# Curriculum Overview

## General Courses and Electives

(CTE courses are detailed in a separate catalog)

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# Bible

## Bible 300

Bible 300 begins a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on Christian living, the lives of Jesus and Joseph, Bible study methods, Bible archaeology, friendship, and Christian service. These areas target five content strands: biblical literature, biblical background, Christian growth, Christian evidences, and friendship (a special topic).

Objectives

- Identify how a Christian lives for God.
- Provide an overview of the life of Jesus.
- Provide an overview of the life of Joseph.
- Explain how a Christian can use the Bible.
- Discuss how God takes care of His children.
- Defend the Bible as the Word of God.
- Understand the nature and role of archaeology as they relate to the Bible.
- Explain the need and role of biblical friendships.
- Discuss how Christians help other people.

Bible 300

**Unit 1: You Can Use the Bible**

**Assignments**

1. Course Overview
2. Why Study the Books of the Bible?
3. Old Testament
4. New Testament
5. Quiz 1
6. Be a Detective
7. Study the Bible
8. Quiz 2
9. Verses of the Bible
10. How to Memorize Verses
11. Quiz 3
12. Time for the BIBLE
13. Quiz 4
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

Bible 300

**Unit 2: The Life of Jesus Christ**

**Assignments**

1. A True Story
2. The Angel Visits Mary and Joseph
3. Jesus is Born
4. Quiz 1
5. Jesus as a Boy
6. Teachers at the Temple
7. Quiz 2
8. Jesus as a Man
9. Jesus Shows Us How to Live
10. Jesus Saves People
11. Quiz 3
12. Jesus is the Son of God
13. Jesus Died on the Cross
14. Jesus Lives Again
15. Quiz 4
16. Special Project*
17. Test
18. Alternate Test*
19. Reference

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Bible 300

## Unit 3: Joseph! What Was God's Plan?

**Assignments**

1. Meet Joseph
2. A Deep, Dark Pit
3. Traders
4. Quiz 1
5. Life in Egypt
6. Prison
7. Still More Dreams
8. Quiz 2
9. A Famine
10. Joseph's Brothers
11. A Plan
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 300

## Unit 4: Living for God

**Assignments**

1. Abraham Loved God
2. Abraham Obeyed God
3. Ellen Learns About Loving and Obeying
4. Quiz 1
5. Paul and Silas in Jail
6. Paul and Silas Praised God
7. David Praised God
8. Quiz 2
9. Israelites Worshipped the Golden Calf
10. Israelites Learn True Worship
11. Jamie Learns About Worship
12. Quiz 3
13. Daniel Served God
14. Loving and Serving God
15. Bill Makes a Choice
16. Quiz 4
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

Bible 300

## Unit 5: God Takes Care of His People

**Assignments**

1. God Cares for You
2. God Showed that He Cares
3. Quiz 1
4. God Guides and Protects You
5. God Protected Three Believers
6. Quiz 2
7. God Blesses You
8. God Blessed a Good Man
9. Quiz 3
10. Special Project*
11. Test
12. Alternate Test*
13. Reference

Bible 300

## Unit 6: The Bible Is the Word of God

**Assignments**

1. The Writers
2. Putting it all Together
3. Quiz 1
4. God's Word is Preserved: Josiah
5. Treasure in the Trash Can
6. Quiz 2
7. God's Word Changes Lives: Nehemiah
8. Project: Rebuilding the Walls
9. Quiz 3
10. God's Word Has Promises: Jesus
11. More Promises
12. Ronnie Finds a Shepherd
13. Quiz 4
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

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Bible 300

## Unit 7: Archaeology and the Bible

**Assignments**

1. Preparing the Hunt
2. Project: Be an Archaeologist
3. The Clue of Old Stories
4. Project: Language*
5. Quiz 1
6. Supporting God's Word
7. Explaining Puzzles
8. Quiz 2
9. Genesis Discoveries
10. Solomon's Riches and New Testament Places
11. Project: Bible Archaeology
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 300

## Unit 8: God Gave Us the Need for Friends

**Assignments**

1. We Need Love
2. God Gave Commandments About Love
3. Quiz 1
4. We Need Friendship
5. Project: Story*
6. Project: Story Ending*
7. Project: Friendship
8. True Friendship
9. Quiz 2
10. Others Need Our Friendship
11. God Commands Us to Love Others
12. Project: Loving Acts
13. Quiz 3
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

Bible 300

## Unit 9: God Wants Man to Help Man

**Assignments**

1. Who am I to Care For?
2. How Should I Treat Others?
3. Quiz 1
4. Why Should I Serve Others?
5. God Loves Others Through Me
6. Quiz 2
7. Who will Care for Me?
8. God will Care for Me
9. Quiz 3
10. Special Project*
11. Test
12. Alternate Test*
13. Reference

Bible 300

## Unit 10: Review

**Assignments**

1. The Word of God
2. The Written Word
3. Writers of the Word
4. Quiz 1
5. Son of God Makes the Word Known
6. Life of Jesus
7. Project: Story of Jesus
8. Death and Resurrection
9. Quiz 2
10. The Children of God
11. Project: Write a Psalm
12. Members of God's Family
13. Quiz 3
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

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# Bible 400

Bible 400 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on the lives of Peter and Paul (also known as Saul), the existence and knowledge of God, Bible study methods, Psalm 23, Old Testament geography, and Christian witnessing. These areas target five content strands: theology, the attributes of God, biblical literature, biblical background, and Christian evidences.

Objectives

- Understand the nature and benefits of the knowledge of God.
- Describe the lives and ministries of the apostles Peter and Paul.
- Learn and memorize the Bible more effectively.
- Explain the design and message of Psalm 23.
- Provide evidences for the existence of God.
- Demonstrate an understanding of Old Testament geography.
- Witness for Christ with more knowledge and effectiveness.

Bible 400

**Unit 1: How Can I Live for God?**

**Assignments**

1. Course Overview
2. How Peter Lived for God: Peter Found Jesus
3. Peter Followed Jesus
4. Project: Dear Hali
5. Project: Book Report*
6. Peter Fished for Men and Fed Sheep
7. Project: Jerusalem Journal
8. Quiz 1
9. How I Can Live for God: God's Family
10. Project: Morse Code*
11. Grow and Be Fruitful
12. Project: Prayers for Others*
13. Quiz 2
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

Bible 400

**Unit 2: God's Knowledge**

**Assignments**

1. Evidence of God's Knowledge: Creation
2. Evidence of God's Knowledge: Love
3. Quiz 1
4. Instruction of God's Knowledge: Bible
5. Instruction of God's Knowledge: Jesus and the Holy Spirit
6. Instruction of God's Knowledge: Prayer
7. Project: Prayer
8. Instruction: Christian Living
9. Quiz 2
10. The Benefits of God's Knowledge: Salvation
11. The Benefits of God's Knowledge: Daily Living
12. Project: Story*
13. Quiz 3
14. Use of God's Knowledge: Desire the Best Knowledge
15. The Use of God's Knowledge: Seek God When You Are Young
16. Quiz 4
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

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Bible 400

## Unit 3: Saul Begins to Live for God

**Assignments**

1. Saul's Background
2. Persecution: In Jerusalem
3. Persecution: Saul Travels to Damascus
4. Quiz 1
5. God Changes Saul's Life
6. Project: Saul
7. Quiz 2
8. God Uses Saul: To Preach
9. Paul Learns
10. Quiz 3
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

Bible 400

## Unit 4: The Bible and Me

**Assignments**

1. Studying the Bible: Reading
2. Project: Bible Reading*
3. Studying the Bible: Learning
4. Project: Commands
5. Studying the Bible: Thinking
6. Quiz 1
7. Memorizing the Bible
8. Quiz 2
9. Living the Bible Way: Obeying Parents
10. Living the Bible Way: Being Friends
11. Project: Proverbs*
12. Living the Bible Way: Gaining Wisdom
13. Living the Bible Way: Telling the Truth
14. Quiz 3
15. Special Project*
16. Test
17. Alternate Test*
18. Reference

Bible 400

## Unit 5: God Cares for Us

**Assignments**

1. David the Shepherd
2. God Cares for David
3. Quiz 1
4. Psalm 23: Jesus Chooses and Leads His Sheep
5. Psalm 23: Jesus Feeds His Sheep
6. Psalm 23: Jesus Guides His Sheep
7. Psalm 23: Jesus Protects His Sheep
8. Psalm 23: Jesus Loves/Welcomes His Sheep
9. Project: My Psalm
10. Quiz 2
11. Daniel the Helper
12. God Cares for Daniel
13. Quiz 3
14. Memory Verse Quiz
15. Special Project*
16. Test
17. Alternate Test*
18. Reference

Bible 400

## Unit 6: How Can I Know God Exists?

**Assignments**

1. God's Plan for People
2. The Jewish Savior
3. Project: Note to Jesus
4. Quiz 1
5. Man's Search for God: Thomas Aquinas
6. Science and The Bible: The Earth
7. Science and The Bible: Your Body
8. Quiz 2
9. Man and Religion
10. God and Man
11. Project: Books of The Bible
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

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Bible 400

## Unit 7: Geography of the Old Testament

**Assignments**

1. Bible Lands
2. Fertile Crescent
3. Surface of the Land
4. Project: Animals in the Bible*
5. Project: Plants in the Bible*
6. Quiz 1
7. Old Testament Men and Bible Lands
8. Famine
9. Products of the Land
10. Abraham's Descendants: Isaac and Jacob
11. Abraham's Descendants: Joseph
12. The Land of Goshen
13. Wilderness and the Promised Land
14. Quiz 2
15. Special Project*
16. Test
17. Alternate Test*
18. Reference

Bible 400

## Unit 8: God-Given Worth

**Assignments**

1. Who Am I?
2. Project: Fable
3. Am I Worthy?
4. Quiz 1
5. God Is My Creator and My Father
6. Wonderfully Taken Care of
7. Wonderfully Adopted
8. Savior, Jesus
9. Quiz 2
10. How Does God Want Me to See Myself?
11. Knowing that God Helps Me
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 400

## UNIT 9: WITNESSING FOR JESUS

**Assignments**

1. A Living Witness
2. Living a New Life
3. Loving Others
4. Project: The Samaritan Shows Love
5. Project: How I Can Show Love*
6. Following Jesus
7. Showing Kindness to All
8. Quiz 1
9. A Telling Witness
10. Reaching People
11. Project: Susie Reaches Out*
12. Knowing Who Jesus Is
13. Following Paul's Example
14. Using Personal Testimony
15. Project: Witnessing Practice
16. Quiz 2
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

Bible 400

## Unit 10: God's Way Is Perfect

**Assignments**

1. Learning God's Way
2. Studying the Bible
3. Memorizing the Bible
4. Examining Science
5. Understanding Geography
6. Quiz 1
7. Living God's Way
8. Walking in the Spirit
9. Trusting in God
10. Quiz 2
11. Loving God's Way
12. Reaching Others
13. Quiz 3
14. Memory Verse Quiz
15. Special Project*
16. Test
17. Alternate Test*
18. Reference

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# Bible 500

Bible 500 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on biographies of faithful people, angels, the presence of God, Bible study methods, the Christian's relationships, and Paul's missionary journeys. These areas target five content strands: theology, the attributes of God, biblical literature, biblical background, and Christian evidences.

Objectives

- Follow the examples of godly Christians.
- Understand the nature and ministry of angels.
- Appreciate the presence of God everywhere and in their lives.
- Distinguish between the different types of literature in the Bible.
- Discuss biblical proofs for what Christians believe.
- Identify key people, places, and events in Paul's missionary journeys.
- Understand the different ways that God is a judge.
- Explain the role of law and authority in God's world.

Bible 500

**Unit 1: How Others Lived For God**

**Assignments**

1. Course Overview
2. Believers in God
3. Abraham, Man of Faith
4. Overview: Abraham
5. Quiz 1
6. Paul, More than a Conqueror
7. Overview: Paul*
8. David, A Man After God's Heart
9. Overview: David
10. John, Apostle of Love
11. Overview: John*
12. Quiz 2
13. Noah and Ruth
14. Overview: Noah and Ruth*
15. Hannah, Jonah, and Peter
16. Overview: Hannah, Jonah, Peter*
17. Great Cloud of Witnesses
18. Quiz 3
19. Special Project*
20. Test
21. Alternate Test*
22. Reference

Bible 500

**Unit 2: Angels**

**Assignments**

1. Angels are Real
2. Kinds of Angels
3. Quiz 1
4. Speaking to God's Children
5. Protecting God's Children
6. Guiding and Caring for God's Children
7. Quiz 2
8. Angels at Jesus' Birth and Early Life
9. Angels During Jesus' Ministry
10. Angels at the End of Jesus' Earthly Ministry
11. Quiz 3
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

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Bible 500

## Unit 3: The Presence of God

**Assignments**

1. God Is Present Everywhere
2. God Is Present Everywhere as a Person
3. Activity: Problem Solving*
4. Quiz 1
5. In the Lives of Adam, Eve, Israel, Joshua, Gideon
6. In the Lives of Hebrews in Babylon, Disciples, Believers
7. In the Lives of David Brainerd and David Livingstone
8. In the Life of Gladys Aylward
9. Activity: Write a Story*
10. Quiz 2
11. In My Life: Communicates and Saves
12. In My Life: Helps and Provides
13. Project: The Main Idea
14. Quiz 3
15. Special Project*
16. Test
17. Alternate Test*
18. Reference

Bible 500

## Unit 4: Bible Methods and Structure

**Assignments**

1. The Bible: One Book
2. The Bible: Many Parts
3. Report: History of the Bible
4. Quiz 1
5. The Old Testament: Books of History
6. Books of Poetry
7. Books of Prophecy/ Intro to New Testament
8. Quiz 2
9. The New Testament: Introduction
10. The Life of Jesus Christ
11. Followers of Jesus
12. Epistles
13. Quiz 3
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

Bible 500

## Unit 5: The Christian in the World

**Assignments**

1. At Home: Hearing and Obeying
2. At Home: Correction
3. Quiz 1
4. At School: Relationships
5. At School: Good Attitudes
6. Activity: The Gossip Game*
7. At School: Good and Bad Attitudes
8. Quiz 2
9. At Work: Relationships
10. At Work: Good Attitudes
11. At Work: Bad Attitudes
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 500

## Unit 6: Proving What We Believe

**Assignments**

1. The Bible Is God's Word: Biblical Evidence
2. Evidence from History
3. Evidence from Human Experience
4. Quiz 1
5. The World Was Created: Physical Science
6. Evidence from Life Science
7. Quiz 2
8. Christ Arose: Prophecy Fulfilled
9. Evidence from Eyewitnesses
10. Evidence from Christian Experience
11. Project: What I Believe
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

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Bible 500

## Unit 7: Paul's Missionary Journeys

**Assignments**

1. Paul's Preparation: Background
2. Relation to Judaism
3. Conversion, Early Training, and Ministry
4. Barnabas
5. Quiz 1
6. Paul's First Missionary Journey
7. Iconium/Lystra/Derbe/Jerusalem Council
8. Paul's Second Missionary Journey
9. Philippi/Berea/Athens/Corinth
10. Report: Disagreements*
11. Quiz 2
12. Paul's Third Missionary Journey
13. Paul's Last Years and Message
14. Quiz 3
15. Special Project*
16. Test
17. Alternate Test*
18. Reference

Bible 500

## Unit 8: God Created Man for Eternity

**Assignments**

1. Preparing for Eternity
2. Project: Eternity
3. Report: Sanhedrin*
4. Growing in Christ
5. Blessings on Earth
6. Quiz 1
7. Christ Is our Judge
8. The Judgment of the Christian
9. Rewards in Heaven
10. Quiz 2
11. The Great White Throne Judgment
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 500

## Unit 9: Authority and Law

**Assignments**

1. God: The Source of All Authority
2. Jesus Is the Model of Obedience
3. The Holy Spirit Is the Guide
4. Quiz 1
5. Authority in the Family
6. Report: Delegated Authority
7. Living Governed by Family Authority
8. Quiz 2
9. Government: Agency of Authority and Law
10. Activity: Life Without Government
11. Types of Government
12. Living with Governmental Law and Authority
13. Quiz 3
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

Bible 500

## Unit 10: Review

**Assignments**

1. The Presence of God
2. Angels
3. Activity: Angel Story*
4. Quiz 1
5. Understanding God's Word: Bible Structure
6. Bible Truth
7. Quiz 2
8. Living for God: Faithfulness
9. Obedience
10. Loving Service
11. Quiz 3
12. Order of God's Authority
13. Areas of Our World
14. Outcome of Our Lives
15. Quiz 4
16. Special Project*
17. Test
18. Alternate Test*
19. Reference

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# Bible 600

Bible 600 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on a brief survey of the Old and New Testaments, with special emphasis upon the key people, places, and events from the book of Genesis to the book of Revelation. These areas target three content strands: theology, biblical literature, and biblical background.

Objectives

- Present an overview of the biblical story from Genesis to Revelation.
- Identify key people, places, and events in the Old and New Testaments.
- Discuss the primary eras in the history of Israel and the Church.
- Appreciate the importance of Israel and the Kingdom in the Old Testament.
- Appreciate the importance of the Church in the New Testament.
- Demonstrate the influence of the Old Testament in the New Testament.
- Explain important themes and teachings throughout the Bible.

Bible 600

**Unit 1: From Creation to Moses**

**Assignments**

1. Course Overview
2. Creation
3. From the First Family to the Flood
4. Quiz 1: Creation to the Flood
5. Alternate Quiz 1—Form A: Creation to the Flood*
6. Alternate Quiz 1—Form B: Creation to the Flood*
7. Abraham and His Descendants
8. Abram, Sarai, and Isaac
9. Descendants of Abraham
10. Joseph
11. Activity: Joseph in Egypt
12. Quiz 2: Abraham to Joseph
13. Alternate Quiz 2—Form A: Abraham to Joseph*
14. Alternate Quiz 2—Form B: Abraham to Joseph*
15. Moses and the Law
16. Activity: Ten Commandments
17. Remaining Books of the Law
18. Quiz 3: Moses
19. Alternate Quiz 3—Form A: Moses*
20. Alternate Quiz 3—Form B: Moses*
21. Review
22. Special Project*
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

Bible 600

**Unit 2: From Joshua to Ruth**

**Assignments**

1. Conquest of the Land
2. Activity: Conquest of Jericho
3. Division of the Land/Death of Joshua
4. Quiz 1: The Promised Land
5. Alternate Quiz 1—Form A: The Promised Land*
6. Alternate Quiz 1—Form B: The Promised Land*
7 Judges: From Othneil to Shamgar
8. Judges: From Deborah to Samson
9. Quiz 2: Judges
10. Alternate Quiz 2—Form A: Judges*
11. Alternate Quiz 2—Form B: Judges*
12. Three Women
13. The Story of Ruth
14. Quiz 3: God's Perfect Plan
15. Alternate Quiz 3—Form A: God's Perfect Plan*
16. Alternate Quiz 3—Form B: God's Perfect Plan*
17. Review
18. Special Project*
19. Test
20. Alternate Test—Form A*
21. Alternate Test—Form B*
22. Glossary and Credits

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Bible 600

## Unit 3: The Kingdom of Israel

**Assignments**

1. The Books and Ministry of Samuel
2. The Reign of Saul
3. Project: Saul Becomes King
4. The Reign of David
5. Quiz 1: Samuel, Saul, and David
6. Alternate Quiz 1—Form A: Samuel, Saul, and David*
7. Alternate Quiz 1—Form B: Samuel, Saul, and David*
8. The Reign of Solomon
9. The Temple
10. Report: Solomon's Rise*
11. Project: Bible Paragraph
12. Quiz 2: Solomon
13. Alternate Quiz 2—Form A: Solomon*
14. Alternate Quiz 2—Form B: Solomon*
15. Job
16. Psalms and Proverbs
17. Ecclesiastes and the Song of Solomon
18. Quiz 3: Wisdom Books
19. Alternate Quiz 3—Form A: Wisdom Books*
20. Alternate Quiz 3—Form B: Wisdom Books*
21. Review
22. Special Project*
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

Bible 600

## Unit 4: The Divided Kingdom

**Assignments**

1. From Division to the Assyrian Captivity
2. From Ahab to Jehu (Part 1)
3. Project: Elijah's Servant
4. From Ahab to Jehu (Part 2)
5. From Jehu to the Assyrian Captivity
6. Quiz 1: Division and Captivity
7. Alternate Quiz 1—Form A: Division and Captivity*
8. Alternate Quiz 1—Form B: Division and Captivity*
9. Before the Assyrian Captivity: Judah
10. Before the Assyrian Captivity: Israel
11. Quiz 2: Judah and Israel
12. Alternate Quiz 2—Form A: Judah and Israel*
13. Alternate Quiz 2—Form B: Judah and Israel*
14. The Remaining Kingdom
15. From Manasseh to Josiah
16. The Prophets of the Remaining Kingdom
17. Quiz 3: The Remaining Kingdom
18. Alternate Quiz 3—Form A: The Remaining Kingdom*
19. Alternate Quiz 3—Form B: The Remaining Kingdom*
20. Review
21. Special Project*
22. Test
23. Alternate Test—Form A*
24. Alternate Test—Form B*
25. Glossary and Credits

Bible 600

## Unit 5: Captivity and Restoration

**Assignments**

1. Jeremiah
2. Ezekiel
3. Daniel
4. Project: Writing on the Wall
5. Quiz 1: Jeremiah to Daniel
6. Alternate Quiz 1—Form A: Jeremiah to Daniel*
7. Alternate Quiz 1—Form B: Jeremiah to Daniel*
8. The First Return from Exile
9. Jews Preservation/Second Return from Exile
10. The Third Return from Exile
11. Quiz 2: Years of Exile
12. Alternate Quiz 2—Form A: Years of Exile*
13. Alternate Quiz 2—Form B: Years of Exile*
14. The Prophets of the Restoration
15. The Old Testament Reviewed
16. The Kingdom of Israel
17. Quiz 3: Restoration
18. Alternate Quiz 3—Form A: Restoration*
19. Alternate Quiz 3—Form B: Restoration*
20. Quiz: Books of the Old Testament
21. Review
22. Special Project*
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

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## Unit 6: The Life of Jesus

**Assignments**

1. History
2. Birth and Childhood
18. The Rich Young Ruler and the Tax Collector
19. Project: Rich Young Ruler*

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3. Quiz 1: The Early Years
4. Alternate Quiz 1—Form A: The Early Years*
5. Alternate Quiz 1—Form B: The Early Years*
6. John the Baptist and Jesus' Baptism
7. Temptation and Ministry
8. Rejection and Healings
9. Teaching and Miracles
10. Project: Salvation*
11. Project: Baptism*
12. Quiz 2: Ministry Beginnings
13. Alternate Quiz 2—Form A: Ministry Beginnings*
14. Alternate Quiz 2—Form B: Ministry Beginnings*
15. Rejection and Feeding Five Thousand
16. The Transfiguration and the Good Samaritan
17. The Lost Sheep and the Prodigal Son
20. Essay: Zacchaeus
21. Quiz 3: Parables of Jesus
22. Alternate Quiz 3—Form A: Parables of Jesus*
23. Alternate Quiz 3—Form B: Parables of Jesus*
24. Triumphal Entry and Agony in the Garden
25. Arrest, Trial, Death, and Resurrection
26. Quiz 4: He Lives
27. Alternate Quiz 4—Form A: He Lives*
28. Alternate Quiz 4—Form B: He Lives*
29. Review
30. Special Project*
31. Test
32. Alternate Test—Form A*
33. Alternate Test—Form B*
34. Glossary and Credits

Bible 600

## Unit 7: The Followers of Jesus

**Assignments**

1. Twelve Disciples: Peter
2. Project: Walking on Water
3. Twelve Disciples: James and John
4. Twelve Disciples: The Other Nine
5. Quiz 1: The Disciples
6. Alternate Quiz 1—Form A: The Disciples*
7. Alternate Quiz 1—Form B: The Disciples*
8. Three Friends
9. Four Miracles
10. One Message
11. Quiz 2: The Message
12. Alternate Quiz 2—Form A: The Message*
13. Alternate Quiz 2—Form B: The Message*
14. Pentecost
15. The Lame Man
16. Stephen
17. Quiz 3: The Early Church
18. Alternate Quiz 2—Form A: The Early Church*
19. Alternate Quiz 2—Form B: The Early Church*
20. Review
21. Special Project*
22. Test
23. Alternate Test—Form A*
24. Alternate Test—Form B*
25. Glossary and Credits

Bible 600

## Unit 8: The Apostle Paul

**Assignments**

1. Paul's Conversion
2. Zeal and Experience
3. Project: Road to Damascus*
4. Quiz 1: Paul
5. Alternate Quiz 1—Form A: Paul*
6. Alternate Quiz 1—Form B: Paul*
7 First Missionary Journey
8. Essay: Paul's Attitude*
9. Second Missionary Journey
10. Third Missionary Journey
11. Essay: Preparation*
12. Quiz 2: God's Missionary
13. Alternate Quiz 2—Form A: God's Missionary*
14. Alternate Quiz 2—Form B: God's Missionary*
15. Thessalonians and Corinthians
16. Galatians, Romans, and other Pauline Letters
17. Essay: Christianity at Home
18. Quiz 3: Letters
19. Alternate Quiz 3—Form A: Letters*
20. Alternate Quiz 3—Form B: Letters*
21. Review
22. Special Project*
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

Bible 600

## Unit 9: Hebrews and General Epistles

**Assignments**

1. Hebrews
2. Faith
3. Quiz 1: Hebrews
4. Alternate Quiz 1—Form A: Hebrews*
5. Alternate Quiz 1—Form B: Hebrews*
6. General Epistles: James
7 First and Second Peter
12. First John
13. Second and Third John, and Jude
14. Essay: Diotrephes
15. Quiz 3: Letters of John
16. Alternate Quiz 3—Form A: Letters of John*
17. Alternate Quiz 3—Form B: Letters of John*
18. Review

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| | | |
|---|---|---|
| | 8. Essay: Spiritual Growth | 19. Special Project* |
| | 9. Quiz 2: Letters of James and Peter | 20. Test |
| | 10. Alternate Quiz 2—Form A: Letters of James and Peter* | 21. Alternate Test—Form A* |
| | | 22. Alternate Test—Form B* |
| | 11. Alternate Quiz 2—Form B: Letters of James and Peter* | 23. Glossary and Credits |

| Bible 600 | | |
|---|---|---|
| | **Unit 10: Revelation and Review** | |
| | **Assignments** | |
| | 1. Revelation | 14. Followers of Jesus |
| | 2. The Seven Churches and End Time Events | 15. Essay: Nicodemus |
| | 3. Project: Time with John | 16. Apostle Paul |
| | 4. Quiz 1: Revelation | 17. Quiz 3: Jesus and Paul |
| | 5. Alternate Quiz 1—Form A: Revelation* | 18. Alternate Quiz 3—Form A: Jesus and Paul* |
| | 6. Alternate Quiz 1—Form B: Revelation* | 19. Alternate Quiz 3—Form B: Jesus and Paul* |
| | 7 Creation to Moses | 20. Books of the New Testament Quiz |
| | 8. Joshua, Samuel, and the Kingdom of Israel | 21. Review |
| | 9. Divided Kingdom, Captivity, and Restoration | 22. Special Project* |
| | 10. Quiz 2: Creation to Restoration | 23. Test |
| | 11. Alternate Quiz 2—Form A: Creation to Restoration* | 24. Alternate Test—Form A* |
| | 12. Alternate Quiz 2—Form B: Creation to Restoration* | 25. Alternate Test—Form B* |
| | 13. Life of Jesus | 26. Glossary and Credits |

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# Bible 700

Bible 700 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on worship, mankind, the attributes of God, prophecies about Christ, the living of balanced lives, and the book of Psalms. Special emphasis is given to the life of Christ from His pre-existence and birth to His resurrection and ascension. These areas target five content strands: theology, the attributes of God, biblical literature, Christian growth, and the life of Christ (a special topic).

Objectives

- Understand the design and practice of Christian worship.
- Describe the nature and purpose of humanity.
- Explain some of the moral attributes of God.
- Follow the biblical presentation of Jesus as the Messiah.
- Identify the characteristics of a balanced Christian life.
- Demonstrate an understanding of the history and design of the book of Psalms.
- Present the primary events in the life of Christ.

Bible 700

**Unit 1: Worship**

**Assignments**

1. Course Overview
2. The Meaning of Worship
3. The Object of Worship
4. The Reasons for Worship
5. Quiz 1
6. Worship in Old Testament Times
7. Essay: Feasts Fulfilled in Christ
8. Worship in New Testament Times
9. Quiz 2
10. Hypocritical Worship
11. Sacrilegious vs True Worship
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 700

**Unit 2: Mankind**

**Assignments**

1. Creation of Mankind
2. The Original Nature of Mankind
3. Quiz 1
4. The Fall of Mankind
5. Quiz 2
6. The Method of Salvation
7. The Result of Salvation
8. Quiz 3
9. The Mission of Mankind
10. Quiz 4
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

Bible 700

**Unit 3: Attributes of God**

**Assignments**

1. Love
2. Quiz 1
3. Mercy: Divine Choice
4. Mercy: Divine Provision
5. Quiz 2
6. Grace
7. Quiz 3
8. Special Project*
9. Test
10. Alternate Test*
11. Reference

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Bible 700

## Unit 4: Christian Evidences

**Assignments**

1. The Method of the First Advent
2. The Purpose of the First Advent
3. Quiz 1
4. The Offices of the Messiah Foretold
5. Offices of the Messiah Fulfilled
6. Essay: Prophecy
7. Quiz 2
8. Special Project*
9. Test
10. Alternate Test*
11. Reference

Bible 700

## Unit 5: New Life in Christ

**Assignments**

1. Life Before and After Christ
2. Christ Brings New Life
3. Quiz 1
4. Growing in Christ: God's Desire
5. Obstacles to Growth
6. Quiz 2
7. Life in the Spirit: Transformation
8. The Life of Grace
9. Project: The Fruit of the Spirit
10. Quiz 3
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

Bible 700

## Unit 6: The Psalms

**Assignments**

1. The Psalms
2. The History of the Psalms
3. The Types of Psalms
4. The Use of the Psalms
5. Quiz 1
6. Hebrew Poetry: Variations
7. Forms of Hebrew Poetry
8. Patterns of Hebrew Poetry
9. Quiz 2 (bib07u062q.xml)
10. Psalm 100: Background
11. Poetry of Psalm 100
12. Meaning of Psalm 100
13. Quiz 3
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

Bible 700

## Unit 7: Life of Christ - Part 1

**Assignments**

1. The Pre-existence of Christ
2. The Birth of Christ
3. The Youth of Christ
4. Quiz 1
5. The Baptism of Jesus
6. The Temptations of Jesus
7. The Disciples of Christ
8. Quiz 2
9. Jesus' Cleansing of the Temple
10. Jesus' Conversation with Nicodemus
11. Jesus and the Woman at the Well
12. Quiz 3
13. Early Galilean Ministry: Miracles
14. Early Galilean Ministry: Controversies
15. Early Galilean Ministry: Sermons
16. Quiz 4
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

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## Unit 8: Life of Christ - Part 2

**Assignments**

1. Public Ministry in Galilee: Miracles
2. Miracles II
3. Parables
4. Quiz 1
5. Private Ministry in Galilee
6. The Lord's Provision
7. The Transfiguration
8. Quiz 2
9. Public Ministry in Judea and Perea
10. Project: Opposition to Faith
11. Perean Ministry
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 700

## Unit 9: Life of Christ - Part 3

**Assignments**

1. Jesus' Final Ministry in Jerusalem
2. Jesus' Private Ministry in Jerusalem
3. The Last Supper
4. Quiz 1
5. Jesus' Sufferings and Crucifixion
6. Trials: Sanhedrin, Pilate, Herod
7. Crucifixion, Death, and Burial
8. Quiz 2
9. Jesus' Resurrection and Ascension
10. The Appearances
11. The Ascension
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 700

## Unit 10: God's Plan in Christ

**Assignments**

1. God and His Attributes
2. The Plan of God
3. Quiz 1
4. Man's History: Life Before Christ
5. Human Life After the Fall
6. Human Life After Christ
7. Quiz 2
8. Jesus Christ Fulfills God's Plan
9. The Life of Christ: His Birth
10. Unique in His Ministry
11. Unique in His Death and Resurrection
12. Quiz 3
13. Man's Response to God
14. Maturing in the Lord
15. Quiz 4
16. Memory Verse Quiz (All Units)
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

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# Bible 800

Bible 800 provides a developmental and in-depth academic study of the teachings of the Old and New Testaments. It focuses on prayer, salvation, the attributes of God, the book of Proverbs, and interpersonal relationships. Special emphasis is given to a survey of Church history from the early Church through the Reformation. These areas target five content strands: theology, the attributes of God, biblical literature, Christian growth, and Church history (a special topic).

Objectives

- Understand the nature and use of prayer.
- Explain the relationship of sin and salvation in the Gospel message.
- Describe various attributes that belong to God.
- Identify key people, places, and events in Church history.
- Describe the deterioration of the Church in the Middle Ages.
- Pursue biblical truths in the development of relationships.
- Explain the relationship between parents and children.

Bible 800

**Unit 1: Prayer**

**Assignments**

1. Course Overview
2. Christ's Model Prayer
3. The Lord's Prayer: Invocation; First to Fourth Petitions
4. The Lord's Prayer: Fifth Petition to Conclusion
5. The Purpose of Christ's Model Prayer; Benefits of Prayer
6. Quiz 1
7. The Early History of Prayer
8. A Prayerful Response: From Faith to Confession
9. A Prayerful Response: From Adoration to Surrender
10. The Request in Prayer
11. Unanswered Requests; Effectiveness in Prayer
12. Quiz 2
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 800

**Unit 2: Sin and Salvation**

**Assignments**

1. The Nature of Sin
2. The Universality of Sin
3. Quiz 1
4. The Nature of Salvation
5. The Process of Salvation
6. Quiz 2
7. The Results of Salvation: Forgiveness
8. The Results of Salvation: Growth in Grace
9. Assurance of Salvation
10. Quiz 3
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

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Bible 800

## Unit 3: Attributes of God

**Assignments**

1. Justice as God's Nature
2. Justice: An Expression of God
3. Quiz 1
4. Immutability: Divine Perfection
5. Immutability: A Solid Foundation
6. Quiz 2
7. God's Eternality
8. God's Eternality in the Bible
9. Quiz 3
10. Love: A Godly Characteristic
11. Love: A Christian Virtue
12. Quiz 4
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Bible 800

## Unit 4: Early Church Leaders

**Assignments**

1. The Age of the Apostles
2. The Age of the Church Fathers
3. The Age of the Apologists
4. The Age of the Theologians
5. Quiz 1
6. The Spread of the Roman Church
7. Division and Renaissance
8. Quiz 2
9. Men of the Reformation
10. Places of the Reformation
11. Quiz 3
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

Bible 800

## Unit 5: Early Church History

**Assignments**

1. The Roman Setting (1)
2. The Roman Setting (2)
3. Jewish Background (1)
4. Jewish Background (2)
5. Report: Religious Leaders
6. Quiz 1
7. Christianity's Beginnings: Ministry of Jesus
8. The Pentecost Experience
9. The Church at Jerusalem
10. The Beginning of Opposition
11. The Martyrdom of Stephen
12. The Period of Transition
13. Two Important Conversions
14. New Churches
15. Quiz 2
16. Memory Verse Quiz (Units 1-5)
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

Bible 800

## Unit 6: The Early Churches

**Assignments**

1. The Early Missionary Journeys
2. The First Missionary Journey
3. Jerusalem Conference
4. The Second Missionary Journey
5. Quiz 1
6. The Third Missionary Journey
7. Final Journey to Jerusalem
8. Quiz 2
9. The Ephesian Church
10. The Cretan Church
11. Persecuted Churches
12. Apostate Churches
13. Churches United in Christ
14. Report: The Early Church
15. Quiz 3
16. Special Project*
17. Test
18. Alternate Test*
19. Reference

Bible 800

## Unit 7: The Book of Proverbs

**Assignments**

1. The Literary Design of Proverbs
2. Parallelism in Proverbs
9. The Themes of Proverbs
10. Repetitions in Proverbs

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| | | |
|---|---|---|
| | 3. The Outline of Proverbs | 11. Studying Themes in Proverbs |
| | 4. Purposes of Proverbs | 12. Quiz 3 |
| | 5. Quiz 1 | 13. Special Project* |
| | 6. The New Testament and Proverbs | 14. Test |
| | 7. Proverbs in Two Epistles | 15. Alternate Test* |
| | 8. Quiz 2 | 16. Reference |

| Bible 800 | **Unit 8: Choices** | |
|---|---|---|
| | **Assignments** | |
| | 1. Personal Choices: Knowing What To Do | 9. Finding God's Will |
| | 2. Dealing With Guilt | 10. Getting Things Done |
| | 3. Knowing about Illegal Drugs | 11. Quiz 3 |
| | 4. Quiz 1 | 12. Special Project* |
| | 5. Developing Friendships | 13. Test |
| | 6. Studying Effectively | 14. Alternate Test* |
| | 7. Studying Honestly | 15. Reference |
| | 8. Quiz 2 | |

| Bible 800 | **Unit 9: Understanding the Family** | |
|---|---|---|
| | **Assignments** | |
| | 1. Understanding Parents | 9. Quiz 2 |
| | 2. Human Parents | 10. Your Parents' Life |
| | 3. Some Biblical Parents | 11. Your Parents' Role |
| | 4. Your Heavenly Father | 12. Quiz 3 |
| | 5. Quiz 1 | 13. Special Project* |
| | 6. What Makes a Parent | 14. Test |
| | 7. What Your Parents Do For You | 15. Alternate Test* |
| | 8. What You Should Do For Your Parents | 16. Reference |

| Bible 800 | **Unit 10: Review** | |
|---|---|---|
| | **Assignments** | |
| | 1. Prayer | 11. Understanding Proverbs |
| | 2. Salvation | 12. Making Good Choices |
| | 3. Attributes of God | 13. Understanding Parents |
| | 4. Quiz 1 | 14. Quiz 3 |
| | 5. Early Church History | 15. Memory Verse Quiz (Units 1-10) |
| | 6. Early Church Experience | 16. Special Project* |
| | 7. Early Leaders of the Church | 17. Test |
| | 8. Leaders from Middle Ages to Reformation | 18. Alternate Test* |
| | 9. Report: Reformation Leader | 19. Reference |
| | 10. Quiz 2 | |

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# New Testament Survey I

New Testament Survey A is the first of a two-part course. This first course in the sequence focuses attention on the study of the Gospels. The course also attends to various background issues, such as where the New Testament came from, how it was written, and how the particular texts that make up the New Testament were selected. The course does not require or promote any particular theological or denominational ideology, but instead encourages students to become good and interested readers of the New Testament.

Upon In this course, students will examine:

- The background of the New Testament
- The Old Testament story that the New Testament continues
- The canonization, transmission, and translation of the New Testament
- The Gospels (Matthew, Mark, Luke, and John) through careful reading

Upon successfully completing the course, students will be able to:

- Identify the four Gospels
- Describe the differences between the Gospels, especially concerning content and major themes
- Identify major covenants from the Old Testament and how they are fulfilled in the New Testament
- Explain how the New Testament documents were written, collected, and preserved
- Engage in questions of faith that are raised by the life and teachings of Jesus

New Testament Survey I

**Unit 1: Background of the New Testament**

**Assignments**

1. Reviewing the Old Testament
2. Major Covenants of the Old Testament
3. The Fulfillment of the Old Testament Covenants
4. Quiz 1
5. Alternate Quiz 2
6. Intertestamental Period Part 1: The Persian and Greek Period
7. Intertestamental Period Part 2: The Maccabean Revolt and the Rise of Rome
8. The Literature of the Intertestamental Period
9. Quiz 2
10. Alternate Quiz 2
11. Overview of the New Testament
12. Composition of the New Testament
13. New Testament Canon and Translation
14. Quiz 3
15. Alternate Quiz 3
16. Unit 1 Test
17. Unit 1 Alternate Test

New Testament Survey I

**Unit 2: Introduction to the Gospels, and the Gospel According to Mark**

**Assignments**

1. What Is a Gospel? The Question of Genre
2. Meet the Author: The Gospel According to Mark
3. The Audience, Purpose, and Major Themes of Mark's Gospel
4. Quiz 1
5. Alternate Quiz 1
6. Mark Chapters 1–3: The Beginnings
7. Mark 4–5: The Early Ministry
8. Healings, Miracles, and the End of the First Half of the Gospel
9. Quiz 2
10. Alternate Quiz 2
11. On the Way to Jerusalem
12. Jesus in Jerusalem: Mark 11–14
13. The Death and Resurrection of Jesus: Mark 15–16
14. Quiz 3
15. Alternate Quiz 3
16. Test 2
17. Alternate Test 2

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New Testament Survey I

## Unit 3: The Gospel According to Matthew

**Assignments**

1. The Gospel of Matthew: Author and Background
2. The Birth of Jesus According to Matthew
3. Jewish Religious Groups: Pharisees, Sadducees, and Beyond
4. Quiz 1
5. Alternate Quiz 1
6. The Teachings of Jesus: The Sermon on the Mount (Part 1)
7. The Teachings of Jesus: The Sermon on the Mount (Part 2)
8. The Teachings of Jesus: The Parables Unique to Matthew (Part 1)
9. Quiz 2
10. Alternate Quiz 2
11. The Teachings of Jesus: The Parables Unique to Matthew (Part 2)
12. The Death of Jesus According to Matthew
13. The Resurrection of Jesus
14. Quiz 3
15. Alternate Quiz 3
16. Test 3
17. Alternate Test 3

New Testament Survey I

## Unit 4: The Gospel According to Luke

**Assignments**

1. The Gospel According to Luke: Author, Background, and Major Themes
2. The Birth of Jesus According to Luke
3. The Beginnings of Jesus' Ministry
4. Quiz 1
5. Alternate Quiz 1
6. Luke's Unique Parables Part 1
7. Luke's Unique Parables Part 2
8. Stories of Outsiders
9. Quiz 11
11. Alternate Quiz 11
12. The Last Supper, Arrest, and Trial of Jesus
13. The Crucifixion of Jesus in Luke
14. Post-Resurrection Stories in Luke
15. Quiz 3
16. Alternate Quiz 3
17. Test 4
18. Alternate Test 4

New Testament Survey I

## Unit 5: The Gospel According to John

**Assignments**

1. The Gospel According to John: Author, Background, and Major Theme
2. The Prologue of John
3. A Different Kind of Gospel
4. Quiz 1
5. Alternate Quiz 1
6. The Structure of the Fourth Gospel
7. New Characters and New Stories
8. The I Am Sayings
9. Quiz 2
11. Alternate Quiz 2
12. The Final Week of Jesus and John's Unique Stories
13. The Trial and Crucifixion According to John
14. The Resurrection and Post-Resurrection Stories
15. Quiz 3
16. Alternate Quiz 3
17. Test 5
18. Alternate Test 5

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# New Testament Survey II

New Testament Survey A is the second of a two-part course. The first course focused attention on the Gospels. This course attends to the remainder of the New Testament, including the Acts of the Apostles, the Letters of Paul, the General Epistles, and Revelation. The course does not require or promote any particular theological or denominational ideology, but instead encourages students to become good and interested readers of the New Testament.

In this course, students will examine:

- The rise of the early Church through in the book of Acts
- The role of Paul in forming and shaping the Christian movement
- Controversies that arose in the early Church and how those controversies were addressed by the leaders of the Church and the letters they wrote.
- The genre and important of Revelation as apocalyptic literature

Upon successfully completing the course, students will be able to:

- Tell the story of the rise of the early Church, including significant characters, events, and controversies
- Identify the 13 letters of Paul
- Identify the major content and purpose of each of Paul's letters
- Identify the major content and purpose of each of the General Epistles
- Describe the genre of "apocalyptic"
- Engage in questions that arise in one's personal faith while using the New Testament as a guide in answering those questions

New Testament Survey II

**Unit 1: The Acts of the Apostles**

**Assignments**

1. Theme #1: The Expansion of the Gospel
2. Theme #2: The Power of the Holy Spirit
3. Quiz 1
4. Alternate Quiz 1
5. The Expanding Gospel: Stephen and Philip
6. The Expanding Gospel: Meet Paul
7. Theme #3: The Gentile Question
8. Quiz 1: Glorious Christ and His People*
9. Quiz 2
10. Alternate Quiz 2
11. Paul's Missionary Journeys
12. Greek Religion and Philosophy
13. Paul on Trial
14. Quiz 3
15. Alternate Quiz 3
16. Test 1
17. Alternate Test 1

New Testament Survey II

**Unit 2: The Letters of Paul, Part 1**

**Assignments**

1. Paul the Letter Writer
2. The First Letter of Paul to the Thessalonians
3. The Second Letter of Paul to the Thessalonians
4. Quiz 1
5. Alternate Quiz 1
6. The Letter of Paul to the Galatians: Background and Content, Part 1
7. The Letter of Paul to the Galatians: Background and Content, Part 2
8. The First Letter of Paul to the Corinthians, Part 1
9. Quiz 2
10. Alternate Quiz 2
11. The First Letter of Paul to the Corinthians, Part 2
12. The First Letter of Paul to the Corinthians, Part 3
13. The Second Letter of Paul to the Corinthians: Background and Content
14. Quiz 3
15. Alternate Quiz 3
16. Test 2
17. Alternate Test 2

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New Testament Survey II

## Unit 3: The Letters of Paul, Part 2

**Assignments**

1. The Letter of Paul to the Church at Rome: Background and Content
2. The Letter of Paul to the Church at Rome: Part 2
3. The Letter of Paul to the Church at Rome: Part 3
4. Quiz 1
5. Alternate Quiz 1
6. Project: The Roman Road to Salvation
7. The Letter of Paul to Philemon
8. The Letter of Paul to the Philippians
9. The Letter of Paul to the Colossians
10. Quiz 2
11. Alternate Quiz 2
12. The Letter of Paul to the Ephesians: Part 1
13. The Letter of Paul to the Ephesians: Part 2
14. The Pastoral Epistles
15. Quiz 3
16. Alternate Quiz 3
17. Test 3
18. Alternate Test 3

New Testament Survey II

## Unit 4: The General Epistles

**Assignments**

1. Introduction to the General Epistles
2. The Letter to the Hebrews, Part 1
3. The Letter to the Hebrews, Part 2
4. Quiz 1
5. Alternate Quiz 1
6. The Letter of James, Part 1
7. The Letter of James, Part 2
8. The First Letter of John
9. Quiz 2
10. Alternate Quiz 2
11. The Second and Third Letters of John
12. The First Letter of Peter
13. The Second Letter of Peter, and the Letter of Jude
14. Quiz 3
15. Alternate Quiz 3
16. Test 4
17. Alternate Test 4

New Testament Survey II

## Unit 5: Revelation

**Assignments**

1. Introduction to Revelation
2. Introduction to Apocalyptic Literature
3. The Letters to the Churches
4. Quiz 1
5. Alternate Quiz 1
6. Seals and Trumpets
7. The Vision Continues
8. The Victorious Christ
9. Quiz 2
10. Alternate Quiz 2
11. Test 5
12. Alternate Test 5

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# Old Testament Survey I

Old Testament Survey A introduces students to the first eight books of the Bible. The course begins with God's creation of the world in Genesis 1 and ends with the story of Ruth during the time of the Israelite judges. As students survey these books of the Old Testament, they will gain an understanding of the "big picture" of Scripture and will see how these stories of God's faithfulness in the past relate to their lives in the present. Thus, the goal of this course is two-fold—(1) to know the Word of God better in order (2) to know the God of the Word better.

In this course, students will study the following portions of the Old Testament:

- The Creation to Abraham
- The Patriarchs
- The Exodus
- The Law and the Wilderness
- Conquest and Judges

Upon completion of the course, students should be able to:

- Summarize the "big picture" of the Old Testament.
- Develop the skill of interpreting the Bible.
- Reflect on the Old Testament's relevance to their own spiritual lives.
- Learn about the character of God through Old Testament stories.
- Recognize the sinfulness of humanity and the grace of God.
- Identify what God wants for his people.
- Understand how the Old Testament points forward to Jesus Christ.

Old Testament Survey I

**Unit 1: Creation to Abraham**

**Assignments**

1. Overview of the Old Testament
2. The Creation of the World
3. The Creation of Humanity
4. Quiz 1
5. Alternate Quiz 1
6. The Fall of Man
7. Cain and Abel
8. Quiz 2
9. Alternate Quiz 2
10. Noah and the Flood
11. The Tower of Babel
12. Quiz 3
13. Alternate Quiz 3
14. Test
15. Alternate Test

Old Testament Survey I

**Unit 2: The Patriarchs**

**Assignments**

1. Abraham Called by God
2. Abraham Justified by Faith
3. Quiz 1
4. Alternate Quiz 1
5. The Birth of Ishmael
6. The Birth of Isaac
7. The Offering of Isaac
8. Quiz 2
9. Alternate Quiz 2
10. Jacob and Esau
11. Joseph the Slave
12. Joseph the Ruler
13. Quiz 3
14. Alternate Quiz 3
15. Test
16. Alternate Test

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Old Testament Survey I

## Unit 3: The Exodus

**Assignments**

1. Israel in Slavery
2. Moses in Egypt
3. Quiz 1
4. Alternate Quiz 1
5. Moses in Midian
6. God's Judgment on Egypt
7. Quiz 2
10. Alternate Quiz 2
11. The Passover
12. The Flight from Egypt
13. Quiz 3
14. Alternate Quiz 3
15. Test
16. Alternate Test

Old Testament Survey I

## Unit 4: The Law and the Wilderness

**Assignments**

1. The Lord Provides for Israel
2. The Ten Commandments
3. The Golden Calf
4. Quiz 1
5. Alternate Quiz 1
6. Leviticus
7. Quiz 2
8. Alternate Quiz 2
9. From Sinai to Canaan
10. The Bronze Serpent
11. Deuteronomy
12. Quiz 3
13. Alternate Quiz 3
14. Test
15. Alternate Test

Old Testament Survey I

## Unit 5: Conquest and Judges

**Assignments**

1. The Calling of Joshua
2. Rahab and the Spies
3. Miracles at the Jordan and Jericho
4. Quiz 1
5. Alternate Quiz 1
6. Israel's Victories and Failures in Canaan
7. The Period of the Judges
8. Quiz 2
9. Alternate Quiz 2
10. The Story of Gideon
11. The Story of Samson
12. Ruth
13. Quiz 3
14. Alternate Quiz 3
15. Test
16. Alternate Test

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# Old Testament Survey II

Testament Survey B examines biblical history from the establishment of a monarchy in Israel to the Jewish people's return to their homeland after decades of exile. As students survey these books of the Old Testament, they will continue to learn about the "big picture" of Scripture and how these stories of humanity's unfaithfulness and God's faithfulness relate to their own lives. Thus, the goal of this course is two-fold—(1) to know the Word of God better in order (2) to know the God of the Word better.

In this course, students will study the following portions of the Old Testament:

- The Monarchy of Saul
- The Monarchies of David and Solomon
- Poetry and Wisdom
- The Divided Kingdom
- Exile and Restoration

Upon completion of the course, students should be able to:

- Summarize the "big picture" of the Old Testament.
- Develop the skill of interpreting the Bible.
- Reflect on the Old Testament's relevance to their own spiritual lives.
- Learn about the character of God through Old Testament stories.
- Recognize the sinfulness of humanity and the grace of God.
- Identify what God wants for his people.
- Understand how the Old Testament points forward to Jesus Christ.

Old Testament Survey II

**Unit 1: The Monarchy of Saul**

**Assignments**

1. Samuel the Prophet
2. Saul Chosen as King
3. Quiz 1
4. Alternate Quiz 1
5. Saul Rejected by God
6. David Chosen by God
7. David and Goliath
8. Quiz 2
9. Alternate Quiz 2
10. Saul Pursues David
11. David Spares Saul
12. The Final Days of Saul
13. Quiz 3
14. Alternate Quiz 3
15. Test
16. Alternate Test

Old Testament Survey II

**Unit 2: The Monarchies of David and Solomon**

**Assignments**

1. The Reign of David
2. The Davidic Covenant
3. Quiz 1
4. Alternate Quiz 1
5. David and Bathsheba
6. A Family at War
7. Quiz 2
8. Alternate Quiz 2
9. The Wisdom of Solomon
10. The Folly of Solomon
11. Quiz 3
12. Alternate Quiz 3
13. Test
14. Alternate Test

Old Testament Survey II

**Unit 3: Poetry and Wisdom**

**Assignments**

1. Job I
2. Job II
3. Psalms I
4. Psalms II
5. Project: Psalms
6. Quiz 1
7. Alternate Quiz 1
8. Proverbs
9. Ecclesiastes
10. Song of Songs I
11. Song of Songs II
12. Quiz 2
13. Alternate Quiz 2
14. Test
15. Alternate Test

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Old Testament Survey II

## Unit 4: The Divided Kingdom

**Assignments**

1. A Nation Splits
2. The Ministry of Elijah
3. Quiz 1
4. Alternate Quiz 1
5. Amos and Hosea
6. Jonah
7. Quiz 2
8. Alternate Quiz 2
9. The History of Judah
10. Prophets in the South
11. Isaiah
12. Jeremiah and the Fall of Jerusalem
13. Quiz 3
14. Alternate Quiz 3
15. Test
16. Alternate Test

Old Testament Survey II

## Unit 5: Exile and Restoration

**Assignments**

1. Ezekiel and Exile
2. Daniel
3. Esther
4. Quiz 1
5. Alternate Quiz 1
6. Ezra
7. Nehemiah
8. Quiz 2
11. Alternate Quiz 2
12. An Unfinished Story
13. Great Expectations
14. Quiz 3
15. Alternate Quiz 3
16. Test
17. Alternate Test

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# Christian Theology

Theology introduces students to the study of theology and the major topics addressed in systematic theology: Revelation, theology proper (the doctrine of God), Christology, pneumatology, soteriology, ecclesiology, and eschatology. The course will, one, provide students with a sound theological foundation within the Protestant, evangelical tradition without promoting a particular stream within that tradition, and, two, under the presupposition that good theology is practical theology, help students apply theological truths to everyday experience.

In this course, students will examine:

- God's Revelation
- God's Identity
- God's Engagement
- God's Provision
- God's Victory

Upon successfully completing the course, students will be able to:

- Identify the major topics encountered in the study of systematic theology.
- Engage in conversations about God's trinitarian identity and God's multi-faceted work in creation among humans.
- Acquire insight into God's work in their lives – past, present, and future.
- Encounter the three persons of the Trinity, intellectually and personally.
- Develop the ability to evaluate truth claims through a Christian worldview lens.
- Engage in thoughtful theological reflection, using biblical data and reliable secondary sources.
- Establish a firm foundation for life-long learning.

Christian Theology

**Unit 1: God's Revelation**

**Assignments**

1. The Study of Theology Part 1
2. The Study of Theology Part 2
3. The Purpose of Theology
4. Quiz 1
5. Alternate Quiz 1
6. The Ground of Theology
7. The Sources of Theology
8. The Method of Theology
9. Quiz 2
10. Alternate Quiz 2
11. Test
12. Alternate Test

Christian Theology

**Unit 2: God's Identity**

**Assignments**

1. The Existence of God
2. The Person of God
3. The Triune Nature of God
4. Quiz 1
5. Alternate Quiz 1
6. The Work of God in Creation
7. The Worship of God
8. Quiz 2
9. Alternate Quiz 2
10. Test
11. Alternate Test
12. The Worship of God

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Christian Theology

## Unit 3: God's Engagement

**Assignments**

1. The Person of the Son
2. The Incarnation of the Son
3. The Work of the Son
4. Quiz 1
5. Alternate Quiz 1
6. The Crucifixion and Resurrection of the Son
7. The Ascension and Session of the Son
8. The Person of the Holy Spirit
9. Quiz 2
10. Alternate Quiz 2
11. The Work of the Holy Spirit
12. The Gifts of the Holy Spirit
13. Quiz 3
14. Alternate Quiz 3
15. Test
16. Alternate Test

Christian Theology

## Unit 4: God's Provision

**Assignments**

1. The Origin of Humans
2. The Constitutional Nature of Humans
3. The Sinfulness of Humans
4. Quiz 1
5. Alternate Quiz 1
6. The Salvation of Humans
7. The Establishment of the Church
8. The Mission of the Church
9. Quiz 2
10. Alternate Quiz 2
11. The Governance of the Church
12. The Worship of the Church
13. The Sacraments/Ordinances of the Church
14. Quiz 3
15. Alternate Quiz 3
16. Test

Christian Theology

## Unit 5: God's Victory

**Assignments**

1. The Intermediate State
2. The Second Coming of Jesus
3. The General Resurrection
4. Quiz 1
5. Alternate Quiz 1
6. The Final Judgment
7. The Millennium
9. The New Heaven and the New Earth
10. Quiz 2
11. Alternate Quiz 2
12. Project: Practicing Theological Reflection
13. Test
14. Alternate Test

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# Christian Faith and Living Today

Christian Faith and Living is a practical course about how to live as a Christian in our world. The course will provide students with the skills needed to study and interpret scripture, pray, relate to the body of Christ, interact with the world, and evaluate the influences they encounter.

In this course, students will examine:

- Their Identity in Christ
- Spiritual Disciplines
- Christian Citizenship
- Overcoming Obstacles to Faith
- Spiritual Maturity

Upon successfully completing the course, students will be able to:

- Explain what a Christian is and what a Christian does.
- Practice disciplines that will help them to grow in their faith.
- Relate as a Christian to other people in their home, community, and workplace.
- Deal with obstacles to their faith.
- Develop strategies for a lifelong commitment to discipleship.

Christian Faith and Living Today

**Unit 1: Who Am I?**

**Assignments**

1. What is a Christian?
2. Saved by Jesus Christ
3. Jesus Christ is My Lord
4. Quiz 1
5. Alternate Quiz 1
6. Created to Be Human
7. Created for a Purpose
8. Loved by God
9. Quiz 2
10. Alternate Quiz 2
11. Reflection
12. Test

Christian Faith and Living Today

**Unit 2: Spiritual Discipline**

**Assignments**

1. Bible Study Part One
2. Bible Study Part Two
3. Prayer
4. Project: Daily Quiet Time
5. Quiz 1
6. Alternate Quiz 1
7. Worship
11. Tithing
12. Confession
13. Fasting
14. Quiz 2
    Alternate Quiz 2
15. Test

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Christian Faith and Living Today

## Unit 3: The Christian Citizen

**Assignments**

1. Prayer Walk
2. Project: Service
3. Career
4. Stewardship of the Earth
5. Government
6. Quiz 1
7. Alternate Quiz 1
8. Family
9. Church
10. Loving My Neighbors
11. Quiz 2
12. Alternate Quiz 2
13. Reflection
14. Test

Christian Faith and Living Today

## Unit 4: Overcoming Obstacles

**Assignments**

1. Doubt
2. Temptation
3. Stress
4. Quiz 1
5. Alternate Quiz 1
6. Materialism
7. Negative Influence
8. Pride
9. Quiz 2
10. Alternate Quiz 2
11. Forgiveness
12. Habitual Sin
13. Quiz 3
14. Alternate Quiz 3
15. Test

Christian Faith and Living Today

## Unit 5: Running the Race

**Assignments**

1. Spiritual Maturity
2. Decisions
3. Christian Leadership
4. The Great Commission
5. Quiz 1
6. Alternate Quiz 1
7. Walk in the Spirit
10. Spiritual Gifts
11. The Greatest Gift
12. Quiz 2
13. Alternate Quiz 2
14. Test
15. Course Review
16. Cumulative Final Exam

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# History and Geography

## History and Geography 300

The third grade curriculum is an exploration of the history and geography of the United States. The intent of the course is to give the student an overview of the United States. The student will learn map terminology such as latitude, longitude, and compass rose. These and other geographical terms, along with an overview of the geography of the United States, will help the student discuss and understand the geography of the United States.

Objectives

- Identify and use map terminology including latitude, longitude, and compass rose.
- Compare and contrast regional geography across the United States and how this contributes to weather, resources and recreation in the region.
- Examine and describe key events for each region.
- Examine and describe the contributions of famous people from each region.
- Recognize the basics of how the United States was formed.
- Recognize the basics of the operation of United States government.

History and Geography 300

**Unit 1: Geography**

**Assignments**

1. Course Overview
2. Map Skills
3. Longitude and Latitude
4. Cartographers
5. Project 1: Map Drawing
6. Quiz 1: Geography
7. Alternate Quiz 1: Geography*
8. Resources
9. Human Resources
10. Goods and Services
11. Quiz 2: Resources
12. Alternate Quiz 2: Resources*
13. Community
14. Culture
15. Community Organization
16. Project 2: Essay
17. Quiz 3: Community
18. Alternate Quiz 3: Community*
19. Special Project*
20. Review Activities
21. Test
22. Alternate Test*
23. Glossary and Credits

History and Geography 300

**Unit 2: New England States**

**Assignments**

1. States in New England
2. Geography of New England
3. Weather of New England
4. Project 1: Map Drawing of New England States
5. Quiz 1: New England States
6. Alternate Quiz 1: New England States*
7. New England Natural Resources
8. New England Human Resources
9. Famous People
10. Products and Services
11. Project 2: Research
12. Quiz 2: New England Resources
13. Alternate Quiz 2: New England Resources*
14. New England Community and Culture
15. Education
16. Recreation
17. Quiz 3: New England Community
18. Alternate Quiz 3: New England Community*
19. Special Project*
20. Review Activities
21. Test
22. Alternate Test*
23. Glossary and Credits

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History and Geography 300

## Unit 3: Mid-Atlantic States

**Assignments**

1. States in the Mid-Atlantic
2. Geography of the Mid-Atlantic
3. Weather of the Mid-Atlantic
4. Project 1: Map Drawing of the Mid-Atlantic States
5. Quiz 1: Mid-Atlantic States
6. Alternate Quiz 1: Mid-Atlantic States*
7. Mid-Atlantic Natural Resources
8. Famous People
9. Products and Services
10. Project 2: Research
11. Quiz 2: Mid-Atlantic Resources
13. Alternate Quiz 2: Mid-Atlantic Resources*
14. Mid-Atlantic Community
15. Government
16. Recreation
17. Quiz 3: Mid-Atlantic Community
18. Alternate Quiz 3: Mid-Atlantic Community*
19. Special Project *
20. Review Activities
21. Test
22. Alternate Test*

History and Geography 300

## Unit 4: Southern-Atlantic States

**Assignments**

1. States in the Southern-Atlantic Region
2. Geography of the Southern-Atlantic States
3. Weather of the Southern-Atlantic States
4. Project 1: Map Drawing of the Southern-Atlantic States
5. Quiz 1: Geography of the Southern-Atlantic States
6. Alternate Quiz 1: Geography of the Southern-Atlantic States*
7. Southern-Atlantic Resources
8. Famous People
9. Products and Services
10. Project 2: Research
11. Quiz 2: Southern-Atlantic Resources
13. Alternate Quiz 2: Southern-Atlantic Resources
14. Southern-Atlantic Community
15. Space Exploration
16. Southern-Atlantic Recreation
17. Quiz 3: Southern-Atlantic Community
18. Alternate Quiz 3: Southern-Atlantic Community*
19. Special Project*
20. Review Activities
21. Test
22. Alternate Test*

History and Geography 300

## Unit 5: Southern States

**Assignments**

1. States in the Southern Region
2. Geography of the Southern States
3. Weather of the Southern States
4. Project 1: Map Drawing of the Southern States
5. Quiz 1: Geography of the Southern States
6. Alternate Quiz 1: Geography of the Southern States*
7. Southern States Resources
8. Famous People
9. Products and Industries
10. Quiz 2: Southern States Resources
11. Alternate Quiz 2: Southern States Resources*
12. Southern States Community
13. The Civil War
14. Music
15. Recreation
16. Project 2: Research
17. Quiz 3: Southern States Community
18 Alternate Quiz 3: Southern States Community*
19. Special Project*
20. Review Activities
21. Test
22. Alternate Test*
23. Glossary and Credits

History and Geography 300

## Unit 6: Great Lakes States

**Assignments**

1. States in the Great Lakes Region
2. Geography of the Great Lakes Region
3. Weather in the Great Lakes region
4. Project 1: Map Drawing of the Great Lakes States
5. Quiz 1: Great Lakes States
6. Alternate Quiz 1: Great Lakes States*
7. Great Lakes States Resources
8. Famous People
9. Project 2: Research
10. Products and Services
11. Quiz 2: Great Lakes Resources
12. Alternate Quiz 2: Great Lakes Resources*
13. Great Lakes Community
14. Invention
15. Recreation
16. Quiz 3: Great Lakes Community
17. Alternate Quiz 3: Great Lakes Community*
18. Special Project*
19. Review Activities
20. Test
21. Alternate Test*
22. Glossary and Credits

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History and Geography 300

## Unit 7: Midwestern States

**Assignments**

1. States in the Midwest
2. Geography of the Midwest
3. Weather in the Midwest
4. Project 1: Map Drawing of the Midwest region
5. Quiz 1: Midwest States
6. Alternate Quiz 1: Midwest States*
7. Midwest Region Resources
8. Famous People
9. Project 2: Research
10. Products and Services
11. Quiz 2: Midwest Region Resources
12. Alternate Quiz 2: Midwest Region Resources
13. Midwest Community
14. Native Americans
15. Recreation
16. Quiz 3: Midwest Community
17. Alternate Quiz 3: Midwest Community*
18. Special Project*
19. Review Activities
20. Test
21. Alternate Test*
22. Glossary and Credits

History and Geography 300

## Unit 8: Mountain States

**Assignments**

1. States in the Mountain Region
2. Geography of the Mountain Region
3. Weather in the Mountain Region
4. Project 1: Map Drawing of the Mountain Region
5. Quiz 1: The Mountain Region
6. Alternate Quiz 1: The Mountain Region*
7. Mountain States Resources
8. Famous People
9. Project 2: Research
10. Products and Services
11. Quiz 2: Mountain States Resources
12. Alternate Quiz 2: Mountain States Resources*
13. Mountain States Community
14. Cowboys
15. Recreation
16. Quiz 3: Mountain States Community
17. Alternate Quiz 3: Mountain States Community*
18. Special Project*
19. Review Activities
20. Test
21. Alternate Test*
22. Glossary and Credits

History and Geography 300

## Unit 9: Pacific States

**Assignments**

1. States in the Pacific Region
2. Geography of the Pacific Region
3. Weather in the Pacific Region
4. Project 1: Map Drawing of the Mountain Region
5. Quiz 1: The Pacific Region
6. Alternate Quiz 1: The Pacific Region*
7. Pacific States Resources
8. Famous People
9. Project 2: Research
10. Products and Services
11. Quiz 2: Pacific States Resources
12. Alternate Quiz 2: Pacific States Resources*
13. Pacific States Community
14. Computers
15. Recreation
16. Quiz 3: Pacific States Community
17. Alternate Quiz 3: Pacific States Community*
18. Special Project*
19. Review Activities
20. Test
21. Alternate Test*
22. Glossary and Credits

History and Geography 300

## Unit 10: Review

**Assignments**

1. Geography of the United States
2. Project 1: Map Drawing: Geography of the United States
3. Quiz 1: Geography of the United States
4. Alternate Quiz 1: Geography of the United States*
5. Eastern US States Review
6. Southern Atlantic States Review
7. Southern States Review
8. Quiz 2: Eastern US States Review
9. Alternate Quiz 2: Eastern US States Review*
10. Western US States Review
11. Mountain States Review
12. Pacific States Review
13. Quiz 3: Western US States Review
14. Alternate Quiz 3: Western US States Review*
15. Project 2: Poster Project
16. Special Project*
17. Review Activities
18. Test
19. Alternate Test*
20. Glossary and Credits

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# History and Geography 400

History and Geography 400 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course focuses on World Geography, describing the surface of the Earth and its natural features (biomes). It also teaches about cultural distinctives, placing special emphasis on North American geography and culture. Then, expanding on instruction, it presents a survey of Earth and space explorations. These areas of focus target three major content strands: Geography, History, and Social Studies Skills.

Upon completion of the course, students should be able to:

- identify significant explorers, such as Prince Henry, Christopher Columbus, and Ferdinand Magellan, noting their accomplishments.
- locate and describe different regions of the world, such as climactic and topographical regions.
- understand the world in spatial terms (according to hemispheres and maps).
- locate and describe U.S. regions made up of various groups of states, such as New England and the plains states.
- identify cultural and geographic differences between various biomes and countries that are covered in the course.

History and Geography 400

**Unit 1: Our Earth**

**Assignments**

1. Course Overview
2. Maps
3. Oceans
4. Continents
5. Rivers and Lakes
6. Quiz 1
7. Early Exploration of Earth: Part 1
8. Project: Spices*
9. Early Exploration of Earth: Part 2
10. Quiz 2
11. Recent Exploration of Earth: Part 1
12. Recent Exploration of Earth: Part 2
13. Report: Space Flight
14. Report: Space Missions*
15. Quiz 3
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

History and Geography 400

**Unit 2: Seaport Cities**

**Assignments**

1. Seaports
2. Project: Map Part 1
3. Australia
4. Sydney
5. Report: Animals
6. Project: Australian Flag*
7. Quiz 1
8. Hong Kong-Part 1
9. Hong Kong-Part 2
10. Chinese Culture
11. Quiz 2
12. Istanbul-Part 1
13. Project: Map Part 2
14. Istanbul-Part 2
15. Turkish Culture
16. Quiz 3
17. London-Part 1
18. Project: Map Part 3
19. Project: Name the Parts*
20. London-Part 2
21. British Culture
22. Project: Map Part 4
23. Quiz 4
24. Special Project*
25. Review Game
26. Test
27. Alternate Test*
28. Reference

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History and Geography 400

## Unit 3: Desert Lands

**Assignments**

1. What is a Desert?
2. Life in the Desert
3. Project: Plants and the Desert
4. Project: Desert Animals
5. Quiz 1
6. Northern Hemisphere Deserts
7. Southern Hemisphere Deserts
8. Quiz 2
9. How Do People Live in the Desert?
10. Project: Nomads*
11. Modern Ways of Life
12. Project: Inventions
13. Quiz 3
14. Special Project*
15. Review Game
16. Test
17. Alternate Test*
18. Reference

History and Geography 400

## Unit 4: Grasslands

**Assignments**

1. Grasslands
2. The Ukraine-Part 1
3. The Ukraine-Part 2
4. The Ukraine-Part 3
5. Quiz 1
6. Kenya-Part 1
7. Kenya-Part 2
8. Kenya-Part 3
9. Project: Kenyan Safari
10. Kenya-Part 4
11. Quiz 2
12. Argentina-Part 1
13. Argentina-Part 2
14. Argentina-Part 3
15. Quiz 3
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

History and Geography 400

## Unit 5: Tropical Rainforests

**Assignments**

1. Rainforests of the World
2. Plants and Animals of the Rainforest
3. People and the Rainforest
4. Report: Rainforest Plants and Animals
5. Quiz 1
6. The Amazon
7. History of Amazonia
8. Amerindians of the Amazon
9. Quiz 2
10. The Congo Rainforest
11. History of the Congo
12. Report: The Livingstone Story
13. People of the Congo Rainforest
14. Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

History and Geography 400

## Unit 6: The Polar Regions

**Assignments**

1. The Polar Regions
2. Ice and Icebergs
3. Quiz 1
4. Arctic Polar Region
5. Arctic Plant and Animal Life
6. Report: Arctic Animal
7. Life in the Arctic
8. The Arctic Today
9. Quiz 2
10. The Antarctic Polar Region
11. The Last Place on Earth
12. Report: Polar Explorer
13. Quiz 3
14. Special Project*
15. Review Game
16. Test
17. Alternate Test*
18. Reference

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History and Geography 400

## Unit 7: Mountain Countries

**Assignments**

1. Mountain Regions
2. The Andes and Peru
3. Peru Today
4. Quiz 1
5. The Himalayas
6. Nepal
7. Nepalese History
8. Nepal Today
9. Quiz 2
10. Switzerland of the Alps
11. Swiss History
12. Switzerland Today
13. Quiz 3
14. Special Project*
15. Review Game
16. Test
17. Alternate Test*
18. Reference

History and Geography 400

## Unit 8: Living in Island Countries

**Assignments**

1. Islands of the World
2. Cuba
3. Cuban History
4. Life in Cuba
5. Quiz 1
6. Iceland
7. History of Iceland
8. Icelandic Life
9. Quiz 2
10. Japan
11. Japanese History
12. Life in Japan
13. Japanese Religion and Art
14. Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

History and Geography 400

## Unit 9: North America

**Assignments**

1. Geography
2. Peninsulas, Oceans, and Islands
3. Climate, Resources, and Culture
4. Quiz 1
5. Greenland
6. Canada
7. United States-Part 1
8. United States-Part 2
9. Quiz 2
10. Mexico
11. Central America
12. West Indies
13. Quiz 3
14. Special Project*
15. Review Game
16. Test
17. Alternate Test*
18. Reference

History and Geography 400

## Unit 10: Our World in Review

**Assignments**

1. Review of Geography
2. Review of Exploration
3. Review of Europe
4. Quiz 1
5. Review of Asia-Part 1
6. Review of Asia-Part 2
7. Review of Africa
8. Quiz 2
9. Review of Australia
10. Project: Investigate the Mystery
11. Review of South America-Part 1
12. Review of South America-Part 2
13. Review of Antarctica
14. Quiz 3
15. Review of North America
16. Review of the United States
17. Review of the North Polar Region
18. Quiz 4
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

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# History and Geography 500

History and Geography 500 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. It focuses on two major areas, American History and Geography. The course covers American History from early exploration through the Reconstruction, with special emphasis given to inventions and technology of the 19th and early 20th centuries, and geography of the Americas, with special emphasis on Mexico, Canada, and U.S. regional geography. These areas of focus target four major content strands: History, Geography, Government and Citizenship, and Social Studies Skills.

Upon completion of the course, students should be able to do the following:

- Identify significant explorers, such as Christopher Columbus, Francisco Coronado, Sir Francis Drake, Ferdinand Magellan, and Samuel de Champlain, noting their accomplishments.
- Understand how conflict between the American colonies and Great Britain led to American independence.
- Understand political and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution, and explain how these changes led to conflict among sections of the United States.
- Describe the causes and effects of the Civil War and its aftermath.
- Apply geographic tools, including maps, legends, and symbols.
- Locate and describe U.S. regions made up of various groups of states, such as New England and the Great Plains.

Additionally, students will gain practice in report-writing and story-writing, covering topics like proverbs, the Pledge of Allegiance, frontier life, inventions, and more.

History and Geography 500

**UNIT 1: Exploring the New World**

**Assignments**

1. Course Overview
2. Exploration Tools
3. Maps
4. Quiz 1
5. Viking and Portuguese Explorers
6. Spanish Explorers
7. English Explorers
8. French Explorers
9. Dutch Explorers
10. Quiz 2
11. Early Settlements
12. Project: Prayer of Thanksgiving*
13. New England Colonies
14. Middle Colonies
15. Southern Colonies
16. Quiz 3
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

History and Geography 500

**Unit 2: Colonial American Life**

**Assignments**

1. Life in New England Colonies
2. Project: Family Tree*
3. New England Clothing and Schools
4. New England Crafts
5. New England Worship and Activities
6. Quiz 1
7. Life in the Middle Colonies
8. Benjamin Franklin: A Successful Man
9. Benjamin Franklin: A Good Citizen
10. Project: Bible Proverbs
11. Project: Franklin Proverbs*
12. Quiz 2
13. Life in the Southern Colonies
14. Southern Activities and Worship
15. Quiz 3
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

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History and Geography 500

## Unit 3: Thirteen Colonies Become a Nation

**Assignments**

1. A Search for Freedom
2. Problems With England
3. Quiz 1
4. War of Independence
5. Project: Johnny Cakes*
6. Independence Declared
7. A Turning Point Reached
8. Essay: Revolutionary War*
9. Quiz 2
10. Victory Declared
11. A New Nation
12. Quiz 3
13. Democracy
14. Project: Pledge of Allegiance
15. Quiz 4
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

History and Geography 500

## Unit 4: New Lands and Troubled Times

**Assignments**

1. The Louisiana Purchase
2. Project: Colonies Map Activity*
3. The War of 1812
4. Project: Star Spangled Banner*
5. Expansion from Sea to Sea
6. Project: Map of the United States*
7. Project: America the Beautiful*
8. Project: Current Event*
9. Quiz 1
10. Life on the Frontier
11. Life on the New Frontier
12. Project: Living in the Frontier
13. Quiz 2
14. Problems Between the North and the South
15. A Great Nation Divided by War
16. The Aftermath of the Civil War
17. Quiz 3
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

History and Geography 500

## Unit 5: The United States Becomes a World Leader

**Assignments**

1. Inventions and New Ideas
2. Development of Power
3. Technological Advancements
4. Project: Conservation*
5. Quiz 1
6. Industrialization
7. Power Struggles
8. Quiz 2
9. Immigration and Urbanization
10. Report: Biography
11. Essay: Government Money*
12. Quiz 3
13. Special Project*
14. Review Game
15. Test
16. Alternate Test*
17. Reference

History and Geography 500

## Unit 6: United by Transportation and Communication

**Assignments**

1. Progress of Transportation in Early America
2. Land Transportation
3. Water Transportation
4. Quiz 1
5. Project: Family Travel*
6. Steamboat and Rail Transportation
7. Project: Tom Thumb*
8. Progress of Transportation After 1800
9. Air Transportation
10. Quiz 2
11. Progress of Communication in America
12. Printed and Postal Communication
13. Electronic Communication
14. Project: Skit*
15. Modern Communication and the Government
16. Report: Invention
17. Quiz 3
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

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History and Geography 500

## Unit 7: The United States- One Nation With Many Regions

**Assignments**

1. The New England States
2. The Middle Atlantic States
3. The Southern States
4. Report: State
5. Quiz 1
6. The Midwestern States-Part 1
7. The Midwestern States-Part 2
8. Project: Captain's Diary*
9. Project: Atlas Work*
10. The Western States
11. Quiz 2
12. Alaska
13. Hawaii and U.S. Island Possessions
14. Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

History and Geography 500

## Unit 8: Our Southern Neighbors

**Assignments**

1. Mexico: Contrasts in Geography
2. Mexico: Contrasts in Cultures
3. Mexico: Contrasts in Daily Life
4. Quiz 1
5. Essay: Influence*
6. Central America: Contrasts in Geography
7. Report: Continental Divide
8. Central America: Contrasts in Culture
9. Central America: Contrasts in Daily Life
10. Quiz 2
11. Caribbean Islands
12. Quiz 3
13. Special Project*
14. Review Game
15. Test
16. Alternate Test*
17. Reference

History and Geography 500

## Unit 9: Canada- Our Northern Neighbor

**Assignments**

1. Giant of the North
2. Mosaic of People
3. Project: Inuits*
4. Searchers of Gold, Glory, and Spices
5. Project: Play*
6. Quiz 1
7. Glory of New France
8. A Century of Trial
9. Canadian Confederation
10. Quiz 2
11. Spirit of Friendship
12. Report: Hudson Bay Company
13. Government and Unity
14. Provinces of Canada
15. Quiz 3
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

History and Geography 500

## Unit 10: Review

**Assignments**

1. European Countries and Explorers
2. New World Colonies-Part 1
3. New World Colonies-Part 2
4. Quiz 1
5. War for Independence
6. Expansion and More War
7. Quiz 2
8. Industrialization, Immigration, Urbanization
9. Communication and World Leadership
10. The United States
11. Quiz 3
12. Mexico
13. Central America, Caribbean Islands, Canada
14. Quiz 4
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

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# History and Geography 600

History and Geography 600 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course focuses on World History, with an emphasis on Western Europe. Specifically, it covers World History from ancient civilizations through the end of the 20th century, highlighting early Christianity (through the Reformation) and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies Skills.

Upon completion of the course, students should be able to do the following:

- Understand the world in spatial terms (according to hemispheres, latitude and longitude, maps, and time zones).
- Understand how cultures differ in each of the hemispheres studied.
- Understand Western civilization from its beginnings to the end of the Renaissance.
- Understand the significant religious, cultural, and scientific events in Europe during the Renaissance.
- Identify cultural and geographic differences between the South American countries studied.
- Identify cultural and geographic differences between the African countries studied.
- Identify key causes, events, and leaders of the two World Wars.
- Understand the history, culture, and politics of Eastern European countries.

Additionally, students will gain practice in report-writing, covering topics like North American geography, the Crusades, the influence of the Renaissance, the Industrial Revolution, and more.

History and Geography 600

**Unit 1: World Geography**

**Assignments**

1. Course Overview
2. Latitude and Longitude
3. Time Zones and Maps
4. Quiz 1
5. Western Hemisphere: North America
6. Project: North America
7. Western Hemisphere: South America
8. Quiz 2
9. Eastern Hemisphere: Africa
10. Eastern Hemisphere: Europe and Asia
11. Quiz 3
12. Southern Hemisphere: Australia and Antarctica
13. Quiz 4
14. World Cultures - Part 1
15. Report: Latin America*
16. World Cultures - Part 2
17. World Cultures - Part 3
18. Quiz 5
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

History and Geography 600

**Unit 2: The Cradle of Civilization**

**Assignments**

1. Mesopotamia: Fertile Crescent and Sumer
2. Mesopotamia: Babylonia and Assyria
3. Mesopotamia: Chaldea and Persia
4. Quiz 1
5. Israel
6. Quiz 2
7. Egypt - The Old Kingdom
8. Egypt - The New Kingdom
9. Quiz 3
10. Special Project*
11. Review Game
12. Test
13. Alternate Test*
14. Reference

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History and Geography 600

## Unit 3: The Civilazations of Greece And Rome

**Assignments**

1. The Civilization of Greece
2. Greece: City-States
3. Greece: Wars
4. Greece: Contributions
5. Quiz 1
6. The Civilization of Rome
7. Rome: Power and Culture
8. Rome: Christianity, Contributions, Decline
9. Quiz 2
10. Special Project*
11. Review Game
12. Test
13. Alternate Test*
14. Reference

History and Geography 600

## Unit 4: Life in the Middle Ages

**Assignments**

1. The Feudal System
2. Quiz 1
3. Daily Life
4. Project: The Poor*
5. Project: Pollution*
6. Quiz 2
7. Books and Schools
8. Project: Scribe*
9. Quiz 3
10. Islam
11. Quiz 4
12. The Crusades
13. Project: Crusade Lessons
14. Quiz 5
15. The Trade System
16. Quiz 6
17. The Cathedrals
18. Quiz 7
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

History and Geography 600

## Unit 5: Western Europe

**Assignments**

1. The Renaissance: Awakening in Learning
2. Art, Architecture, and Exploration
3. Religion and Other Fields
4. Essay: Renaissance Influence
5. Quiz 1
6. The Industrial Revolution
7. Project: Industrial Revolution
8. Quiz 2
9. Age of Unrest: World War I
10. Report: World War I*
11. Age of Unrest: World War II
12. Quiz 3
13. Special Project*
14. Review Game
15. Test
16. Alternate Test*
17. Reference

History and Geography 600

## Unit 6: Eastern Europe

**Assignments**

1. The Byzantine Empire
2. The Orthodox Church and Byzantine Art
3. Quiz 1
4. North and Central Countries
5. Balkan Countries
6. Quiz 2
7. Modern History: Communism
8. Communism vs Democracy
9. Communism/The Space Age
10. Report: Country
11. Quiz 3
12. Special Project*
13. Review Game
14. Test
15. Alternate Test*
16. Reference

History and Geography 600

## Unit 7: Africa

**Assignments**

1. Introduction and Northern Africa
2. Northern Coastal and Inland Countries
3. Essay: Peace*
4. Essay: Treatment of Others
5. Quiz 1
6. Central Africa and Western Countries
7. Equatorial Countries
8. Quiz 2
9. Southern African Countries
10. Quiz 3
11. Special Project*
12. Review Game
13. Test
14. Alternate Test*
15. Reference

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History and Geography 600

## Unit 8: Six South American Countries

**Assignments**

1. Brazil: Geography
2. Brazil: People and History
3. Brazil: Today and Tomorrow
4. Report: Special Times
5. Report: Brazil*
6. Quiz 1
7. Colombia: Geography and People
8. Colombia: History, Today, and Tomorrow
9. Report: A Child in Colombia*
10. Quiz 2
11. Venezuela: Geography and People
12. Venezuela: History, Today, and Tomorrow
13. Report: Petroleum*
14. Guyana, Suriname, and French Guiana
15. Report: Guianas*
16. Quiz 3
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

History and Geography 600

## Unit 9: Seven South American Countries

**Assignments**

1. Ecuador, Peru, and Bolivia: Geography
2. Ecuador, Peru, and Bolivia: People and History
3. Ecuador, Peru, and Bolivia: Cities and Resources
4. Report: Cities
5. Quiz 1
6. Uruguay
7. Paraguay
8. Report: Paraguay and Uruguay*
9. Quiz 2
10. Argentina
11. Report: Magellan*
12. Chile
13. Report: Chile*
14. Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

History and Geography 600

## Unit 10: Development of Our World

**Assignments**

1. Cradle of Civilization: Mesopotamia
2. Cradle of Civilization: Egypt and Israel
3. Quiz 1
4. Empire of Greece
5. Empire of Rome
6. Dark Ages in the Middle Ages
7. Quiz 2
8. Western Europe
9. Age of Unrest
10. Eastern Europe
11. Quiz 3
12. Africa
13. South America
14. Quiz 4
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

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# History and Geography 700

History and Geography 700 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course surveys the social sciences, covering history, geography, anthropology, sociology, economics, and political science. These areas of focus target all five major content strands: History, Geography, Government and Citizenship, Economics, and Social Studies Skills.

Upon completion of the course, students should be able to do the following:

- Understand the historical method.
- Understand the world in spatial terms (according to latitude and longitude, maps, time zones, and Daylight Saving Time).
- Locate and describe different topographical features of the world, such as plains, mountainous regions, rivers, and valleys.
- Locate and describe U.S. regions made up of various groups of states, such as the Northeast and the Midwest.
- Understand the meaning, methods, and goals of anthropology.
- Understand the meaning, methods, and goals of sociology.
- Understand the anthropology and sociology of the United States, especially of Native Americans.
- Know the characteristics of major economic systems–free enterprise and socialism–and the role that government plays in each one.
- Understand and describe contributions made to the area of political science by various political thinkers.
- Understand the structure and functions of American government and economics at the state level.

Additionally, students will gain practice in report-writing, covering topics like topographies of home states, underdeveloped nations, modern political issues, and more.

History and Geography 700

**Unit 1: What is History?**

**Assignments**

1. Course Overview
2. The Definition of History
3. Significance: Contributions
4. Significance: Unity and Continuity
5. Significance: Conflicts
6. Quiz 1
7. Characteristics of Historians
8. The Historical Method
9. Quiz 2
10. Two Views of History
11. Quiz 3
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

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History and Geography 700

## Unit 2: What is Geography?

**Assignments**

1. Classes of Geography
2. Shape and Movement of the Earth
3. Quiz 1
4. Relief: Plains and Hills
5. Relief: Mountains and Plateaus
6. Elevation*
7. Relief: Rivers, Valleys, Oceans, Seas
8. Rivers*
9. The Journey West
10. Essay: Geography Trip*
11. Project: Landscape*
12. Quiz 2
13. Types of Projections
14. Places on Maps
15. Time Changes and Location
16. Project: Local Map*
17. Quiz 3
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

History and Geography 700

## Unit 3: The United States

**Assignments**

1. Geography: Part 1
2. Geography: Part 2
3. Early History
4. Quiz 1
5. Northeast
6. South
7. Quiz 2
8. Midwest
9. West
10. Project: My Own State
11. Quiz 3
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

History and Geography 700

## Unit 4: Anthropology - The Study of Mankind

**Assignments**

1. Understanding Anthropology
2. Goals and Methods of Anthropology
3. Fieldwork
4. Quiz 1
5. Unity of Man
6. Diversity of Man
7. Quiz 2
8. Seeking Food
9. Seeking Protection
10. Seeking Prosperity
11. Quiz 3
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

History and Geography 700

## Unit 5: Sociology - Man in Groups

**Assignments**

1. Introduction
2. Historical Development
3. Social Groups/ Cultural Influence
4. Social Behavior
5. Quiz 1
6. Methods
7. Quiz 2
8. Special Project*
9. Test
10. Alternate Test*
11. Reference

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History and Geography 700

## Unit 6: Anthropology and Sociology of the United States

**Assignments**

1. Native Americans
2. Northeastern/ Southern Tribes
3. Midwestern/ Western Tribes
4. Other Cultural Groups
5. Essay: Native American Culture
6. Quiz 1
7. Immigrants From Europe, Asia, and Africa
8. Other Social Groups/ Religions
9. Quiz 2
10. United States as a Melting Pot
11. Change in Society
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

History and Geography 700

## Unit 7: Economics - Resources and Needs

**Assignments**

1. Wants and Economic Systems
2. Resources Available and Choice
3. Report: Underdeveloped Country
4. Quiz 1
5. Market Mechanism
6. Competition
7. Role of Government and Money
8. Quiz 2
9. An Experiment in Economy
10. Essay: Economics
11. Quiz 3
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

History and Geography 700

## Unit 8: Political Science

**Assignments**

1. Areas of Political Science
2. Ways of Knowing
3. Quiz 1
4. Contributions: Jewish and Greek Civilizations
5. Essay: Greek Leader*
6. Contributions: Christianity
7. Report: Roman Leader
8. Quiz 2
9. Modern Political Thinkers
10. Theory, Practice, and Models
11. Essay: Western Political Thought
12. Essay: Political News
13. Quiz 3
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

History and Geography 700

## Unit 9: Economics and Politics of a State

**Assignments**

1. State Government
2. Structure: Legislative
3. Structure: Executive and Judicial
4. Quiz 1
5. State Finance: Spending and Taxing
6. State Finance: Taxing and Borrowing
7. Essay: Christian/Government
8. Quiz 2
9. Politics: Political Parties
10. Politics: Viewpoints and Power
11. Quiz 3
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

History and Geography 700

## Unit 10: Social Sciences Review

**Assignments**

1. Meaning of History/ Historical Method
2. Geography of the Earth
3. Geography and Early History of the U.S.
4. Quiz 1
5. Anthropology
6. Sociology
7. The Nature of Man
8. The Culture of Man
9. Cultural Groups of the United States
10. Immigrants and Social Change
11. Quiz 2
12. The Discipline of Economics
13. The Discipline of Political Science
14. The State
15. Quiz 3
16. Special Project*
17. Test
18. Alternate Test*
19. Reference

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# History and Geography 800

History and Geography 800 continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course focuses on American History, covering the subject from early exploration through the present day, with special emphasis given to the Civil War and to inventions and technology of the 19th and early 20th centuries. These areas of focus target three major content strands: History, Geography, and Government and Citizenship.

Upon completion of the course, students should be able to do the following:

- Identify significant explorers, such as Christopher Columbus, Francisco Coronado, Sir Francis Drake, Ferdinand Magellan, Henry Hudson, Jacques Cartier, and Samuel de Champlain, noting their accomplishments.
- Understand how conflict between the American colonies and Great Britain led to American independence.
- Understand political, economic, and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution, and explain how these changes led to:
  - movement into the western frontier, and
  - conflict among sections of the United States.
- Describe the causes and effects of the Civil War and its aftermath.
- Describe the causes and effects of both World Wars.
- Understand some of the key challenges facing American society in the late 20th and early 21st centuries.

Additionally, students will gain practice in report-writing, covering topics like the thirteen colonies, the U.S. Constitution, the Civil War, inventors, and more.

History and Geography 800

**Unit 1: European Backgrounds**

**Assignments**

1. Course Overview
2. Civilization Awakens from Darkness
3. Exploration Catches Fire
4. Quiz 1
5. Spain Launches Forth
6. The East Meets the West
7. Spain's Treasure Hunt
8. Quiz 2
9. Spain's Rivals: English and Dutch Efforts
10. The Dutch Claim New Land
11. French Trading Interests
12. Report: New World Explorers
13. Quiz 3
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

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History and Geography 800

## Unit 2: The Colonization of America

**Assignments**

1. Competition for Colonial Control
2. New France's Southward Expansion
3. English Face Unknown Horizons
4. Dutch Trading Interests
5. Quiz 1
6. British Colonies: Jamestown
7. New England Colonies
8. Middle and Southern Colonies
9. Colonial Governments
10. Report: Original Thirteen Colonies
11. Quiz 2
12. Development of Colonial Lifestyles
13. Life in a Puritan Community
14. Middle Bread Colonies
15. Mid-Atlantic Lifestyles
16. Southern Plantations
17. Plantation Living
18. Quiz 3
19. Special Project*
20. Test
21. Alternate Test*
22. Reference

History and Geography 800

## Unit 3: War for Independence

**Assignments**

1. England's Colonial Politics
2. Discontent of the Indians
3. British Economy
4. Acts of Dismay
5. Colonial Resistance
6. Quiz 1
7. Continental Congress
8. Battles Which Led to War
9. Declaration of Independence
10. Quiz 2
11. Progress of the War
12. The Turning Point
13. Other Campaigns
14. Yorktown and the Treaty of Paris 1783
15. Report: Battle of Saratoga
16. Quiz 3
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

History and Geography 800

## Unit 4: The Emergence of a Nation

**Assignments**

1. Thirteen Colonies Become a Free Nation
2. Report: Americans Working for Rights Today
3. The Second Continental Congress
4. Quiz 1
5. Establishing a Government
6. Report: The Articles of Confederation
7. The Constitutional Convention
8. The United States Constitution
9. Report: Declaration of Independence and Constitution
10. Quiz 2
11. The Growing Nation
12. Formation of Political Parties
13. The Nation Suffers Growing Pains
14. Americans Move Westward
15. Quiz 3
16. Special Project H804D
17. Test
18. Alternate Test
19. Reference

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History and Geography 800

## Unit 5: The Westward Movement

**Assignments**

1. Industrial Revolution in the North
2. Improved Transportation Systems
3. Erie Canal and Railroads
4. Improved Communication Systems
5. The Effect of the Industrial Revolution in the South
6. Report: American Inventors
7. Quiz 1
8. Development of Sectional Rivalries
9. Missouri Compromise and the Election of 1824
10. The Jacksonian Presidency
11. Jacksonian Policies
12. Quiz 2
13. Development of Western Lands
14. Texas Revolt
15. The Oregon Question
16. Mexican War
17. California Gold Rush
18. Quiz 3
19. Special Project
20. Test
21. Alternate Test
22. Reference

History and Geography 800

## Unit 6: The Civil War

**Assignments**

1. Causes of the Civil War
2. The Institution of Slavery
3. Slavery Becomes an Issue
4. Continued Problems with Slavery
5. Events Leading to Secession and War
6. Essay: Causes of the Civil War
7. Quiz 1
8. Preparation for War: The First Battle
9. War Develops in the West
10. Gettysburg and Vicksburg
11. The Last Campaigns
12. The Emancipation Proclamation
13. Report: Civil War Report
14. Quiz 2
15. Reconstruction
16. Johnson Versus Republican Radicals
17. Radical Reconstruction
18. Report: Reconstruction and Its Effects
19. Quiz 3
20. Special Project*
21. Test
22. Alternate Test*
23. Reference

History and Geography 800

## Unit 7: The Industrial Nation

**Assignments**

1. European Background of Industry
2. Beginnings of Industry in England
3. Industry in the Colonies
4. Industry in the New Nation
5. Quiz 1
6. Early Industry in the United States
7. War's Contribution to Industry
8. Later Industrial Achievements
9. Further Achievements: Power, Transportation, and Communication
10. Report: Inventors and Inventions
11. Quiz 2
12. Influence of Industry: Growth of Corporations
13. Labor Practices: The Advent of Unions
14. Essay: Workers and Employers
15. Crisis of the Individual
16. Report: Achievements of the Industrial Revolution
17. Quiz 3
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

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## Unit 8: Twentieth Century World Power

**Assignments**

1. Overseas Expansion
2. Spanish-American War
3. World Awareness
4. Panama Canal
5. Quiz 1
6. Causes of the First World War
7. Military Movements
8. War on the Continent
9. Cost of Conflict
10. Quiz 2
11. Search for Peace
12. Regaining Normalcy
13. A Deceptive Prosperity
14. Gradual Recovery
15. Report: Presidents and World War I
16. Quiz 3
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

History and Geography 800

## Unit 9: The United States in a Changing World

**Assignments**

1. Between the Wars: New Threats Emerge
2. World War II Begins
3. The United States Enters the War
4. Allied Victory
5. Quiz 1
6. Allied Military Occupation
7. Cold War in Europe
8. Hot War in Asia
9. Trouble Spots Around the World
10. Quiz 2
11. Vietnam
12. Nixon, Ford, and Carter
13. Reagan, Bush, and Clinton
14. The United States in the Twenty-First Century
15. Quiz 3
16. Challenges Today: Technology
17. Challenges Today: Society
18. Challenges Today: Religion
19. Quiz 4
20. Special Project*
21. Test
22. Alternate Test*
23. Reference

History and Geography 800

## Unit 10: American History Review

**Assignments**

1. America's European Background
2. American Colonization
3. American Revolution
4. Quiz 1
5. Establishment of Government
6. The Growth of the United States
7. Development of Sectional Rivalries
8. Settlement of Western Lands
9. Civil War and Reconstruction
10. Quiz 2
11. Vietnam
12. The United States as a World Power
13. World War I
14. Normalcy and Depression
15. World War II
16. The United Nations and the Cold War
17. Quiz 3
18. Special Project*
19. Test
20. Alternate Test*
21. Reference
23. Reference

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# World Geography

World Geography takes students on a journey around the world in which they will learn about the physical and human geography of various regions. They will study the history of each region and examine the political, economic, and cultural characteristics of the world in which we live. Students will also learn about the tools and technologies of geography such as globes, maps, charts, and global information systems.

Upon completion of the course, students should be able to do the following:

- Select and use geographic tools to get information and make predictions.
- Compare places based upon their similarities and differences.
- Identify geographic factors that influenced historic events.
- Evaluate the interrelatedness and interdependence of physical and human systems and their impact on our earth.
- Analyze the role played by culture in the spatial organization of the earth.
- Define the key geographic concerns facing the world and strategize methods to deal with these issues in the future.

Students will also gain practice in writing and note-taking. They will be asked to create graphic organizers, conduct research, analyze information, and write essays on topics such as current events, energy resources, national parks, and more.

World Geography

**Unit 1: Introduction to Geography**

**Assignments**

1. Course Overview
2. What Is Geography?
3. Project: Note It!*
4. Geographic Tools: Globes and Maps
5. Geographic Tools: Graphs, Charts, and More
6. Quiz 1: Introduction to Geography
7. Geographic Themes: Location and Place
8. Geographic Themes: Human-Environmental Interaction and Movement
9. Geographic Themes: Regions
10. Project: Summarize It!
11. Quiz 2: Geographic Themes
12. Physical Characteristics
13. Physical Processes: The Atmosphere and the Hydrosphere
14. Physical Processes: The Lithosphere and the Biosphere
15. Ecosystems
16. Project: Map It!*
17. Quiz 3: Our Earth
18. Special Project*
19. Review
20. Test
21. Alternate Test*
22. Glossary and Credits

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World Geography

## Unit 2: Human Geography

**Assignments**

1. Where People Live
2. Settlement and Movement
3. Quiz 1: Where We Live
4. Cultural Mosaics
5. Economics
6. Conflict and Cooperation
7. Quiz 2: Why Do People Live Where They Do?
8. Humans and Their Environment - Part 1
9. Humans and Their Environment - Part 2
10. Historical Perspectives
11. Project: Analyze It!
12. Quiz 3: Interactions
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

World Geography

## Unit 3: North America

**Assignments**

1. North America in Spatial Terms
2. The United States: The Northeast and the South
3. The United States: The Midwest and the West
4. Canada and Greenland
5. Mexico
6. Quiz 1: Physical Geography
7. Settlement and Movement
8. Culture
9. Economics and Politics
10. Quiz 2: Human Geography
11. Environment and Society
12. Historical Perspectives
13. Project: Analyze It!
14. Quiz 3: Uses of Geography
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

World Geography

## Unit 4: Central America, South America, and the Caribbean

**Assignments**

1. Central America
2. South America
3. The Caribbean
4. Quiz 1: Physical Geography
5. Settlement and Movement
6. Culture
7. Economics and Politics
8. Quiz 2: Human Geography
9. Environment and Society
10. Historical Perspectives
11. Project: Consider It!
12. Looking Ahead
13. Quiz 3: Uses of Geography
14. Special Project*
15. Review
16. Test
17. Alternate Test*
18. Glossary and Credits

World Geography

## Unit 5: Oceania, Australasia, and Antarctica

**Assignments**

1. Oceania, Australasia, and Antarctica in Spatial Terms
2. Micronesia, Melanesia, and Polynesia
3. Australia and New Zealand
4. Antarctica
5. Quiz 1: Physical Geography
6. Settlement and Movement
7. Culture
8. Economics and Politics
9. Quiz 2: Human Geography
10. Environment and Society
11. Historical Perspectives
12. Project: Analyze It!*
13. Quiz 3: Uses of Geography
14. Special Project*
15. Review
16. Test
17. Alternate Test*
18. Glossary and Credits

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WG

**Unit 6: Semester Review and Exam**

**Assignments**

1. Review
2. Exam
3. Alternate Exam – Form A*
4. Alternate Exam – Form B*

World Geography

**Unit 7: Western Europe**

**Assignments**

1. Northern Region
2. Western Central Region
3. Southern Region
4. Quiz 1: Physical Geography
5. Settlement and Movement
6. Culture
7. Economics and Politics
8. Project: Chart It!
9. Quiz 2: Human Geography
10. Environment and Society
11. Historical Perspectives
12. Quiz 3: Uses of Geography
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

World Geography

**Unit 8: Eastern Europe and Russia**

**Assignments**

1. Central Region
2. Balkan Region
3. Eastern Region
4. Quiz 1: Physical Geography
5. Settlement and Movement
6. Culture
7. Economics and Politics
8. Quiz 2: Human Geography
9. Environment and Society
10. Historical Perspectives
11. Project: Report It!
12. Quiz 3: Uses of Geography
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

World Geography

**Unit 9: Sub-Saharan Africa**

**Assignments**

1. Sub-Saharan Africa in Spatial Terms
2. West and Central Africa
3. East and Southern Africa
4. Quiz 1: Physical Geography
5. Settlement and Movement
6. Culture
7. Economics and Politics
8. Quiz 2: Human Geography
9. Environment and Society
10. Historical Perspectives
11. Quiz 3: Uses of Geography
12. Project: Solve It!
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

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World Geography

**Unit 10: North Africa and Southwest Asia**

**Assignments**

1. North Africa
2. Southwest Asia: The Middle East
3. Southwest Asia: The Arabian Peninsula
4. Quiz 1: Physical Geography
5. Settlement and Movement
6. Culture
7. Economics and Politics
8. Quiz 2: Human Geography
9. Environment and Society
10. Historical Perspectives
11. Project: Evaluate It!
12. Quiz 3: Uses of Geography
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

World Geography

**Unit 11: Central, South, East, and Southeast Asia**

**Assignments**

1. Central Asia
2. South Asia
3. East Asia
4. Southeast Asia
5. Quiz 1: Physical Geography
6. Historical Perspectives: South and Southeast Asia
7. Historical Perspectives: East Asia
8. Culture
9. Quiz 2: Human Geography
10. Economics and Politics
11. Environment: South and Southeast Asia
12. Environment: East Asia
13. Project: Analyze It!
14. Quiz 3: Uses of Geography
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

WG

**Unit 12: Semester Review and Exam**

**Assignments**

1. Review
2. Exam
3. Alternate Exam – Form A*
4. Alternate Exam – Form A*

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**Unit 12: Final Exam**

**Assignments**

1. Exam
2. Alternate Exam – Form A*
3. Alternate Exam – Form B*

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# World History

World History continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. With an emphasis on Western Europe, the course surveys ancient civilizations to the end of the 20th century, highlighting early Christianity (through the Reformation) and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies Skills.

Upon completion of the course, students should be able to do the following:

- Understand Western civilization from its beginnings to the present day.
- Understand the significant political and economic transformations and significant cultural and scientific events in Europe during the Renaissance.
- Understand significant religious and societal issues from the Renaissance through the Reformation.
- Understand the significant social and political developments in Europe and America brought on by the English, American, and French Revolutions.
- Understand the effects of the Industrial Revolution.
- Analyze major historical and political events of the 20th century, including the two World Wars, the Cold War, and the Vietnam War.

Additionally, students will gain practice in report-writing, covering topics like the rise of Christianity, the U.S. Constitution, communism versus free enterprise, the United Nations, and more.

World History

**Unit 1: Ancient Civilizations I**

**Assignments**

1. Course Overview
2. Elements of Civilization
3. Origin of Man
4. Fall of Man and Flood From God
5. Origin of Civilization
6. Origin of Nations
7. Quiz 1: Meaning and Origin of Civilization
8. Early Egyptian Geography and History
9. Early Egyptian Empire
10. Early Egyptian Civilization
11. Quiz 2: Early Egyptian Civilization
12. Babylonian and Assyrian Civilization
13. Assyrian History
14. Neo-Babylonian Empire
15. Quiz 3: Assyrian and Babylonian Civilizations
16. Persian Civilization
17. Quiz 4: Ancient Civilizations
18. Special Project*
19. Test: Ancient Civilizations I
20. Alternate Test: Ancient Civilizations I*
21. Glossary and Credits

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World History

## Unit 2: Ancient Civilizations II

**Assignments**

1. The Eastern World: India
2. The Eastern World: China
3. Quiz 1: India and China
4. Greece: Geography and History
5. Greece: Dark Ages
6. Greece: 550-405 B.C.
7. Greece: 359-31 B.C.
8. Greece: Culture
9. Quiz 2: The Greek Civilization
10. Rome: Pre-Republic and Republic
11. Rome: The Empire
12. Rome: Decline of the Empire
13. Christianity and the Roman Empire
14. Report: The Rise of Christianity
15. Quiz 3: The Roman Empire
16. Special Project*
17. Test: Ancient Civilizations II
18. Alternate Test: Ancient Civilizations II*
19. Glossary and Credits

World History

## Unit 3: The Medieval World

**Assignments**

1. The Middle Ages: An Introduction
2. Early Middle Ages
3. Quiz 1: The Early Middle Ages
4. Transition: The Continent and New Invasions
5. Transition: England, the Church, and the Growth of Islam
6. Quiz 2: The Middle Ages in Transition
7. High Middle Ages: Setting
8. High Middle Ages: Monarchies and the Church
9. High Middle Ages: The Byzantine Empire and Other World Powers
10. Quiz 3: The High Middle Ages
11. Special Project*
12. Test: The Medieval World
13. Alternate Test: The Medieval World*
14. Glossary and Credits

World History

## Unit 4: Renaissance and Reformation

**Assignments**

1. Renaissance Government: France and England
2. Renaissance Government: Italy and Spain
3. Developments in Art
4. Changes in Literature and Thought
5. Advances in Science
6. Quiz 1: The Renaissance
7. The Reformation: Wycliffe, Huss, and Luther
8. The Reformation: Zwingli, Grebel, Calvin, and Knox
9. England: Henry VIII and Edward VI
10. England: Mary I and Elizabeth I
11. Reform Within the Catholic Church
12. Wars of Religion
13. Quiz 2: The Reformation
14. Special Project*
15. Test: Renaissance and Reformation
16. Alternate Test: Renaissance and Reformation*
17. Glossary and Credits

World History

## Unit 5: Growth of World Empires

**Assignments**

1. Absolutism in England: 16-17th Centuries
2. Absolutism in England: 17th Century
3. Absolutism in France
4. Report: Versailles
5. English Mercantilism
6. French Mercantilism and Colonial Rivalry
7. Quiz 1: England and France
8. Portugal
9. Spain
10. Quiz 2: Portugal and Spain
11. Austria, Germany, and Italy
12. Report: Prussia*
13. The Ottoman Empire
14. Quiz 3: Austria, Germany, Italy, and the Ottoman Empire
15. Special Project*
16. Test: Growth of World Empires
17. Alternate Test: Growth of World Empires*
18. Glossary and Credits

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World History

## Unit 6: The Age of Revolution

**Assignments**

1. English Revolution: Divine Right (Cavaliers)
2. English Revolution: Divine Right (Roundheads)
3. English Revolution: People's Choice
4. Quiz 1: English Revolution
5. American Revolution: British Background
6. Report: Boston Tea Party*
7. American Revolution: American Frontier
8. Report: 1770s Colonist*
9. Report: Constitution
10. Quiz 2: American Revolution
11. French Revolution: Old Regime
12. French Revolution: New Leadership
13. Report: Napoleon*
14. Report: Napoleon and Modern Society
15. Quiz 3: French Revolution
16. Special Project*
17. Test: The Age of Revolution
18. Alternate Test: The Age of Revolution*
19. Glossary and Credits

World History

## Unit 7: The Industrial Revolution

**Assignments**

1. England: Sparks of Preparation
2. England: Fires of Continuation
3. Quiz 1: Industrial Revolution in England
4. United States: Industrial Climate
5. United States: Industrial Progress
6. Report: Industrial Revolution Biography
7. Quiz 2: Industrial Revolution in the United States
8. Social Changes: Negative Drawbacks
9. Social Changes: Positive Contributions
10. Report: Socialism or Free Enterprise
11. Quiz 3: Social Changes of the Industrial Revolution
12. Special Project*
13. Test: The Industrial Revolution
14. Alternate Test: The Industrial Revolution*
15. Glossary and Credits

World History

## Unit 8: Two World Wars

**Assignments**

1. World War I: Mounting Tensions
2. World War I: Erupting Conflicts
3. World War I: Counter-Aggression
4. Quiz 1: World War I
5. The Russian Revolution: 1905
6. The Russian Revolution: 1917
7. Peace Initiative
8. Post-War Attitudes
9. Report: Comfort in the Depression*
10. Power Quests
11. Military Aggression
12. Quiz 2: Between the Wars
13. World War II: Battle Fronts
14. Report: Allied Battle Strategy
15. World War II: Battles in the Pacific
16. Peace Efforts
17. Unification
18. Report: Twentieth Century
19. Quiz 3: World War II
20. Special Project*
21. Test: A Revolution and Two World Wars
22. Alternate Test: A Revolution and Two World Wars*
23. Glossary and Credits

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World History

**Unit 9: The Contemporary World**

**Assignments**

1. Origins of the Cold War
2. United Nations and the Marshall Plan
3. Report: The United Nations
4. The Course of the Cold War
5. The Vietnam War and Invasions
6. The End of the Cold War
7. Report: The Cold War
8. Quiz 1: The Cold War
9. North America
10. Central America and the Caribbean Islands
11. Report: Central American Governments*
12. South America
13. Quiz 2: The Western Hemisphere Today
14. Europe
15. Africa
16. Asia
17. The Far East and Australia
18. Quiz 3: The Eastern Hemisphere Today
19. Special Project*
20. Test: The Contemporary World
21. Alternate Test: The Contemporary World*
22. Glossary and Credits

World History

**Unit 10: Ancient Times to the Present**

**Assignments**

1. Ancient Civilizations
2. Greeks, Romans, and Other Ancient Cultures
3. Medieval Times: Invasions and Feudalism
4. Medieval Culture and the Church
5. Quiz 1: Ancient Civilizations and Medieval Times
6. Politics of the Renaissance
7. Art and Sciences of the Renaissance
8. The Reformation
9. Absolutism
10. Exploration
11. Quiz 2: The Renaissance and Reformation
12. The Modern World: Revolutions
13. The Industrial Revolution
14. Two World Wars and Attempts at Peace
15. Current Events
16. Quiz 3: The Modern World
17. Special Project*
18. Test: Ancient Times to the Present
19. Alternate Test: Ancient Times to the Present*
20. Glossary and Credits

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# American History

American History continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course covers early American exploration to the present day, placing special emphasis on the politics of the 18th and early 19th centuries and the Civil War. These areas of focus target three major content strands: History, Geography, and Government and Citizenship.

Upon completion of the course, students should be able to do the following:

- Understand how conflict between the American colonies and Great Britain led to American independence.
- Understand political, economic, and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution.
- Explain how political, economic, and social changes in the U.S. led to conflict among sections of the United States in the 19th century.
- Describe the causes and effects of the Civil War and its aftermath.
- Describe the causes and effects of both World Wars.
- Understand some of the key challenges facing American society in the late 20th and early 21st centuries.

Additionally, students will gain practice in writing essays and reports, covering topics like the Monroe Doctrine, the states' rights debate, the Lincoln-Douglas debates, isolationism, the New Deal, the Korean conflict, and more.

American History

**Unit 1: Foundations of the American Republic**

**Assignments**

1. Course Overview
2. Revival of Trade and Commerce
3. New Ideas and Religious Changes
4. Quiz 1: Foundation of the American Republic
5. Colonization Begins in the New World
6. Project: Jamestown*
7. Puritan Background and Plymouth Settlement
8. Puritan Migration and the Settlement of New England
9. Quiz 2: Colonization Begins
10. The Middle Colonies
11. The Southern Colonies
12. Growth of the Colonies
13. Quiz 3: Middle and Southern Colonies
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

American History

**Unit 2: Development of Constitutional Government**

**Assignments**

1. Relations with England
2. French and Indian War
3. Colonial Resistance
4. Quiz 1: Relations with England
5. Second Continental Congress
6. Opposition and Aid
7. War in the South and West
8. Quiz 2: The Revolutionary War
9. Birth of a Nation
10. Articles of Confederation
11. Constitution of the United States
12. Essay: Constitutional Republic
13. Quiz 3: Birth of a Nation
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

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American History

## Unit 3: National Expansion

**Assignments**

1. Federal Government
2. First Political Parties
3. Essay: Responsibilities*
4. Quiz 1: Ship of State
5. The Revolution of 1800
6. The War of 1812
7. Quiz 2: Revolution of 1800 and War of 1812
8. Nationalism and the Monroe Administration
9. Essay: Foreign Policy
10. Sectionalism and the Jackson Administration
11. Essay: Missouri Compromise*
12. Quiz 3: Nationalism and Sectionalism
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

American History

## Unit 4: A Nation Divided

**Assignments**

1. The Emergence of Sectionalism
2. Project: Leaders of the States' Rights Debate
3. The Division of Land
4. The Establishment of New Territory
5. The Division of the People
6. Essay: Lincoln/Douglas Debates
7. Quiz 1: The Emergence of Sectionalism
8. The Emergence of Slavery
9. Essay: Free-born Residents*
10. The Politics of Slavery
11. Essay: Escaped Slave*
12. Report: Slave Codes
13. Quiz 2: The Emergence of Slavery
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

American History

## Unit 5: A Nation Divided and United

**Assignments**

1. Regional Lifestyles: The East and West
2. Regional Lifestyles: The South
3. Quiz 1: Regional Lifestyles
4. Civil War: Division and Antagonism
5. Essay: The Trent Affair
6. Civil War: Union Blockade and Hostilities
7. The Civil War: Final Phase
8. Quiz 2: Civil War
9. Reconstruction
10. Report: Reconstruction Scandals
11. Quiz 3: Reconstruction
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

American History

## Unit 6: United States Involvement at Home and Abroad

**Assignments**

1. U.S. Industry: Birth and Growth
2. U.S. Industry: Economic Expansion
3. Quiz 1: Industrial Growth in the United States
4. Industrial Lifestyle: Trends
5. Industrial Lifestyle: Labor Movement
6. Quiz 2: Industrial Lifestyle
7. Foreign Policy: Isolationism
8. Essay: Seward's Proposal
9. Foreign Policy: International Realism
10. Essay: Isolation and Involvement
11. Quiz 3: Foreign Policy
12. March Toward Conflict: Causes
13. March Toward Conflict: Factions
14. Quiz 4: March Toward Conflict
15. Special Project*
16. Test
17. Alternate Test*
18. Reference

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American History

## Unit 7: The Search for Peace

**Assignments**

1. The First Global Conflict
2. A Plan For Peace
3. Report: A Just Peace*
4. Quiz 1: The Great War and Its Aftermath
5. The Golden Twenties
6. Quiz 2: The Golden Twenties
7. The Great Depression
8. Essay: Foreign Policy
9. Quiz 3: The Great Depression
10. The New Deal
11. Essay: New Deal*
12. Quiz 4: The New Deal
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

American History

## Unit 8: A Nation at War

**Assignments**

1. World War II: Causes of the War
2. World War II: Theaters of Operation
3. Quiz 1: World War II
4. Communist Threat: World Unrest
5. Korean Conflict: The Cold War Becomes Hot
6. Report: Containment Policy
7. Quiz 2: Korean Conflict
8. Vietnam: Fighting Communism in S.E. Asia
9. Vietnam: Withdrawal by the United States
10. Report: Biography*
11. Quiz 3: Vietnam Conflict
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

American History

## Unit 9: Contemporary America

**Assignments**

1. America in the 1960s: Part 1
2. Report: Kennedy Assassination
3. Report: I Have a Dream*
4. America in the 1960s: Part 2
5. The International Scene of the 1960s
6. Quiz 1: America in the 1960s
7. America in the 1970s: Part 1
8. America in the 1970s: Part 2
9. The International Scene of the 1970s
10. Quiz 2: America in the 1970s
11. America in the 1980s and 1990s: Part 1
12. America in the 1980s and 1990s: Part 2
13. America in a New Century
14. Quiz 3: America in the 1980s and 1990s
15. The International Scene - 1980-Present: Part 1
16. The International Scene - 1980-Present: Part 2
17. Our Nation Saw Evil. . .
18. America's Department of Homeland Security*
19. Report: Department of Homeland Security*
20. Terrorism Has a Name: Bin Laden
21. Quiz 4: The International Scene 1980-1995
22. Special Project*
23. Test
24. Alternate Test*
25. Reference

American History

## Unit 10: United States History Review

**Assignments**

1. Changes in Europe
2. Early Colonization
3. Quiz 1: Europe and the American Colonies
4. Rising Tensions in the Colonies
5. Second Continental Congress
6. Colonial Government
7. Quiz 2: The American Revolution
8. United States of the 1800s
9. Jackson Era
10. Report: Regional Lifestyles
11. Report: Sectionalism and Slavery*
12. Civil War
13. Reconstruction of the South
14. Quiz 3: United States of the 1800's
15. Industrialization of the United States
16. Essay: Roosevelt's New Deal
17. World War I
18. Quiz 4: Industrialization of the United States
19. The United States: From World War II to Vietnam
20. Essay: Vietnam War*
21. From John F. Kennedy to Gerald R. Ford
22. Essay: President Kennedy
23. From Jimmy Carter to George W. Bush
24. Quiz 5: Current History of the United States
25. The '80s and Beyond
26. Quiz 6: The 80s and 90s
27. Special Project*
28. Test
29. Alternate Test*
30. Reference

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# Government and Economics

Government and Economics continues the process of developing in students an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course focuses on two major areas: Government, with special emphasis on American government, and Economics, with special emphasis on personal finance. These areas of focus target three major content strands: History, Government and Citizenship, and Economics.

Upon completion of the course, students should be able to do the following:

- Understand the basics of various philosophies of government.
- Understand the structure and functions of government and how the principles and values of American democracy (e.g., limited government and popular sovereignty) are reflected in American constitutional government.
- Understand how the overall design, as well as specific features of the U.S. Constitution prevent the abuse of power by using a system of checks and balances (e.g., federalism).
- Understand the role of political parties, the media, and the public on the political process.
- Know the characteristics of different economic systems (e.g., capitalism, mixed economy, communism).
- Understand basic terms associated with economic performance and the state of the economy (e.g., supply and demand, inflation, monopoly).

Additionally, students will gain practice in writing essays and reports, covering topics like elected officials, the Supreme Court, Christians in politics, on-line banking, the euro, and more.

Government and Economics

**Unit 1: International Governments**

**Assignments**

1. Course Overview
2. Why Have Governments?
3. Types of Governments
4. A List of Government Terms
5. Quiz 1: Government
6. Presidential Governments
7. Parliamentary Governments
8. Quiz 2: Forms of Government
9. One-Party and Multiparty Governments
10. Aquinas, Aristotle, and Engels
11. Machiavelli, Marx, and Milton
12. Report: Governmental Officials
13. Quiz 3: Political Thinkers
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

Government and Economics

**Unit 2: United States Government**

**Assignments**

1. United States Constitution
2. The Bill of Rights
3. States' Rights and Responsibilities
4. Quiz 1: United States Government
5. Executive Branch
6. Judicial Branch
7. Report: Supreme Court
8. Legislative Branch
9. Quiz 2: Branches of Government
10. How a Bill Becomes Law: Part 1
11. How a Bill becomes Law: Part 2
12. Quiz 3: How a Bill Becomes Law
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

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Government and Economics

## Unit 3: The American Party System

**Assignments**

1. The American Party System
2. Development of American Political Parties
3. Republican and Third Parties
4. Report: The American Party System
5. Quiz 1: The American Party System
6. How Do You Form a Political Party?
7. Organization of a Political Party
8. Nominations and Elections
9. Quiz 2: Political Parties
10. Making Voting More Effective
11. Voting in Elections
12. Quiz 3: Voting
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Government and Economics

## Unit 4: History of Governments

**Assignments**

1. A Primitive Government Primer
2. Beginning of Democracy: Ancient Greece
3. Ancient Roman Government
4. Quiz 1: A Primitive Government Primer
5. Feudalism
6. Report: Feudalism
7. Theocracy
8. Democracy
9. Quiz 2: Feudalism, Theocracy, and Democracy
10. Fascism
11. Nazism
12. Quiz 3: Fascism and Nazism
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

Government and Economics

## Unit 5: The Christian and His Government

**Assignments**

1. The Christian and American Government
2. Discrimination and the Christian
3. Christian Attitudes in American Society
4. Quiz 1: The Christian and Government
5. The Christian and Public Opinion
6. The Christian and Media
7. Quiz 2: Christian Attitudes and Public Polls
8. Can I Get Involved in Politics?
9. The Good and the Bad of Propaganda
10. Quiz 3: Involvement in Politics and the Community
11. Report: The Christian and His Government
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

Government and Economics

## Unit 6: Free Enterprise

**Assignments**

1. Economics
2. Economic Terms
3. How Does an Economy Grow?
4. Quiz 1: Economics
5. A Guide to Learning World Financial Terms
6. Unions and Labor
7. Money: Its Use Through History
8. Quiz 2: Finance and Labor
9. International Finance
10. U.S. Currency in History
11. Quiz 3: Currency and Reserves
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

Government and Economics

## Unit 7: Business and You

**Assignments**

1. Running a Business
2. Caveat Emptor
3. Government and Business
4. Quiz 1: Business and the Consumer
5. Federal Reserve System
6. Monopolies
7. Quiz 2: Business and You
8. Deregulation
9. Bankruptcy
10. Quiz 3: Business Concerns - Deregulation and Bankruptcy
11. Report: Business and You
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

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Government and Economics

## Unit 8: The Stock Market

**Assignments**

1. The Stock Market: How It Started
2. The Stock Market: How It Works
3. Selling, Buying, and Brokers
4. Quiz 1: The Stock Market
5. Selecting Stocks
6. What Causes the Stock Market to Crash?
7. Quiz 2: Selecting Stocks
8. Types of Stocks
9. Tracking Stocks in the Newspaper
10. Quiz 3: Types of Stocks
11. Report: Stock Market Investing
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

Government and Economics

## Unit 9: Budget and Finance

**Assignments**

1. Your Personal Finances
2. Spend Your Money Wisely
3. Checking Accounts
4. College Grants and Loans
5. Quiz 1: Your Personal Finances
6. IRA Accounts
7. Buying a Car
8. Quiz 2: Savings and Loans and Credit Unions
9. Report: Banking
10. Special Project*
11. Test
12. Alternate Test*
13. Reference

Government and Economics

## Unit 11: International Issues

**Assignments**

1. World of the Euro
2. Report: The Euro and Its Impact
3. Centers of International Finance
4. Quiz 1: Euro and International Finance
5. The Global Traveler
6. U.S. States and Capital Cities (1)
7. U.S. States and Capital Cities (2)
8. Quiz 2: U.S States, Capital Cities, and the Global Traveler
9. Close Trading Partners
10. The Holy Land and Current Issues
11. Christian Heroes and Their Lands
12. Report: Israel
13. Quiz 3: Neighbors, Heroes, and the Holy Land
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

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# English Language Arts

## Language Arts 300

Language Arts 300 focuses on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Unit 1:** Understand and recognize rules for capitalization and vowels, as well as identifying a main idea.
- **Unit 2:** Write complete sentences with proper capitalization and organize words into alphabetical order.
- **Unit 3:** Apply understanding of dictionary use, identifying word parts, and defining vocabulary.
- **Unit 4:** Differentiate parts of speech, irregular vowel sounds, as well as practicing reading comprehension strategies.
- **Unit 5:** Use commas properly and recognize words with silent letters.
- **Unit 6:** Identify cause and effect in a passage, recognize homographs, and read and understand Haiku poetry.
- **Unit 7:** Use suffixes and pronouns to improve writing such as friendly letters, as well as applying strategies for following directions.
- **Unit 8:** Read and describe parts of a play and recognize root words and adjectives that compare.
- **Unit 9:** Apply reading strategies of classifying, references, and predictions, as well as write thank-you letters.

Language Arts 300

**Unit 1: Vowels, Main Idea, Capitalization**

**Assignments**

1. Course Overview
2. Language Arts Symbols
3. Spelling with Short Vowels
4. Quiz 1
5. Spelling Quiz 1
6. Reading to Find the Main Idea
7. Project: Book Report*
8. Project: Learning a New Language*
9. Spelling with Short Vowels
10. Quiz 2
11. Spelling Quiz 2
12. Grammar: Complete Sentences; Capitalization
13. Quiz 3
14. Grammar: Punctuation
15. Spelling with Silent Letters
16. Quiz 4
17. Spelling Quiz 3
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

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Language Arts 300

## Unit 2: Sentences, Capitalization, ABC Order

**Assignments**

1. Grammar: Sentence Sense; Capital Letters (1)
2. Project: Book Report—Poetry*
3. Spelling with Long Vowels
4. Quiz 1
5. Spelling Quiz 1
6. Grammar: Capital Letters (2)
7. Reading Comprehension
8. Spelling Words That Sound or Look Alike
9. Quiz 2
10. Spelling Quiz 2
11. Grammar: Alphabetical Order
12. Spelling with Silent E
13. Quiz 3
14. Spelling Quiz 3
15. Spelling with Vowel Pairs
16. Writing a Story
17. Quiz 4
18. Spelling Quiz 4
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Language Arts 300

## Unit 3: Dictionary Skills, Word Parts, Vocabulary

**Assignments**

1. Grammar: Using the Dictionary
2. Project: Making Your Own Dictionary*
3. Grammar: Capital Letters (1)
4. Spelling with r-Controlled Vowels
5. Quiz 1
6. Spelling Quiz 1
7. Grammar: Word Parts (1)
8. Grammar: Word Parts (2)
9. Spelling with ar
10. Quiz 2
11. Spelling Quiz 2
12. Grammar: Antonyms
13. Reading: Vocabulary
14. Project: Book Report--Folk Tales*
15. Spelling Antonym Pairs
16. Quiz 3
17. Spelling Quiz 3
18. Grammar: Capital Letters (2)
19. Grammar: Synonyms
20. Project: Writing a Story about Pets*
21. Spelling with or
22. Quiz 4
23. Spelling Quiz Four
24. Special Project*
25. Review Game
26. Test
27. Alternate Test*
28. Reference

Language Arts 300

## Unit 4: Parts Of Speech, Irregular Vowels, Comprehension

**Assignments**

1. Grammar: Nouns
2. Grammar: Adjectives
3. Spelling Words with Irregular Vowel Sounds
4. Quiz 1
5. Spelling Quiz 1
6. Grammar: Verbs
7. Grammar: Adverbs
8. Spelling with w-controlled Vowels
9. Quiz 2
10. Spelling Quiz 2
11. Grammar: Punctuation Marks
12. Grammar: Using Capital Letters
13. Grammar: Using the Dictionary
14. Quiz 3
15. Grammar: Reviewing Words and Word Parts
16. Reading: A Big Surprise
17. Project: Gideon Today
18. Project: Book Report: Biography*
19. Spelling with y as a Vowel
20. Quiz 4
21. Spelling Quiz 3
22. Special Project*
23. Review Game
24. Test
25. Alternate Test*
26. Reference

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Language Arts 300

## Unit 5: Reading to Understand, Commas, Silent Letters

**Assignments**

1. Reading (1)
2. Grammar: Review
3. Project: Vowels*
4. Spelling with Different Vowel Sounds
5. Quiz 1
6. Spelling Quiz 1
7. Reading: Comprehension
8. Reading: Story Elements
9. Project: Book Report--Animal Stories*
10. Spelling with Silent gh
11. Quiz 2
12. Spelling Quiz 2
13. Grammar: Reviewing Capital Letters
14. Grammar: Punctuation Marks
15. Spelling with Suffixes
16. Quiz 3
17. Spelling Quiz 3
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

Language Arts 300

## Unit 6: Cause and Effect, Homographs, Haiku Poetry

**Assignments**

1. Character/Main Idea/Details in a Parable
2. Spelling with -eer and -ion
3. Quiz 1
4. Spelling Quiz 1
5. Grammar: Capitalizing Titles; Using Commas
6. Spelling with the Letter G
7. Quiz 2
8. Spelling Quiz 2
9. Sequence/Cause and Effect/Responding to a Parable
10. Spelling Plurals or Words with -air
11. Quiz 3
12. Spelling Quiz 3
13. Reading: Haiku Poetry, Homographs
14. Project: Book Report--Haiku Poetry*
15. Project: Haiku Poetry
16. Spelling with -ei and -ie
17. Quiz 4
18. Spelling Quiz 4
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Language Arts 300

## Unit 7: Following Directions, Suffixes, Pronouns, Friendly Letters

**Assignments**

1. Reading for Main Idea
2. Grammar: Noun Review
3. Grammar: Singular and Plural Nouns (1)
4. Grammar: Singular and Plural Nouns (2)
5. Extra Practice: Singular and Plural Nouns*
6. Spelling Compound Words
7. Quiz 1
8. Spelling Quiz 1
9. Reading: Follow Directions/ Fact or Fiction
10. Project: Following Directions*
11. Spelling with Suffixes (1)
12. Quiz 2
13. Spelling Quiz 2
14. Grammar: Pronouns
15. Grammar: Suffixes -er, -est
16. Spelling with Suffixes (2)
17. Quiz 3
18. Spelling Quiz 3
19. Composition: Friendly Letters
20. Essay: Writing a Friendly Letter
21. Spelling General Words
22. Quiz 4
23. Spelling Quiz Four
24. Special Project*
25. Review Game
26. Test
27. Alternate Test*
28. Reference

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Language Arts 300

## Unit 8: Reading a Play, Comparing with Adjectives, Root Words

**Assignments**

1. Reading for Sequence
2. Grammar: Adjective Review
3. Spelling with -le
4. Quiz 1
5. Spelling Quiz 1
6. Reading for Details
7. Grammar: Comparing with Adjectives (1)
8. Grammar: Comparing with Adjectives (2)
9. Extra Practice: Comparing with Adjectives*
10. Spelling Compound Words
11. Quiz 2
12. Spelling Quiz 2
13. Reading a Play
14. Grammar: Action Verbs
15. Grammar: State-of-Being Verbs
16. Spelling Root Words
17. Quiz 3
18. Spelling Quiz 3
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Language Arts 300

## Unit 9: Classifying, References, Thank-You Letters, Predicting Outcomes

**Assignments**

1. Reading to Classify
2. Grammar: Adverbs
3. Spelling with Prefixes
4. Quiz 1
5. Spelling Quiz 1
6. Reading for Information
7. Project: Book Report—Nonfiction*
8. Composition: Thank-you Letters
9. Project: Writing a Thank-you Letter
10. Spelling with Suffixes
11. Quiz 2
12. Spelling Quiz 2
13. Reading to Predict Outcome
14. Using Reference Books
15. Spelling with the Suffix -teen
16. Quiz 3
17. Spelling Quiz 3
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

Language Arts 300

## Unit 10: Review

**Assignments**

1. Reading: Sequence and Context Clues
2. Grammar: Vowels
3. Grammar: Using Sentences Correctly
4. Quiz 1
5. Grammar: Punctuation
6. Grammar: Capitalizing Words
7. Quiz 2
8. Reading: Main Ideas; Cause and Effect
9. Grammar: Parts of Speech Review
10. Composition: Writing Letters
11. Project: Writing Letters
12. Quiz 3
13. Reading Fiction and Nonfiction
14. Project: Book Report--Historical Fiction*
15. Grammar: Alphabetical Order
16. Project: Writing Paragraphs
17. Quiz 4
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

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# Language Arts 400

Language Arts 400 focuses on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Unit 1:** Apply skills for reading fluency and writing a report.
- **Unit 2:** Read for meaning in instructions, poetry, and fictional stories.
- **Unit 3:** Identify word parts and types such as prefixes, suffixes, synonyms, and antonyms.
- **Unit 4:** Identify parts of speech and types of sentences.
- **Unit 5:** Use reading strategies to understand a passage and write cohesive paragraphs.
- **Unit 6:** Explain characteristics of strong poetry and research-based reports.
- **Unit 7:** Differentiate forms of literature including fables, tall tales, and biographies.
- **Unit 8:** Analyze literature for language use.
- **Unit 9:** Plan, organize, and write a research-based report.

Language Arts 400

**Unit 1: Reading and Writing**

**Assignments**

1. Course Overview
2. Joey and the Sad Tree (Part One)
3. Sources of English Words
4. Spelling Lesson 1
5. Quiz 1
6. Spelling Quiz One
7. Joey and the Sad Tree (Part Two)
8. Reading Fluency
9. Spelling Lesson 2: R-controlled Vowels
10. Quiz 2
11. Spelling Quiz Two
12. Study Skills
13. Spelling Lesson 3: The Vowel O
14. Quiz 3
15. Spelling Quiz Three
16. Writing a Report
17. Essay: Outline and Report
18. Spelling Lesson 4: Vowel Combinations
19. Quiz 4
20. Spelling Quiz Four
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

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Language Arts 400

## Unit 2: Reading for Meaning

**Assignments**

1. Kippy the Kiwi
2. Essay: Envying Others
3. Sound Study
4. Following Instructions
5. Spelling Lesson 1: Suffixes
6. Quiz 1
7. Spelling Quiz One
8. Greedy, Selfish, and Honor
9. Dictionary Skills
10. Spelling Lesson 2
11. Quiz 2
12. Spelling Quiz Two
13. Haiku Poems
14. Haiku Poetry Composition
15. Project: Book Report--Haiku Poetry*
16. Spelling Lesson 3: Suffixes
17. Quiz 3
18. Spelling Quiz Three
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Language Arts 400

## Unit 3: Word Play

**Assignments**

1. Why William Was Thankful
2. Root Words, Prefixes and Suffixes (1)
3. Root Words, Prefixes and Suffixes (2)
4. Spelling Lesson 1
5. Quiz 1
6. Spelling Quiz One
7. Candy Bars
8. Homonyms
9. Spelling Lesson 2: Homonyms
10. Quiz 2
11. Spelling Quiz Two
12. Poetic Expressions
13. Synonyms and Antonyms
14. Spelling Lesson 3: Synonyms
15. Quiz 3
16. Spelling Quiz Three
17. More About Poetry
18. Project: Book Report—Poetry*
19. Spelling Lesson 4: Antonyms
20. Quiz 4
21. Spelling Quiz Four
22. Special Project*
23. Review Game
24. Test
25. Alternate Test*
26. Reference

Language Arts 400

## Unit 4: Words in Season

**Assignments**

1. Heidi
2. Nouns and Verbs
3. Adjectives
4. Adjectives That Compare
5. Possessive Words
6. Spelling Lesson 1: Possessive Pronouns
7. Quiz 1
8. Spelling Quiz One
9. Fiction and Nonfiction
10. Project: Book Report—Fiction*
11. Kinds of Sentences
12. Spelling Lesson 2: Suffixes
13. Quiz 2
14. Spelling Quiz Two
15. Following Directions; Writing Invitations
16. Adverbs
17. Spelling Lesson 3: Adverbs
18. Quiz 3
19. Spelling Quiz Three
20. Writing Study Notes
21. Subject-Verb Agreement; Verb Tense
22. Spelling Lesson 4
23. Quiz 4
24. Spelling Quiz Four
25. Special Project*
26. Review Game
27. Test
28. Alternate Test*
29. Reference

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Language Arts 400

## Unit 5: Reading and Writing Stories

**Assignments**

1. Reading Skills (1)
2. Paragraphs
3. Essay: Writing Paragraphs
4. Spelling Lesson 1: Prefixes
5. Quiz 1
6. Spelling Quiz One
7. Reading Skills (2)
8. Capital Letters
9. Spelling Lesson 2: Contractions
10. Quiz 2
11. Spelling Quiz Two
12. The Hobby of Stamp Collecting
13. Punctuation Marks
14. Spelling Lesson 3: Prefixes
15. Quiz 3
16. Spelling Quiz Three
17. Writing Stories
18. Essay: Writing a Story
19. Spelling Lesson 4: Silent Letters and Unusual Vowels
20. Quiz 4
21. Spelling Quiz Four
22. Special Project*
23. Review Game
24. Test
25. Alternate Test*
26. Reference

Language Arts 400

## Unit 6: Rhymes and Reports

**Assignments**

1. Fact and Opinion
2. Book Reports
3. Essay: Writing a Summary
4. Project: Book Report: Nonfiction*
5. Spelling Lesson 1: Months and Abbreviations
6. Quiz 1
7. Spelling Quiz One
8. Following Directions in Parables and Fables
9. Essay: Paraphrasing Parables
10. Spelling Lesson 2: Suffixes
11. Quiz 2
12. Spelling Quiz Two
13. Poetry Review
14. Characteristics of Poetry
15. Analyzing Poetry
16. Essay: Four Line Poem
17. Spelling Lesson 3: Days of the Week; Hyphenated Words
18. Quiz 3
19. Spelling Quiz Three
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

Language Arts 400

## Unit 7: Forms of Literature

**Assignments**

1. Biography
2. Project: Book Report—Biography*
3. Exploring Nouns
4. Exploring Singular and Plural Nouns
5. Spelling Lesson 1: Two-Syllable Words
6. Quiz 1
7. Spelling Quiz One
8. Fables
9. Essay: Writing a Fable
10. Exploring Verbs
11. Spelling Lesson 2: Words with Open Syllables
12. Quiz 2
13. Spelling Quiz Two
14. Tall Tales
15. Essay: Tall Tale
16. Project: Book Report: Folk Tales*
17. Exploring Verbs (2)
18. Spelling Lesson 3: More Words With Two Syllables
19. Quiz 3
20. Spelling Quiz Three
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

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Language Arts 400

## Unit 8: Language in Literature

**Assignments**

1. Reading (1)--On the Farm
2. Adjectives
3. Spelling Lesson 1: CVR/VC Words
4. Quiz 1
5. Spelling Quiz One
6. Reading: The Power of God's Word
7. Adjectives That Compare
8. Adverbs
9. Spelling Lesson 2: Words with Digraphs
10. Quiz 2
11. Spelling Quiz Two
12. Reading: The Early Olympic Games
13. Essay: The Olympic Games*
14. Figurative Language
15. Paragraph Writing
16. Essay: Narrative Writing
17. Essay: Descriptive Paragraph*
18. Spelling Lesson 3: Silent Letters; Compound Words with Suffixes
19. Quiz 3
20. Spelling Quiz Three
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

Language Arts 400

## Unit 9: Reading and Researching

**Assignments**

1. Reasons for Reading
2. Reading Skills (1)
3. Project: The Navajo*
4. Spelling Lesson 1: Words that End with -le
5. Quiz 1
6. Spelling Quiz One
7. A Little Salt, Please
8. Reading Skills (2)
9. Project: Salt in the Bible*
10. Project: Book Report--Historical Fiction*
11. Spelling Lesson 2: Two Syllable Words
12. Quiz 2
13. Spelling Quiz Two
14. Planning a Report
15. Finding Information
16. Taking Notes and Making an Outline
17. Project: Report Part One
18. Writing a Report
19. Project: Report Part Two
20. Project: Report Part Three
21. Spelling Lesson 3: Prefixes and Suffixes
22. Quiz 3
23. Spelling Quiz Three
24. Special Project*
25. Review Game
26. Test
27. Alternate Test*
28. Reference

Language Arts 400

## Unit 10: Review

**Assignments**

1. Lost (Parts One and Two)
2. Thinking About What You Read
3. Quiz 1
4. Using a Dictionary
5. Working with Nouns, Adjectives, and Adverbs
6. Verbs of Action or Being
7. Word Parts and Word Play
8. Punctuating Correctly
9. Quiz 2
10. Study Skills and Note Taking
11. Recognizing Literary Forms
12. Quiz 3
13. Essay: Narrative or Descriptive Writing Review
14. Essay: Writing a Letter Review*
15. Report: Book Report*
16. Report: Writing a Report Review*
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

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# Language Arts 500

Language Arts 500 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Unit 1:** Understanding main ideas and the author's message through vocabulary.
- **Unit 2:** Reading stories and poetry to review comprehension skills, mood, and compound words.
- **Unit 3:** Exploring parts of speech and language including prefixes, suffixes, homonyms, and idioms.
- **Unit 4:** Applying strategies for effective communication in writing and speech.
- **Unit 5:** Reading and writing stories efficiently including use of dialogue.
- **Unit 6:** Identifying characteristics of different types of poetry.
- **Unit 7:** Exploring reading passages and applying knowledge of story parts and language.
- **Unit 8:** Using language effectively to describe and compare.
- **Unit 9:** Planning, drafting, and editing a research-based report.

Language Arts 500

**Unit 1: Jesus, Our Example**

**Assignments**

1. Course Overview
2. The Author's Message
3. Project: Finding the Topic
4. Vowel Diphthong Design
5. Spelling Lesson 1: Vowel Diphthongs
6. Quiz 1
7. Spelling Quiz 1
8. Narrative Elements
9. Vocabulary Study: Dictionary Respellings
10. Spelling Lesson 2: Vowel Digraphs
11. Quiz 2
12. Essay: Using Spelling Words*
13. Spelling Quiz 2
14. Communicating with Handwriting
15. Spelling Lesson 3: Silent e
16. Quiz 3
17. Spelling Quiz 3
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

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Language Arts 500

## Unit 2: Working with Information

**Assignments**

1. The Author of the Story
2. Reading an Excerpt: CALL IT COURAGE
3. Project: Outline - The Polynesian People*
4. Compound Words and Hyphens
5. Spelling Lesson 1: Compound Words
6. Quiz 1
7. Spelling Quiz 1
8. Finding Main Ideas (1)
9. Finding Main Ideas (2)
10. Spelling Lesson 2: Spelling Troublemakers
11. Quiz 2
12. Spelling Quiz 2
13. Mood
14. Poetry
15. Contractions
16. Spelling Lesson 3: Contractions
17. Quiz 3
18. Spelling Quiz 3
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Language Arts 500

## Unit 3: The Story of Our Language

**Assignments**

1. In the Beginning
2. Word Study
3. Spelling Lesson 1: Words with Many Syllables
4. Quiz 1
5. Quiz: Spelling 1
6. Abused Language in the Garden
7. Prefixes and Suffixes
8. Phrases, Adjectives, and Adverbs
9. Spelling Lesson 2: Silent Letters
10. Quiz 2
11. Quiz: Spelling 2
12. Anglo-Saxon Literature; Author's Purpose
13. Middle and Modern English
14. Homonyms, Idioms, and Abbreviations
15. Essay: Descriptive Story
16. Spelling Lesson 3: Antonyms
17. Quiz 3
18. Quiz: Spelling 3
19. Project: Book Report—Nonfiction*
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

Language Arts 500

## Unit 4: Effective Communication

**Assignments**

1. Main Idea and Supporting Details
2. Sentence Patterns; Speaking Courteously
3. Spelling Lesson 1: Silent Letters
4. Quiz 1
5. Spelling Quiz 1
6. Sensible Sentences
7. Essay: Pollution
8. Reading Skills
9. Spelling Lesson 2: Same Sounds, Different Letters
10. Quiz 2
11. Spelling Quiz 2
12. Essay: Robin Hood
13. The Written Report (1)
14. Project: Taking Notes
15. The Written Report (2)
16. Project: Outline
17. Essay: Report
18. Spelling Lesson 3: Homonyms
19. Quiz 3
20. Spelling Quiz 3
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

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Language Arts 500

## Unit 5: Reading and Writing Stories

**Assignments**

1. Reading a Story
2. Essay: Writing a Summary
3. Judging the Value of a Story
4. Project: Book Report--Historical Fiction*
5. Spelling Lesson 1: Suffixes
6. Quiz 1
7. Spelling Quiz 1
8. Mastering Dialogue
9. Project: Making Conversation
10. Project: Seed Ideas*
11. Writing Better Sentences
12. Spelling Lesson 2: Ordinal Numbers; Suffix -ism
13. Quiz 2
14. Spelling Quiz 2
15. Story Writing
16. Essay: Short Story
17. Spelling Lesson 3: Prefixes
18. Quiz 3
19. Spelling Quiz 3
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

Language Arts 500

## Unit 6: Poetry

**Assignments**

1. Reading Story Poems
2. Enjoying Poetry
3. Project: Working with Rhythm
4. Spelling Lesson 1: Suffixes
5. Quiz 1
6. Spelling Quiz 1
7. Reading Humorous Poems
8. Playing with Words
9. Project: Book Report—Poetry*
10. Spelling Lesson 2: Suffixes
11. Quiz 2
12. Spelling Quiz 2
13. Reading Inspirational Poems
14. Poetic Ideas and Devices
15. Writing Poetry
16. Project: Pen Pictures and Couplets
17. Project: Free Verse Prayer
18. Project: Poetry Book*
19. Spelling Lesson 3: Plurals
20. Quiz 3
21. Spelling Quiz 3
22. Special Project*
23. Review Game
24. Test
25. Alternate Test*
26. Reference

Language Arts 500

## Unit 7: Reading Comprehension

**Assignments**

1. Cause and Effect
2. From GULLIVER'S TRAVELS
3. Essay: Land of Lilliput
4. Spelling Lesson 1: Homonyms
5. Quiz 1
6. Spelling Project: Homonyms
7. Spelling Quiz 1
8. Reviewing Nouns
9. Singular and Plural Nouns
10. Possessive Nouns; Uses of Nouns (Case)
11. Noun Substitutes
12. Spelling Lesson 2: Words with /sh/
13. Quiz 2
14. Spelling Quiz 2
15. Judgments, Inferences, Facts, and Opinions
16. The Story of Marc
17. Spelling Lesson 3: Words with /aw/
18. Quiz 3
19. Spelling Quiz 3
20. Adjectives (1)
21. Project: Using Adjectives*
22. Adjectives (2)
23. Spelling Lesson 4: Unexpected Spellings
24. Quiz 4
25. Spelling Quiz 4
26. Special Project*
27. Review Game
28. Test
29. Alternate Test*
30. Reference

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Language Arts 500

## Unit 8: Working With Words

**Assignments**

1. Main Verbs
2. Verb Forms
3. Subject/Verb Agreement; Contractions
4. Participles
5. Spelling Lesson 1: Suffix -ure
6. Quiz 1
7. Spelling Quiz 1
8. Modifying with Adverbs
9. Changing Adjectives into Adverbs
10. Extra Practice: Using Adverbs in Writing*
11. Showing Comparisons
12. Spelling Lesson 2: Suffixes -age, -ion
13. Quiz 2
14. Spelling Quiz 2
15. Aesop and Fables
16. Essay: Fable Rewrite
17. Project: Retelling Fables*
18. Parables-Stories Jesus Told
19. Project: Parables*
20. Spelling Lesson 3: Suffixes -al, -ial, -ual
21. Quiz 3
22. Spelling Quiz 3
23. Special Project*
24. Review Game
25. Test
26. Alternate Test*
27. Reference

Language Arts 500

## Unit 9: Reading and Study Skills

**Assignments**

1. Improving Reading Fluency and Study Skills
2. A Story About Old England
3. Spelling Lesson 1: Using Syllable to Help You Spell
4. Quiz 1
5. Spelling Quiz 1
6. Using Graphic Aids; Outlining
7. A Story About Esther
8. Report: Summary of Esther
9. Project: Book Report—Biography*
10. Spelling Lesson 2: Sight Words
11. Quiz 2
12. Spelling Quiz 2
13. Reviewing Literary Forms
14. Recognizing Facts and Opinions in a Report
15. Project: Facts and Opinions Report
16. Report: Facts and Opinions
17. Spelling Lesson 3: Homonyms with Long /e/
18. Quiz 3
19. Spelling Quiz 3
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

Language Arts 500

## Unit 10: Review

**Assignments**

1. Literature
2. Project: Book Report—Fiction*
3. Project: Composition Folder*
4. Poetry
5. Project: Poetry Project
6. Using Nouns and Adjectives
7. Writing a Short Story
8. Essay: Short Story
9. Quiz 1
10. Reading Comprehension
11. Using Word Study Skills
12. Using Verbs
13. Using Adverbs
14. Quiz 2
15. Reading and Bible Study Skills
16. Types of Sentences
17. Essay: Dialogue
18. Essay: Personal Reaction
19. Quiz 3
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

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# Language Arts 600

Language Arts 600 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Unit 1:** Differentiate and identify common parts of speech.
- **Unit 2:** Use efficient grammar including punctuation, diction, capitalization, and syntax.
- **Unit 3:** Analyze something read to find vocabulary, relationships, and comparisons with context.
- **Unit 4:** Write accurately in different forms including letters and use of outside research.
- **Unit 5:** Recognize propaganda, facts, and opinions in news stories.
- **Unit 6:** Identify different forms of literature in both fiction and nonfiction.
- **Unit 7:** Establish a purpose for reading a passage and adjust reading strategies accordingly.
- **Unit 8:** Differentiate and write different forms of poetry using figurative language.
- **Unit 9:** Link bible stories and passages to different forms of traditional literature.

Language Arts 600

**Unit 1: Elements of Grammar**

**Assignments**

1. Course Overview
2. The Sentence
3. Sentence Types
4. Spelling Lesson 1
5. Quiz 1
6. Spelling Quiz 1
7. Nouns
8. Verbs
9. Spelling Lesson 2
10. Quiz 2
11. Spelling Quiz 2
12. Adjectives
13. Adverbs
14. Spelling Lesson 3
15. Quiz 3
16. Spelling Quiz 3
17. Pronouns
18. Prepositions
19. Conjunctions and Interjections
20. Quiz 4
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

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Language Arts 600

## Unit 2: Grammar Usage

**Assignments**

1. Capitalization
2. Punctuation
3. Spelling Lesson 1
4. Quiz 1
5. Spelling Quiz 1
6. Word Parts
7. Word Parts: Exercises*
8. Synonyms, Antonyms, and Idioms
9. Spelling Lesson 2
10. Quiz 2
11. Spelling Quiz 2
12. Person and Number of Verbs
13. Principal Parts of Verbs
14. Using Auxiliary Verbs
15. Spelling Lesson 3
16. Quiz 3
17. Spelling Quiz 3
18. Using Adjectives and Adverbs
19. Fragments and Run-on Sentences
20. Quiz 4
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

Language Arts 600

## Unit 3: Reading Skills

**Assignments**

1. Developing Reading Skills
2. Developing Vocabulary
3. Spelling Lesson 1: /sh/
4. Quiz 1
5. Spelling Quiz 1
6. Finding Relationships: Sequence/Cause and Effect
7. Comprehension: Distinguishing Fact from Opinion
8. Reading to Comprehend
9. Spelling Lesson 2: /sh/
10. Quiz 2
11. Spelling Quiz 2
12. Reading Critically
13. Project: Book Report: Short Story*
14. Analyzing Story Structure
15. Comparing and Contrasting Stories
16. Spelling Lesson 3: Homonyms
17. Quiz 3
18. Spelling Quiz 3
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Language Arts 600

## Unit 4: Writing Skills

**Assignments**

1. Paragraph Writing
2. Essay: Paragraph
3. Essay: Autobiography*
4. Business Letters
5. Project: Business Letter
6. Report Writing: Preparation
7. Spelling Lesson 1: Plurals
8. Quiz 1
9. Spelling Quiz 1
10. Report Writing: Researching
11. Project: Research--Taking Notes
12. Outlining
13. Project: Research--Outline
14. Spelling Lesson 2: -ing
15. Spelling Quiz 2
16. Writing the Report
17. Project: Research--Final Report
18. Spelling Lesson 3
19. Quiz 2
20. Spelling Quiz 3
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

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Language Arts 600

## Unit 5: Newspapers and Propaganda

**Assignments**

1. The Newspaper
2. Fact and Opinion in News Reports
3. Report: Newspapers Today
4. Analyzing a News Story
5. Project: News Story
6. Spelling Lesson 1: Words That Sound Alike
7. Quiz 1
8. Spelling Quiz 1
9. Propaganda
10. Project: Advertisement
11. Spelling Lesson 2
12. Spelling Quiz 2
13. Recognizing Propaganda
14. Project: Propaganda
15. Spelling Lesson 3: Plurals, Homonyms, and the /sh/ Sound
16. Spelling Quiz 3
17. Quiz 2
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

Language Arts 600

## Unit 6: Literary Forms

**Assignments**

1. Spelling Lesson 1
2. Spelling Quiz 1
3. Poetry
4. Types of Prose Fiction
5. Types of Prose Fiction (2)
6. Spelling Lesson 2
7. Quiz 1
8. Spelling Quiz 2
9. Prose Nonfiction
10. Project: Book Report: Biography*
11. Mood
12. Spelling Lesson 3
13. Quiz 2
14. Spelling Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

Language Arts 600

## Unit 7: Reading for a Purpose

**Assignments**

1. Judging a Book
2. An Author's Use of Expressive Language
3. Spelling Lesson 1
4. Quiz 1
5. Spelling Quiz 1
6. Nonfiction Comprehension Practice
7. Nonfiction: Main Idea and Supporting Details
8. Project: Outline*
9. Report: Sheepherding
10. Spelling Lesson 2
11. Quiz 2
12. Spelling Quiz 2
13. Reading for Inspiration (1)
14. Reading for Inspiration (2)
15. Essay: Lambs in the Bible
16. Spelling Lesson 3: Suffixes and the /sh/ Sound
17. Quiz 3
18. Spelling Quiz 3
19. Project: Book Report: Novel*
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

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Language Arts 600

## Unit 8: Poetry

**Assignments**

1. Characteristics of Poetry
2. Free Verse
3. Project: Youthfulness*
4. Spelling Lesson 1
5. Quiz 1
6. Spelling Quiz 1
7. Figures of Speech: Similes
8. Figures of Speech: Metaphors
9. Project: Metaphors
10. Poetic Devices
11. Essay: Invented Words
12. Spelling Lesson 2
13. Spelling Quiz 2
14. Poetic Forms (1)
15. Project: Pen Picture
16. Poetic Forms (2)
17. Project: Cinquain and Shaped Poems
18. Spelling Lesson 3
19. Quiz 2
20. Spelling Quiz 3
21. Musical Poems
22. Report: Lullabies
23. Word Play: Riddles/Conundrums
24. Limericks
25. Project: Limericks
26. Palindromes
27. Quiz 3
28. Special Project*
29. Review Game
30. Test
31. Alternate Test*
32. Reference

Language Arts 600

## Unit 9: Bible Literature

**Assignments**

1. The Bible as Literature
2. A Bible Story
3. Project: Bible Stories*
4. Parables and Proverbs
5. Spelling Lesson 1
6. Quiz 1
7. Spelling Quiz 1
8. Bible Poetry
9. Project: Psalm 19
10. Prophetic Writing
11. Spelling Lesson 2
12. Quiz 2
13. Spelling Quiz 2
14. Bible History
15. Law
16. Spelling Lesson 3
17. Quiz 3
18. Spelling Quiz 3
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Language Arts 600

## Unit 10: Review

**Assignments**

1. Patterns in Language
2. Capitalization and Punctuation
3. Quiz 1
4. Organization in Literary Forms
5. Quiz 2
6. Project: Planning and Writing a Short Story
7. Literary Forms (1)
8. Project: Fish Story*
9. Literary Forms (2)
10. Quiz 3
11. Forms of Communication
12. Project: Advertising
13. Essay: The President's Thoughts*
14. Communication: Letters and Newspapers
15. Project: Newspaper*
16. Quiz 4
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

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# Language Arts 700

Language Arts 700 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading**–develops students' reading skills, including the identification of main ideas, supporting details, and sequence; teaches students how to reach logical conclusions as well as use appropriate reading rates; shows students how to identify parts of speech in sentences, with emphasis on adjectives, adverbs, conjunctions, pronouns, and verb types; helps students develop basic literary comprehension skills through the reading of biographical and autobiographical pieces, poetry, and character analyses.

- **Writing**–develops students' understanding of sentence structure, providing hands-on experience with coordination, conjunctions, subject-verb agreement, participles, and phrases; familiarizes students with roots, affixes, and basic word relationships, including homonyms, synonyms, and antonyms; develops students' vocabulary and spelling skills; gives students the opportunity to develop their abilities in writing paragraphs, character analyses, character sketches, short biographies, and summaries; develops students' critical thinking skills through speculative writing on morality.

- **Speaking**–teaches skills that enable students to become effective speakers and communicators, weaving the skills together throughout the course.

- **Listening**–teaches effective listening comprehension skills, weaving these together throughout the lessons; builds upon students' study skills.

Language Arts 700

**Unit 1: Nouns, Pronouns, Affixes, and Using Words Correctly**

**Assignments**

1. Course Overview
2. Documentation
3. Nouns As Labels; Related Nouns; Categories
4. Common and Proper Nouns
5. Report: The Meaning of Names
6. Spelling Lesson 1: Content Words; ei and ie
7. Quiz 1: Using Nouns
8. Spelling Quiz 1
9. Personal Pronoun Case
10. Reflexive Pronouns; Archaic Pronouns
11. Demonstratives; Pronoun-Antecedent Agreement
12. Spelling Lesson 2: General/Easily Confused Words
13. Quiz 2: Using Pronouns
14. Spelling Quiz 2
15. Using the Right Prefix
16. Suffixes Change Spelling/Part of Speech
17. Using Mnemonic Devices for Homonyms
18. Spelling Lesson 3: Common Homonyms
19. Quiz 3: Cumulative
20. Spelling Quiz 3
21. Unit 1 Special Project*
22. Test
23. Alternate Test*
24. Reference

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Language Arts 700

**Unit 2: Usage; Speaking and Listening; Verb Tenses**

**Assignments**

1. Speaking Expressively
2. Retelling a Story: Alfred the Great
3. Project: Story-telling
4. Report: Alfred the Great
5. Spelling Lesson 1: Multisyllable Words
6. Quiz 1: Speaking Expressively
7. Spelling Quiz 1
8. Adjusting Listening to Purpose
9. Essay: Listening
10. Spelling Lesson 2: Frequently Misspelled Words
11. Quiz 2: Speaking and Listening
12. Spelling Quiz 2
13. Verbs: Present Tense
14. Past Tense: Regular and Irregular Verbs
15. Auxiliary Verbs/Future Tense
16. Verbs: Perfect Tenses and Conjugation
17. Spelling Lesson 3: General Words
18. Quiz 3: Speaking/Listening; Verb Tenses
19. Spelling Quiz 3
20. Book Report: Novel*
21. Unit 2 Special Project*
22. Test
23. Alternate Test*
24. Reference

Language Arts 700

**Unit 3: Biographies and Grammar (Affixes)**

**Assignments**

1. Biography: William Tyndale
2. Sequence of Events
3. Essay: Special Day*
4. Flashback and Inferences in Biography
5. Project: Biography
6. Book Report: Biography*
7. Spelling Lesson 1: General/ -le and -el
8. Quiz 1: Biographies/Sequence of Events
9. Spelling Quiz 1
10. Prefixes: Finding
11. Prefixes: Meanings
12. Suffixes: Finding
13. Meaning of Suffixes/Parts of Speech
14. Prefixes and Suffixes
15. Spelling Lesson 2: Words with Affixes
16. Quiz 2: Affixes, Biography, Sequence
17. Spelling Quiz 2
18. Unit 3 Special Project*
19. Test
20. Alternate Test*
21. Reference

Language Arts 700

**Unit 4: Structure of Written and Spoken Language**

**Assignments**

1. Structure: Subject and Predicate
2. Patterns: Inverted, Compound Parts, S/V/DO
3. Patterns: S/LV/PN, S/LV/PA, S/V/IO/DO
4. Essay: Using Sentence Patterns
5. Spelling Lesson 1: Content Area Words
6. Quiz 1: Sentence Structure and Patterns
7. Spelling Quiz 1
8. Writing Complete Sentences
9. Structure; Word Choice; Ambiguity
10. Effective Sentences: Vivid Modifiers
11. Spelling Lesson 2: General
12. Quiz 2: Sentence Structure and Variety
13. Spelling Quiz 2
14. Pitch/Accent/Pause
15. Punctuating Pauses
16. Spelling Lesson 3: General
17. Quiz 3: Cumulative
18. Spelling Quiz 3
19. Unit 4 Special Project*
20. Test
21. Alternate Test*
22. Reference

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Language Arts 700

## Unit 5: The English Language

**Assignments**

1. Words That Signal Types of Organization
2. Words That Express Feelings
3. Essay: Words for Feelings
4. Spelling Lesson 1: Using y and ou
5. Quiz 1: Signal Words and Words for Feelings
6. Spelling Quiz 1
7. Formal, Informal, Nonstandard English
8. Smooth and Clear Expression
9. Essay: Informal/Formal English
10. Spelling Lesson 2: Homonyms
11. Quiz 2 Cumulative
12. Spelling Quiz 2
13. Subject-Verb Agreement in Number
14. Form of Action Verbs
15. Verb Tense: Past and Present
16. Direct Object
17. Verbs Often Confused: Lie/Lay
18. Verbs Often Confused: Sit/Set
19. Verbs Often Confused: Rise/Raise
20. Verbs Often Confused: Review
21. Pronouns Often Confused
22. Spelling Lesson 3: Past Tense Verbs
23. Quiz 3: Cumulative
24. Spelling Quiz 3
25. Unit 5 Special Project*
26. Test
27. Alternate Test*
28. Reference

Language Arts 700

## Unit 6: Mechanics and Structure of English

**Assignments**

1. Capital Letters 1
2. Capital Letters 2
3. Spelling Lesson 1: Adjectives and Adverbs
4. Quiz 1: Capitalization
5. Spelling Quiz 1
6. Apostrophe
7. Quotation Marks
8. Parentheses/Hyphen
9. Comma
10. Punctuation Review
11. Essay: Importance of Language Mechanics
12. Spelling Lesson 2: Special Types of Words
13. Quiz 2: Capitals and Punctuation
14. Spelling Quiz 2
15. Subjects and Predicates
16. Complements
17. Adjectives
18. Adverbs
19. Prepositional Phrases as Modifiers
20. Quiz 3: Structure and Mechanics
21. Coordination
22. Spelling Lesson 3: General Words
23. Quiz 4: Cumulative
24. Spelling Quiz 3
25. Unit 6 Special Project*
26. Test
27. Alternate Test*
28. Reference

Language Arts 700

## Unit 7: The Hiding Place: A Study Guide

**Assignments**

1. Chapters 1-3: Flashback/Foreshadowing
2. Chapters 4-5: Reading for Details
3. Understanding Characters
4. Essay: Occupied
5. Report: World War II*
6. Report: Dietrich Bonhoeffer*
7. Spelling Lesson 1: Noun Suffixes
8. Quiz 1: The Hiding Place, chapters 1-5
9. Spelling Quiz 1
10. Chapters 6-7: Comprehension
11. Chapter 8-9: Suspense
12. Interpretation and Communication
13. Essay: Pickwick
14. Spelling Lesson 2: Verb Suffixes
15. Quiz 2: The Hiding Place, chapters 6-9
16. Spelling Quiz 2
17. Chapter 10: Sequence
18. Chapters 11-13: Reading for Details
19. Chapters 14-15: Understand Characters
20. Author's Purpose/Modes of Writing
21. Essay: Character Sketch
22. Spelling Lesson 3: Noun Suffixes
23. Quiz 3: The Hiding Place, chapters 10-15
24. Spelling Quiz 3
25. Unit 7 Special Project*
26. Test
27. Alternate Test*
28. Reference

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Language Arts 700

## Unit 8: Nonfiction and Communication

**Assignments**

1. Nonfiction Literature: Helen Keller
2. Nonfiction Literature: The Apple Tree Switch
3. Spelling Lesson 1: General
4. Quiz 1: Nonfiction
5. Spelling Quiz 1
6. Learning to Listen Review
7. Note-taking and Summarizing
8. Essay: Summary
9. Spelling Lesson 2: General
10. Quiz 2: Listening, Summarizing, and Nonfiction
11. Spelling Quiz 2
12. Communicating with Gestures
13. Spelling Lesson 3: General
14. Quiz 3: Speaking with Gestures
15. Spelling Quiz 3
16. Unit 8 Special Project*
17. Test
18. Alternate Test*
19. Reference

Language Arts 700

## Unit 9: Writing and Pronunciation

**Assignments**

1. Sentence Types: Introduction
2. Sentence Types: Declarative/Interrogative
3. Sentence Types: Imperative/Exclamatory
4. Sentence Errors: Fragments
5. Sentence Errors: Comma Splice/Run-on
6. Spelling Lesson 1: General and Content Area Words
7. Quiz 1: Correct Sentences
8. Spelling Quiz 1
9. Paragraph Format/Topic Sentence
10. Paragraph Unity and Sequence
11. Deductive/Inductive/Transitional Paragraphs
12. Essay: Paragraph Practice
13. Project: Paragraph Self Check
14. Spelling Lesson 2: Noun and Adjective Suffixes
15. Quiz 2: Writing Paragraphs and Mechanics
16. Spelling Quiz 2
17. Pronunciation
18. Regional Differences in Pronunciation
19. Words in Reading/Nonsense Words
20. Essay: A Nonsense Poet
21. Project: Limericks
22. Spelling Lesson 3: Words Often Mispronounced
23. Quiz 3: Cumulative
24. Spelling Quiz 3
25. Unit 9 Special Project*
26. Test
27. Alternate Test*
28. Reference

Language Arts 700

## Unit 10: Review

**Assignments**

1. Verb Tense
2. Verb Agreement and Confusion
3. Nouns and Pronouns
4. Reflexive and Demonstrative Pronouns; Pronoun-Antecedent Agreement
5. Adjectives/Adverbs
6. Prepositional Phrases
7. Sentence Patterns and Types
8. Spelling Review Lessons 1 and 2
9. Review Quiz 1
10. Spelling Quiz 1
11. Capitalization
12. Apostrophe
13. Quotation Marks/Parentheses
14. Hyphens/Commas
16. Project: Punctuation Practice
17. Spelling Review Lessons 3 and 4
18. Review Quiz 2
19. Spelling Quiz 2
20. Communication: Writing and Reading
21. Book Report: Short Story*
22. Communication: Speaking and Listening
23. Project: Autobiography*
24. Spelling Review Lessons 5 and 6
25. Review Quiz 3
26. Spelling Quiz 3
27. Unit 10 Special Project*
28. Test
29. Alternate Test*
30. Reference

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# Language Arts 800

Language Arts 800 continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading**–reinforces reading comprehension skills by teaching students how to analyze propaganda and other forms of writing, including biographies, autobiographies, formal essays, and informal essays; shows students how to make denotative, symbolic, and connotative readings of a text; introduces both Old English and Middle English languages and literature to develop students' understanding of English language formation and development; prepares students for the higher level literary comprehension skills required in the upper grades.

- **Writing**–develops students' understanding of sentence structure, providing hands-on experience with conjunctions, transitions, clauses, and common sentence errors; teaches language histories and etymologies to help students build on knowledge of word structures, including topics like prefixes, roots, and suffixes; expands on students' vocabulary and spelling skills; gives students the opportunity to develop their abilities in writing business letters, friendly letters, informal essays, and basic literature analyses.

- **Speaking**–offers students experience in delivering oral reports; teaches skills that enable students to become effective speakers and communicators, weaving these skills together throughout the course.

- **Listening**–teaches effective listening comprehension skills, weaving these together throughout the lessons; builds upon students' study skills, as well as helping them become reliable and efficient note takers.

Language Arts 800

**Unit 1: Communication**

**Assignments**

1. Course Overview
2. Documentation
3. Improving Your Reading: Using Word Parts
4. Inflections Add Grammatical Meaning
5. Word Roots from Latin and Greek
6. Categorizing Words and Analogies
7. Book Report: Pre-1900 Novel*
8. Spelling Lesson 1: Using ie and ei
9. Quiz 1: Word Parts/Categories/Analogies
10. Spelling Quiz 1
11. Following Directions
12. Project: Directions*
13. Project: Writing Directions from a Prompt*
14. Essay: Write a Technical Document Giving Directions
15. Suffixes Change the Spelling of Roots
16. Spelling Lesson 2: General
17. Quiz 2: Cumulative
18. Spelling Quiz 2
19. Communication Without Words
20. Direct Nonverbal Communication
21. Spelling Lesson 3: Affixes
22. Quiz 3: Communicating Without Words
23. Spelling Quiz 3
24. Unit 1 Special Project*
25. Test
26. Alternate Test*
27. Reference

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Language Arts 800

## Unit 2: Development and Usage of English

**Assignments**

1. Development of Language: Origins and Dialects
2. The Indo-European Family
3. Spelling Lesson 1: General/Content Area
4. Quiz 1: History of the English Language
5. Spelling Quiz 1
6. Word Classes--Nouns
7. Personal and Possessive Pronouns
8. Other Kinds of Pronouns
9. Verbs
10. Adjectives and Adverbs
11. Project: Descriptive Paragraph
12. Essay: Writing About an Event
13. Spelling Lesson 2: General
14. Quiz 2: Classification of Words
15. Spelling Quiz 2
16. Adjectives and Adjective Phrases
17. Adverbs and Adverb Phrases
18. Book Report: Short Story*
19. Spelling Lesson 3: Adjectives and Adverbs
20. Quiz 3: Cumulative
21. Spelling Quiz 3
22. Unit 2 Special Project*
23. Test
24. Alternate Test*
25. Reference

Language Arts 800

## Unit 3: Punctuation and Literature

**Assignments**

1. Ending a Thought: End Punctuation
2. Using Punctuation to Link Clauses
3. Interrupting a Thought
4. Following an Introduction
5. Spelling Lesson 1: -ant and -ent Endings
6. Quiz 1: Punctuation
7. Spelling Quiz 1
8. The Formal Essay
9. Analyzing a Formal Essay
10. Project: Analysis of an Essay
11. Spelling Lesson 2: -ise, -ize, -yze
12. Quiz 2: Punctuation/The Formal Essay
13. Spelling Quiz 2
14. The Informal Essay
15. The Anecdote
16. Essay: Informal Essay
17. Spelling Lesson 3: -able, -ible
18. Quiz 3: Punctuation and Essays
19. Spelling Quiz 3
20. Unit 3 Special Project*
21. Test
22. Alternate Test*
23. Reference

Language Arts 800

## Unit 4: Words and How to Use Them

**Assignments**

1. Spelling Lesson 1: Develop Spelling Sense
2. Spelling Quiz 1
3. Using the Dictionary
4. Diacritical Marks
5. Using a Thesaurus
6. Quiz 1: Understanding Words (Dictionary and Thesaurus Skills)
7. Spelling Lesson 2: General and Homonyms
8. Spelling Quiz 2
9. Standard and Nonstandard Usage
10. Confusing Words
11. Quiz 2: Using Words Correctly
12. Spelling Lesson 3: General
13. Spelling Quiz 3
14. Project: Book Report: Post-1900 Novel*
15. Unit 4 Special Project*
16. Test
17. Alternate Test*
18. Reference

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Language Arts 800

## Unit 5: Correct Language Usage

**Assignments**

1. The Apostrophe
2. The Hyphen
3. Quotation Marks
4. Parentheses and Italics
5. Capitalization
6. Essay: Choice of Topic
7. Abbreviations and Acronyms
8. Numbers and Figures
9. Spelling Lesson 1: General and Content Words
10. Quiz 1: Written Language
11. Spelling Quiz 1
12. Spoken Language: Biblical Standards
13. Project: Biblical Speech
14. Speaking Qualities
15. Project: Speech
16. Spelling Lesson 2: Content Words
17. Quiz 2: Punctuation, Usage, and Spoken Language
18. Spelling Quiz 2
19. Review of Homonyms, Synonyms and Antonyms
20. Vocabulary Development: Word Pairs
21. Spelling Lesson 3: Difficult Word Pairs
22. Quiz 3: Correct Usage
23. Spelling Quiz 3
24. Unit 5 Special Project*
25. Test
26. Alternate Test*
27. Reference

Language Arts 800

## Unit 6: Language and Literature

**Assignments**

1. The Old English Period
2. The Old English Language and Literature
3. Report: Anglo-Saxon Culture/Literature
4. Middle English
5. Report: Geoffrey Chaucer
6. Spelling Lesson 1: -ance, -ence, -ense
7. Quiz 1: The History of the English Language
8. Spelling Quiz 1
9. Coordinating Conjunctions
10. Correlative Conjunctions/Conjunctive Adverbs
11. Subordinating Conjunctions/Adverb Clauses
12. Relative Pronouns/Adjective Clauses; Phrases and Appositives
13. Spelling Lesson 2: Mispronounced Words
14. Quiz 2: The Construction of Sentences
15. Spelling Quiz 2
16. The Elements of Autobiography
17. Autobiographical Excerpt: Jesse Stuart
18. Autobiographical Excerpt: Admiral Byrd
19. Essay: Autobiography
20. Spelling Lesson 3: Vocabulary Words
21. Quiz 3: Cumulative
22. Spelling Quiz 3
23. Project: Book Report: Biography*
24. Unit 6 Special Project*
25. Test
26. Alternate Test*
27. Reference

Language Arts 800

## Unit 7: Critical Reading and Paragraph Skills

**Assignments**

1. Critical Reading: Symbolism/Connotation
2. Critical Reading: Context/Directive Language
3. Analyzing an Author's Credentials/Argument
4. Propaganda
5. Spelling Lesson 1: Silent Letters
6. Quiz 1: Critical Reading
7. Spelling Quiz 1
8. Paragraph Structure
9. Essay: Paragraph Types
10. Organizing a Unified Paragraph
11. Paragraph Coherence/Transition Methods
12. Essay: Paragraph Development
13. Spelling Lesson 2: Silent Letters
14. Quiz 2: The Paragraph
15. Spelling Quiz 2
16. Writing a Composition: The Introduction
17. Essay: Thesis Statement*
18. Writing a Composition: The Body
19. Writing a Composition: The Conclusion
20. Writing a Composition: Proofreading
21. Essay: Analyzing an Argument
22. Spelling Lesson 3: Unaccented Syllables
23. Quiz 3: Cumulative
24. Spelling Quiz 3
25. Unit 7 Special Project*
26. Test
27. Alternate Test*
28. Reference

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Language Arts 800

## Unit 8: Writing, Listening, and Reading

**Assignments**

1. Writing Business Letters
2. Three Types of Business Letters
3. Project: Business Letters
4. Structure and Form of Personal Letters
5. Three Types of Personal Letters
6. Project: Personal Letters
7. Spelling Lesson 1: General
8. Quiz 1: Writing Letters
9. Spelling Quiz 1
10. Sound and Listening
11. Listening for Literal Meaning
12. Listening for Implied and Figurative Meaning
13. Project: Figures of Speech
14. Identifying Nonverbal Clues
15. Being a Good Listener
16. Project: Listening Skills
17. Spelling Lesson 2: General and Content Words
18. Quiz 2: Listening Skills/Nonverbal Communication
19. Spelling Quiz 2
20. Distinguishing Between Fiction and Nonfiction
21. Evaluating the Reliability of Information
22. Report: Assessing Reliability
23. Sources of Information
24. Reading the Newspaper
25. News Magazines/Other Nonfiction Resources
26. Project: Newspaper Analysis
27. Spelling Lesson 3: General
28. Quiz 3: Cumulative
29. Spelling Quiz 3
30. Unit 8 Special Project*
31. Test
32. Alternate Test*
33. Reference

Language Arts 800

## Unit 9: The English Language

**Assignments**

1. English is a Living Language
2. Etymology of English Words
3. English in the United States
4. Project: Slang
5. Spelling Lesson 1: General
6. Quiz 1: The Changing Language
7. Spelling Quiz 1
8. Double Negatives
9. Dangling Modifiers
10. Shift in Person and Number
11. Shift in Mood and Tense; S/V Agreement
12. Spelling Lesson 2: General
13. Quiz 2: Grammar and History of English
14. Spelling Quiz 2
15. Organizing an Oral Report
16. Developing an Oral Report
17. Using Language Appropriately
18. Effective Speaking Techniques
19. Project: Oral Report
20. Spelling Lesson 3: Frequently Misspelled Words
21. Quiz 3: Cumulative
22. Spelling Quiz 3
23. Unit 9 Special Project*
24. Test
25. Alternate Test*
26. Reference

Language Arts 800

## Unit 10: Review

**Assignments**

1. History of Language
2. Grammar: Parts of Speech
3. Punctuation and Capitalization
4. Abbreviations, Apostrophes, and Hyphens
5. Dictionary and Thesaurus
6. Standard English Usage
7. Common Sentence Errors
8. Paragraphs
9. Letters
10. Compositions
11. Essay: What Makes a Good Christian?
12. Review Quiz 1: Language
13. Review Spelling Lesson 1 and 2
14. Spelling Quiz 1
15. Communication: Unspoken Factors
16. Communication: Spoken Factors
17. Project: Interview a Friend
18. Following Directions and Listening
19. Review Quiz 2: Communication
20. Review Spelling Lesson 3 and 4
21. Spelling Quiz 2
22. Reading: Word Parts
23. Reading: Context Clues and Sequence
24. Reading: Fact and Opinion, News Articles
25. Reading: Essays and Autobiographies
26. Project: Analyze a Formal Essay
27. Report: Autobiography
28. Review Quiz 3: Reading
29. Review Spelling Lesson 5 and 6
30. Essay: Short Story
31. Spelling Quiz 3
32. Unit 10 Special Project*
33. Test
34. Alternate Test*
35. Reference

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# English I

English I continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading**–reinforces reading comprehension skills by teaching students how to understand and appreciate poetry, drama, informative nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of drama, a novel, and selections from well-known poetry, and short stories.

- **Writing**–furthers students' understanding of sentence structures; reviews parts of speech and their types, including in-depth studies on verbs (transitive, intransitive, conjugation, tense, voice, mood); develops students' understanding of the types and functions of phrases and clauses; teaches language history and etymology to help students build on knowledge of word structures, including prefixes, roots, and suffixes; expands on students' vocabulary skills; reviews spelling skills; gives students the opportunity to develop their abilities in writing speeches, short essays, poetry, friendly/business letters, and short stories.

- **Speaking**–offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving these skills together throughout the course.

- **Listening**–teaches effective listening comprehension skills, weaving these together throughout the lessons.

English I

**Unit 1: The Structure of Language**

**Assignments**

1. Course Overview
2. Parts of Speech and Noun Types
3. Plural Nouns (1)
4. Plural Nouns (2)
5. Plural Nouns (3)
6. Plural Nouns (4)
7. Possessive Nouns
8. Adjectives
9. Adjectives: Comparison and Suffixes
10. Quiz 1: Nouns and Adjectives
11. Verbs: Principal Parts
12. Verbs: Tense, Voice, and Mood
13. Verb Conjugation
14. Transitive and Intransitive Verbs
15. Adverbs
16. Quiz 2: Verbs and Adverbs
17. Personal Pronouns
18. Types of Pronouns
19. Indefinite and Collective Antecedents
20. Prepositions
21. Frequently Misused Prepositions
22. Conjunctions and Interjections
23. Quiz 3: Pronouns, Prepositions, and Conjunctions
24. Phrases
25. Clauses
26. Sentence Parts
27. Quiz 4: Sentence Elements
28. Documentation
29. Works Cited
30. Parenthetical Citation
31. Documentation Review
32. Special Project*
33. Test: Language Structure
34. Alternate Test: Language Structure*
35. Reference

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English I

## Unit 2: The Nature of Language

**Assignments**

1. Origin of Language
2. Project: Nonverbal Communication
3. Ancient Languages
4. Old English to Modern English
5. Quiz 1: Language Development
6. Word Meanings
7. Word Roots
8. Understanding Word Parts
9. Working with Word Parts
10. Quiz 2: Word Parts
11. Special Project*
12. Test: The Nature of Language
13. Alternate Test: The Nature of Language*
14. Reference

English I

## Unit 3: Words and Writing

**Assignments**

1. Using the Dictionary
2. Using Words Effectively
3. Quiz 1: Vocabulary and Pronunciation
4. Spelling: Pronunciation Techniques
5. Mnemonics
6. Quiz 2: Spelling and Pronunciation
7. Writing: Preparation
8. Researching and Writing the Paper
9. Project: Outline
10. Essay: Short Essay
11. Quiz 3: Vocabulary and Sentence Structure
12. Special Project*
13. Test: Words and Writing
14. Alternate Test: Words and Writing*
15. Reference

English I

## Unit 4: Paragraphs, Essays, and Research Reports

**Assignments**

1. The Structure of a Paragraph
2. Effective Transitions
3. The Structure of an Essay
4. Types of Essays
5. Project: The Five Paragraph Essay
6. Quiz 1: Paragraphs and Essays
7. The Thesis Statement
8. The Outline
9. Researching and the Library
10. The Research Report
11. Quiz 2: Research Reports
12. Project: The Research Report
13. Special Project*
14. Test: Paragraphs, Essays, and Research Reports
15. Alternate Test: Paragraphs, Essays, and Research Reports*
16. Reference

English I

## Unit 5: Short Stories

**Assignments**

1. The History of the Short Story
2. Short Story Fundamentals
3. Imagery and Symbolism
4. Quiz 1: Short Story Fundamentals
5. Biblical Stories
6. The Slip-Over Sweater
7. Essay: Response to the Slip-Over Sweater
8. Drawing Inferences
9. The Gift of the Magi
10. Quiz 2: Short Story Comprehension
11. Special Project*
12. Test: Short Stories
13. Alternate Test: Short Stories*
14. Reference

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English I

## Unit 6: Structure and Meaning in Prose and Poetry

**Assignments**

1. Understanding Author Purpose and Meaning
2. Using Paragraph Structure to Find Meaning
3. Using Visual Aids to Find Meaning
4. Quiz 1: Reading for Purpose and Meaning
5. Recognizing Author Appeal
6. Detecting Logical Fallacies
7. Quiz 2: Reading Persuasion
8. Literal Reading: Surface Meaning in Poetry
9. Symbolic Reading: Symbols in Poetry
10. Figurative Reading: Language and Poetry
11. Analytical Reading: Patterns in Poetry
12. Quiz 3: Understanding and Enjoying Poetry
13. Special Project*
14. Test: Structure and Meaning in Prose and Poetry
15. Alternate Test: Structure and Meaning in Prose and Poetry*
16. Reference

English I

## Unit 7: Communication

**Assignments**

1. Speaking
2. Giving a Speech
3. Project: Speech
4. Project: Effective Oral Reading*
5. Quiz 1: Speaking
6. Listening
7. Quiz 2: Listening
8. Letter Writing
9. Project: Informal Letter
10. Project: Business Letter
11. Quiz 3: Letter Writing
12. Special Project*
13. Test: Communication
14. Alternate Test: Communication*
15. Reference

English I

## Unit 8: Drama

**Assignments**

1. The History of Drama
2. Elements of Drama
3. Dramatic Devices
4. Essay: Parable*
5. Quiz 1: Drama
6. The Miracle Worker (Act 1)
7. The Miracle Worker (Act 2)
8. The Miracle Worker (Act 3)
9. Essay: Miracle Worker
10. Essay: The Asylum
11. Quiz 2: The Miracle Worker
12. Special Project*
13. Test: Drama
14. Alternate Test: Drama*
15. Reference

English I

## Unit 9: Studies in The Novel

**Assignments**

1. The Novel
2. Subject Matter
3. Types of Novels
4. Modes of Writing the Novel
5. Quiz 1: The Novel
6. Twenty Thousand Leagues Under the Sea
7. Plot and Perspective
8. Episodes
9. Plot Function
10. Essay: Twenty Thousand Leagues
11. Quiz 2: Twenty Thousand Leagues
12. The Critical Essay
13. Essay: Lost Continent
14. Essay: Critique*
15. Quiz 3: The Critical Essay
16. Special Project*
17. Test: Studies in the Novel
18. Alternate Test: Studies in the Novel*
19. Reference

English I

## Unit 10: Review

**Assignments**

1. Structure
2. Plural Nouns
3. Adjectives
4. Verbs and Adverbs
5. Pronouns, Prepositions, Phrases, and Clauses
6. Quiz 1: Structure
7. The Skills of Writing
8. The Skills of Speaking
9. Quiz 2: Communication
10. Library Skills and Visual Aids
11. Determining the Author's Message
12. Quiz 3: Reading and Research
13. Special Project*
14. Test: Review
15. Alternate Test: Review*
16. Reference

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# English II

English II continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It focuses on deepening and furthering students' understanding in the following ways:

- **Reading**–reinforces reading comprehension skills by teaching students how to comprehend and appreciate poetry, drama, nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of the allegory *Everyman* and Sheldon's *In His Steps*, as well as selections of and excerpts from well-known poetry and short stories.

- **Writing**–develops students' understanding of complex sentence and paragraph structures, providing hands-on experience with connectives, transitions, phrases, and clauses; teaches language history and etymology to help students build on knowledge of grammar and word structures; expands on students' vocabulary skills; gives students the opportunity to develop their abilities in writing a set of instructions, a literary critique, a poem, a short story, and a speech.

- **Speaking**–offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving the skills throughout the course.

- **Listening**–teaches effective listening comprehension skills, integrating these throughout the lessons.

- **Special Topics**–incorporates research skills, including internet, library, and reference material use, throughout the curriculum.

English II

**Unit 1: Language Structure**

**Assignments**

1. Course Overview
2. Forming Noun Plurals (1)
3. Forming Noun Plurals (2)
4. Forming Noun Plurals (3)
5. Forming Noun Plurals (4)
6. Forming Noun Plurals (5)
7. Understanding Suffixes
8. Adding Suffixes
9. Word Use and Suffixes
10. Quiz 1: Noun Plurals and Suffixes
11. Relative and Interrogative Pronouns
12. Demonstrative and Indefinite Pronouns
13. Personal Pronouns
14. Gender and Case in Pronouns
15. Quiz 2: Pronouns
16. Pronoun/Antecedent Agreement
17. Pronoun Reference
18. Adjective Clauses
19. Adverb Clauses
20. Noun Clauses
21. Quiz 3: Clauses and Pronoun Reference
22. Documentation
23. Works Cited
24. Parenthetical Citation
25. Documentation Review
26. Special Project*
27. Test: Language Structure
28. Alternate Test: Language Structure*
29. Reference

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English II

## Unit 2: Writing Effective Sentences

**Assignments**

1. Principal Parts and Participles
2. Participles
3. Infinitives
4. Gerunds
5. Quiz 1: Verbals
6. Adjective Phrases
7. Adverb Phrases
8. Appositive Phrases and Direct Address
9. Participial and Gerund Phrases
10. Infinitive Phrases
11. Quiz 2: Phrases
12. Simple Sentences
13. Compound Sentences
14. Complex Sentences
15. Essay: Effective Writing
16. Quiz 3: Sentences
17. Special Project*
18. Test: Writing Effective Sentences
19. Alternate Test: Writing Effective Sentences*
20. Reference

English II

## Unit 3: Writing and Reading Skills

**Assignments**

1. Elements of the Sentence
2. Elements of the Paragraph
3. Connectives and Transitions
4. Essay: Using Connectives*
5. Development of Paragraphs
6. Essay: Paragraphs
7. Essay: Using Change of Focus*
8. Quiz 1: Sentences and Paragraphs
9. Exposition: Instructions
10. Project: How-to Evaluation
11. Essay: How-to
12. Exposition: Events, Ideas, and Biography
13. Essay: Biography*
14. Quiz 2: Elements of Exposition
15. Recognizing Main Ideas
16. Advanced Reading Skills
17. Project: Analyzing Expository Writing
18. Understanding Relationships
19. Essay: Logic
20. Essay: Expository Essay*
21. Quiz 3: Reading Skills
22. Value, Nature, and Role of Oral Reading
23. Skills of Oral Reading
24. Preparation for Oral Reading
25. Project: Oral Reading*
26. Project: Abridged Reading*
27. Quiz 4: Oral Reading
28. Special Project*
29. Test: Writing and Reading Skills
30. Alternate Test: Writing and Reading Skills*
31. Reference

English II

## Unit 4: Speaking and Listening

**Assignments**

1. Selecting and Limiting a Topic
2. Choosing the Language (1)
3. Choosing the Language (2)
4. Essay: Writing a Speech
5. The Speech
6. Project: Giving the Speech*
7. Quiz 1: Speaking
8. The Nature of Listening
9. Listening for Main Ideas
10. Critical Listening
11. Essay: Taking Notes
12. Essay: Commercials*
13. Quiz 2: Critical Listening
14. Special Project*
15. Test: Speaking and Listening
16. Alternate Test: Speaking and Listening*
17. Reference

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English II

## Unit 5: The Development of English

**Assignments**

1. Changes in Language
2. Changes in Vocabulary
3. Changes in Meaning
4. Etymology
5. History of Words
6. Project: Names
7. Connotations and Propaganda
8. Project: Identifying Propaganda*
9. Quiz 1: Etymology
10. Changes in Pronunciation and Spelling
11. Morphemes
12. Inflections
13. Syntax and Word Relationships
14. Quiz 2: Changes in Language
15. Angles and Saxons
16. Norman Invasion
17. The Renaissance
18. Elizabethan English and the Age of Reason
19. Colonization of America
20. Westward Movement/Industrial Revolution
21. Quiz 3: The Development of English
22. Varieties of English: American and British
23. American Regional Dialects
24. Essay: Varieties
25. Nonstandard and Standard English
26. Project: Advertising*
27. Essay: Newspaper
28. Essay: Future Language*
29. Quiz 4: Varieties of English
30. Special Project*
31. Test: The Development of English
32. Alternate Test: The Development of English*
33. Reference

English II

## Unit 6: The Short Story

**Assignments**

1. Short Story Elements
2. Celebrated Jumping Frog of Calaveras County
3. The Lady, or the Tiger?
4. Essay: The Lady, or the Tiger?*
5. The Necklace
6. Essay: The Necklace
7. Quiz 1: Short Story Elements
8. Writing About Literature
9. Project: Outline
10. Writing a Literary Critique
11. Project: Preparing a Critique
12. Essay: Critique
13. Quiz 2: Writing About Literature
14. Writing a Short Story
15. Project: Preparing a Short Story
16. Essay: Writing a Short Story
17. Quiz 3: Using Writing Skills
18. Special Project*
19. Test: The Short Story
20. Alternate Test: The Short Story*
21. Reference

English II

## Unit 7: Studies in the Novel

**Assignments**

1. Development of the Novel
2. Drama and the Novel
3. The Novelist and His Novel
4. The Novelist and His Selection
5. The Novelist and His Limits
6. The Novelist: His Values and Detachment
7. Quiz 1: The Novelist and the Novel
8. Novel and Plot
9. Character, Symbol, and Mood
10. Essay: Maxwell*
11. Essay: Raymond
12. Quiz 2: In His Steps
13. The Critical Essay
14. Essay: Preparing the Review
15. Essay: Writing the Review
16. Quiz 3: The Critical Essay
17. Special Project*
18. Test: Studies in the Novel
19. Alternate Test: Studies in the Novel*
20. Reference

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English II

## Unit 8: Drama

**Assignments**

1. Greek Drama
2. Roman Drama and Dramatic Elements
3. Quiz 1: Understanding Drama
4. Oral Interpretation and Christian Drama
5. Everyman: Prologue (1-203)
6. Everyman: Fellowship (204-316)
7. Everyman: Kindred and Cousin (317-390)
8. Everyman: Goods (391-462)
9. Everyman: Good Deeds (463-521)
10. Everyman: Knowledge and Confession (522-670)
11. Everyman: Virtues (670-787)
12. Everyman: Virtues Lost (788-861)
13. Everyman: Epilogue (862-922)
14. Essay: Everyman
15. Quiz 2: Everyman
16. Special Project*
17. Test: Drama
18. Alternate Test: Drama*
19. Reference

English II

## Unit 9: Poetry

**Assignments**

1. Poetic Form and Rhyme
2. Meter and Diction
3. Imagery and Figurative Language
4. Figurative Language and Sound Effects
5. Quiz 1: Elements of Poetry
6. Literal Meaning
7. Figurative and Symbolic Meaning
8. Project: Poem Analysis
9. Project: Writing a Poem
10. Quiz 2: Poetic Meaning
11. Special Project*
12. Test: Poetry
13. Alternate Test: Poetry*
14. Reference

English II

## Unit 10: Review

**Assignments**

1. The Development of English
2. English Usage
3. Noun Plurals
4. Suffixes
5. Verbals and Phrases
6. Subordinate Clauses
7. Pronouns
8. Sentence Types
9. Organizing Paragraphs
10. Project: Paragraph
11. Punctuating Ideas
12. Writing Compositions
13. Essay: Critique
14. Quiz 1: English and Writing
15. Preparing a Speech
16. Writing and Delivering a Speech
17. Project: Speech*
18. Reading Literature to an Audience
19. Project: Cutting
20. Listening to a Speech
21. Essay: Evaluating*
22. Quiz 2: Speaking and Listening
23. Reading for Meaning
24. Reading and Experiencing Poetry
25. Interpreting Poetry
26. Reading Drama
27. Everyman
28. Short Story Elements
29. Reading Short Stories
30. Reading a Novel
31. Essay: In His Steps*
32. Quiz 3: Literature
33. Special Project*
34. Test: Review
35. Alternate Test: Review*
36. Reference

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# English III

English III continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading**–reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, nonfiction, poetry, and drama; discusses common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through readings of Thornton Wilder's *Our Town* (play) and Lee's *To Kill a Mockingbird* as well as selections of and excerpts from well-known poetry and nonfiction pieces.

- **Writing**–develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence construction errors and methods for avoiding them; provides practice in standard and nonstandard English, as well as specialized language use; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, personal essays, poetry, and research papers.

- **Special Topics**–incorporates research skills, including internet, library, and reference material use, throughout the curriculum.

English III

**Unit 1: Learning and Using Standard English**

**Assignments**

1. Course Overview
2. Acquiring a Language
3. Essay: Natural Language and Standard English
4. Learning a Standard
5. Levels of Usage
6. Essay: Levels of Standard English
7. Quiz 1: Why Standard English?
8. Making a Dictionary
9. Anatomy of a Dictionary
10. Project: Dictionary Comparison
11. Quiz 2: Dictionaries: Guardians of the Standard
12. Types of Written Standard English
13. Technical Texts
14. Informational Texts
15. Literary Texts
16. Essay: Writing Across Standard English
17. Quiz 3: Varieties of Written Standard English
18. Documentation
19. Works Cited
20. Parenthetical Citation
21. Documentation Review
22. Special Project*
23. Test: Learning and Using Standard English
24. Alternate Test: Learning and Using Standard English*
25. Reference

English III

**Unit 2: Sentence Elements**

**Assignments**

1. Clauses
2. Adverb Clauses and Adjective Clauses
3. Noun Clauses
4. Project: Writing Subordinate Clauses
5. Project: Subordinate Clauses*
6. Project: Relative Pronouns*
7. Quiz 1: Clauses
8. Verbals: Gerunds
9. Verbals: Participles
10. Project: Writing with Verbals
11. Verbals: Infinitives
12. Combining Verbals
13. Appositives
14. Project: Verbals and Appositives
15. Quiz 2: Verbals and Appositives
16. Special Project*
17. Test: Sentence Elements
18. Alternate Test: Sentence Elements*
19. Reference

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English III

## Unit 3: Clear Connections: A Writing Workshop

**Assignments**

1. Nouns and Pronouns
2. Jobs Personal Pronouns Do
3. Other Types of Pronouns
4. Quiz 1: Understanding Pronouns
5. Pronoun Case (Part 1)
6. Pronoun Case (Part 2)
7. Pronoun Reference
8. Pronoun Agreement
9. Quiz 2: Using Pronouns
10. Using Modifiers Correctly
11. Using Parallel Structure
12. Essay: Clear Connections in Action
13. Quiz 3: Writing Strong Sentences
14. Special Project*
15. Test: Sentence Workshop
16. Alternate Test: Sentence Workshop*
17. Reference

English III

## Unit 4: Meaning and Main Ideas

**Assignments**

1. Greek Prefixes
2. Latin Prefixes
3. Greek Roots
4. Project: Greek Roots
5. Latin Roots
6. Project: Latin Roots
7. Quiz 1: Prefixes and Roots
8. Context Clues
9. Project: Using Context Clues
10. Diacritical Marking
11. Quiz 2: Word Meanings and Pronunciation
12. Finding the Main Idea
13. Quiz 3: Main Ideas
14. Analyzing a Textbook
15. Essay: Outline and Essay
16. Quiz 4: Analyzing a Textbook
17. Special Project*
18. Test: Meaning and Main Ideas
19. Alternate Test: Meaning and Main Ideas*
20. Reference

English III

## Unit 5: Poetry

**Assignments**

1. Measurement in Poetry
2. Essay: Response to ANNABEL LEE
3. Meter and Metrical Sets
4. Project: The Meter of a Poem*
5. Musical Effects: Rhyme
6. Other Musical Effects
7. Form in Poetry
8. Essay: Narrative and Lyric Poetry
9. Project: Sonnet
10. Quiz 1: Structure of Poetry
11. Universality and the Experience of Faith
12. The Experience of Faith (cont.)
13. Project: Prose Paraphrase
14. Project: Prose Paraphrase*
15. The Experience of Love
16. Project: Society and Young People
17. Quiz 2: Poetic Themes
18. Imagery and Connotation
19. Essay: Writing a Poem
20. Quiz 3: Imagery and Connotation
21. Special Project*
22. Test: Poetry
23. Alternate Test: Poetry*
24. Reference

English III

## Unit 6: Nonfiction

**Assignments**

1. Elements of Nonfiction
2. Project: Survey*
3. Exposition
4. Description
5. Essay:  Descriptive Essay
6. Quiz 1: Elements of Nonfiction
7. Essays and Sermons
8. Diaries, Journals, and Letters
9. Project: Journal*
10. Biography and Autobiography
11. Periodicals
12. Project: Analyzing an Editorial
13. Quiz 2: Types of Nonfiction
14. Nonfiction Topics for Reading
15. Other Nonfiction Topics for Reading
16. Approaches to Nonfiction
17. Project: Outline
18. Essay: Illustrative Composition
19. Essay: Analytical Paper*
20. Essay: Argumentative Paper*
21. Quiz 3: Nonfiction Topics
22. Special Project*
23. Test: Nonfiction
24. Alternate Test: Nonfiction*
25. Reference

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English III

## Unit 7: American Drama

**Assignments**

1. The Development of Drama
2. Drama in America
3. Quiz 1: The Development of Drama
4. The Art of Drama
5. The Structure and Reading of a Play
6. Quiz 2: The Art of Drama
7. Wilder's OUR TOWN
8. OUR TOWN: Act I
9. OUR TOWN: Act II
10. Essay: My Town
11. Essay: My Town, Personal Experience*
12. OUR TOWN: Act III
13. Essay: Critical Essay - OUR TOWN
14. Quiz 3: Our Town
15. Special Project*
16. Test: American Drama
17. Alternate Test: American Drama*
18. Reference

English III

## Unit 8: The American Novel

**Assignments**

1. The American Novel
2. Cooper and Hawthorne
3. Essay: Nathaniel Hawthorne
4. Nineteenth Century Novelists
5. Twentieth Century Novelists
6. Quiz 1: Survey of American Novels
7. To Kill a Mockingbird-Introduction
8. To Kill a Mockingbird 6-11
9. Essay: Character Description
10. Quiz 2: To Kill a Mockingbird
11. To Kill a Mockingbird 12-15
12. To Kill a Mockingbird 16-19
13. To Kill a Mockingbird 20-25
14. To Kill a Mockingbird 26-31
15. The Critical Essay
16. Writing the Critical Essay
17. Project: Preparing an Interpretive Essay
18. Essay: Interpretive Essay
19. Quiz 3: To Kill a Mockingbird
20. Special Project*
21. Test: The American Novel
22. Alternate Test: The American Novel*
23. Reference

English III

## Unit 9: Research

**Assignments**

1. The Investigative Process
2. Choosing Your Subject
3. Quiz 1: The Investigative Process
4. Locating Sources and Taking Notes
5. Using Note Cards*
6. Formulating a Thesis
7. Thesis Statement
8. Quiz 2: Gathering Information
9. Keeping it Relevant
10. Revised Thesis
11. Outlining the Paper
12. Project: Outline
13. Using Sources and Transitions
14. Writing and Revising
15. Essay: Research Paper
16. Quiz 3: The Composition
17. Special Project*
18. Test: Research
19. Alternate Test: Research*
20. Reference

English III

## Unit 10: Review

**Assignments**

1. Context Clues and Word Parts
2. Dictionary Skills
3. Quiz 1: Analyzing Written Words
4. Clauses and Sentence Types
5. Phrases
6. Avoiding Sentence Errors
7. Quiz 2: Writing Effective Sentences
8. Writing Expository Prose
9. Essay: Expository Essay
10. Research Papers
11. Critical Analysis
12. Quiz 3: Expository Prose
13. American Drama
14. Elements of Poetry
15. American Poetry
16. Early American Novels
17. 20th Century Novels
18. Essay: To Kill a Mockingbird*
19. Nonfiction
20. Quiz 4: American Literature
21. Special Project*
22. Test: Review
23. Alternate Test: Review*
24. Reference

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# English IV

English IV continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading**–reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, poetry, and drama, including discussion of common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through English literary history, including readings of Shakespeare's *Hamlet*, Milton's *Paradise Lost*, *Beowulf*, Bunyan's *The Pilgrim's Progress*, and other selections of and excerpts from major English literary figures.

- **Writing**–develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence and paragraph construction errors and methods for avoiding them; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, poetry, short stories, and expository prose.

- **Listening**–teaches effective listening comprehension skills, weaving these throughout the lessons; builds upon students' study skills as well as helps them to become reliable and efficient note takers.

- **Special Topics-** incorporates research skills, including internet, library, and reference material use, throughout the curriculum.

English IV

**Unit 1: The Worth of Words**

**Assignments**

1. Course Overview
2. Roots and Affixes
3. Word Elements
4. Jargon and Acronyms
5. Quiz 1: Word Study
6. Expository Writing
7. Paragraph Structure
8. Essay: Writing a Paragraph
9. Coherence and Consistency in Writing
10. Mechanics
11. Spelling
12. Additional Spelling Drill*
13. Quiz 2: Expository Writing
14. Sentence Structure
15. Dangling Modifiers and Parallelism
16. Errors in Reference, Agreement, and Logic
17. Diction
18. Essay: Writing a Longer Essay
19. Quiz 3: Sentence Structure
20. Documentation
21. Works Cited
22. Parenthetical Citation
23. Documentation Review
24. Special Project*
25. Test: The Worth of Words
26. Alternate Test: The Worth of Words*
27. Reference

English IV

**Unit 2: The Structure of Language**

**Assignments**

1. Nouns and Pronouns
2. Verbs and Verb Phrases
3. Other Parts of Speech
4. Quiz 1: Parts of Speech
5. The Structure of Sentences
6. The Parts of the Sentence
7. Project: Sentence Patterns
8. Quiz 2: Sentence Structure
9. Methods of Subordination: Participles
10. Gerunds and Infinitives
11. Adverb and Adjective Clauses
12. Noun Clauses
13. Project: Variety in Writing
14. Quiz 3: Methods of Subordination
15. Special Project*
16. Test: The Structure of Language
17. Alternate Test: The Structure of Language*
18. Reference

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English IV

## Unit 3: Reading and Research

**Assignments**

1. Word Recognition: Drill One
2. Identifying Main Ideas
3. Word Recognition: Drill Two
4. Opinions, Implications, and Inferences
5. Essay: Using Details in Writing
6. Quiz 1: Reading for Comprehension
7. Phrase Recognition: Drill Three
8. Finding Information in the Library
9. Word Meaning: Drill Four
10. Finding Information on the Internet
11. Project: Web Search Projects*
12. Phrase Recognition: Drill Five
13. Taking Effective Notes
14. Project: Writing a Paper from Notes
15. Quiz 2
16. Special Project*
17. Test: Reading and Research
18. Alternate Test: Reading and Research*
19. Reference

English IV

## Unit 4: Language, God's Gift to Man

**Assignments**

1. Origin of Language
2. Quiz 1: Origin of Language
3. Grammar
4. Structural Grammar
5. Generative Grammar
6. Quiz 2: Grammar
7. Semantics
8. Project: Semantics and Advertising
9. Project: Levels of Usage and Meaning
10. Quiz 3: Semantics
11. Special Project*
12. Test: Language
13. Alternate Test: Language*
14. Reference

English IV

## Unit 5: Medieval English Literature

**Assignments**

1. Early England
2. Old English
3. The Epic and Beowulf
4. Project: Kennings*
5. Project: Beowulf*
6. Elegies, Riddles, and Gnomes
7. Essay: The Elegies
8. Quiz 1: Old English
9. English Literature (1066-1400)
10. Project: Ballad*
11. Essay: 13th C. Literary Forms*
12. Quiz 2: Early Middle English
13. 14th Century Writers; Chaucer
14. Chaucer's Language
15. Canterbury Tales
16. Essay: Character Study
17. Essay: Modern Pilgrimage*
18. The Nun's Priest's Tale
19. Response to The Nun's Priest's Tale
20. Quiz 3: Fourteenth Century Literature
21. Special Project*
22. Test: Medieval English Literature
23. Alternate Test: Medieval English Literature*
24. Reference

English IV

## Unit 6: Elizabethan Literature

**Assignments**

1. Elizabethan Songs
2. Elizabethan Sonnets: Sidney
3. Sonnets: Spenser, Shakespeare, and Donne
4. Translations and Prose
5. Essay: Elizabethan Literature*
6. Quiz 1: Elizabethan Poetry and Prose
7. Elizabethan Drama
8. William Shakespeare
9. Quiz 2: Elizabethan Drama
10. Hamlet: Act I, i-ii
11. Hamlet: Act I, iii-v
12. Hamlet: Act II
13. Hamlet: Act III
14. Hamlet: Act IV
15. Hamlet: Act V
16. Quiz 3: Hamlet
17. The Critical Essay
18. Project: Preparing the Critical Essay
19. Essay: Writing the Critical Essay
20. Quiz 4: The Critical Essay
21. Special Project*
22. Test: Elizabethan Literature
23. Alternate Test: Elizabethan Literature*
24. Reference

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English IV

## Unit 7: 17th- and 18th-Century English Literature

**Assignments**

1. The Historical Background of the Literature
2. John Milton
3. On the Morning of Christ's Nativity
4. Paradise Lost: Book I
5. Paradise Lost: Book VII, Book XII
6. John Bunyan
7. Quiz 1: Milton and Bunyan
8. Alexander Pope
9. Jonathan Swift
10. Quiz 2: Pope and Swift
11. Samuel Johnson
12. Oliver Goldsmith
13. Essay: Swift and Goldsmith
14. Quiz 3: Johnson and Goldsmith
15. Special Project*
16. Test: 17th- and 18th-Century English Literature
17. Alternate Test: 17th- and 18th-Century English Literature*
18. Reference

English IV

## Unit 8: Romantic and Victorian Poetry

**Assignments**

1. Romantic Revolution
2. Poetic Revolution
3. Quiz 1: The Romantic Age
4. Romantic Poets: Wordsworth
5. William Wordsworth: Other Poems
6. Essay: Lessons from Nature
7. Samuel Taylor Coleridge
8. George Gordon, Lord Byron
9. Essay: Response to Guilt
10. Percy Bysshe Shelley
11. John Keats
12. Essay: John Constable*
13. Quiz 2: The Romantic Poets
14. Victorian Variety
15. Essay: Queen Victoria
16. Alfred, Lord Tennyson
17. Essay: Views of Nature
18. Robert and Elizabeth Barrett Browning
19. Gerard Manley Hopkins
20. Quiz 3: The Victorian Poets
21. Special Project*
22. Test: Romantic and Victorian Poetry
23. Alternate Test: Romantic and Victorian Poetry*
24. Reference

English IV

## Unit 9: Creative Writing

**Assignments**

1. Fiction
2. Poetry
3. Quiz 1: Fiction and Poetry
4. Writing the Short Story
5. Project: Journal*
6. Project: Writing Descriptions
7. Project: Character Sketch
8. Narration and Style
9. Essay: Inventing Characters*
10. Essay: Writing a Short Story
11. Quiz 2: Writing the Short Story
12. Writing the Poem
13. Project: Using Personification*
14. Project: Writing A Poem
15. Project: Writing Free Verse
16. Project: Writing a Limerick*
17. Quiz 3: Writing Poetry
18. Special Project*
19. Test: Creative Writing
20. Alternate Test: Creative Writing*
21. Reference

English IV

## Unit 10: Review

**Assignments**

1. Origin and Form of Words
2. Grammar and Semantics
3. Reading and Literature Types
4. Expository Writing
5. Project: Expository Paragraph
6. Sentence Structure
7. Sentence Errors
8. Essay: Expository Essay*
9. Creative Writing
10. Quiz 1: Language
11. Medieval English Literature
12. Beowulf and Medieval English History
13. Middle English Literature
14. The Canterbury Tales
15. Elizabethan Literature
16. Elizabethan Drama
17. Hamlet
18. Quiz 2: The Middle Ages and Renaissance
19. Seventeenth-Century Puritan Literature
20. Satire, Sense, and Sensibility
21. Romantic Poetry
22. The Victorian Era
23. Quiz 3: 17th-19th-Century English Literature
24. Special Project*
25. Test: Review
26. Alternate Test: Review*
27. Reference

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# Mathematics

## Mathematics 300

Math 300 is a full-year elementary math course focusing on number skills and numerical literacy. In it, students will gain solid experience with number theory and operations, learning how to apply these in measurement situations. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to statistical concepts.

By the end of the course, students will be expected to do the following:

- Understand place value and know how to compare and order numbers.
- Perform addition and subtraction, carrying and borrowing on whole numbers.
- Know basic multiplication facts.
- Understand representations in fraction and mixed number forms.
- Understand concepts of likelihood and basic probability.
- Understand concepts of shape, symmetry, and perimeter.
- Understand measurement concepts, including time and temperature.
- Understand representations using decimals and money.

Mathematics 300

**Unit 1: Whole Numbers**

**Assignments**

1. Course Overview
2. Patterns: Digits and Number Words
3. Place Value
4. Single-Digit Addition
5. Single-Digit Subtraction
6. Addition Problems
7. Subtraction Problems
8. Quiz 1
9. Numbers on a Number Line
10. Pattern for Expanded Notation
11. Adding Multi-Digit Numbers
12. Quiz 2
13. Subtracting 3-Digit Numbers
14. Measurement
15. Operation Symbols
16. Quiz 3
17. Adding with Carrying
18. Cardinal and Ordinal Numbers
19. Standard Measurement for Time
20. Calendar Time
21. Quiz 4
22. Unit Concept Review 1
23. Unit Concept Review 2
24. Practice: Addition and Subtraction
25. Quiz 5
26. Special Project*
27. Review Game
28. Test
29. Alternate Test*
30. Reference

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Mathematics 300

## Unit 2: Number Patterns

**Assignments**

1. Family of Facts
2. Adding Ones, Tens, and Hundreds
3. Subtracting Ones, Tens, and Hundreds
4. Quiz 1
5. Place Value and Number Words
6. Addition with Carrying
7. Skip Counting and Number Words
8. Quiz 2
9. Skip Counting and Addition with Carrying
10. Fractions
11. Subtracting with Borrowing
12. Quiz 3
13. Shapes
14. Money
15. Review: Borrowing
16. Addition: Checking Answers
17. Subtraction: Checking Answers
18. Quiz 4
19. Review: Number Order and Place Value
20. Review: Addition and Subtraction Facts
21. Quiz 5
22. Special Project*
23. Review Game
24. Test
25. Alternate Test*
26. Reference

Mathematics 300

## Unit 3: Whole Numbers and Fractions

**Assignments**

1. Fact Families, Mental Math, and Addition
2. Column Addition
3. Addition: With and Without Carrying
4. Quiz 1
5. Measurements: Weight and Volume
6. Fact Family, Place Value, and Number Order
7. Checking Addition Problems
8. More Checking Addition Problems
9. Quiz 2
10. Subtraction with Borrowing
11. Number Sentences and Symbols
12. Subtraction with Borrowing and Checking
13. Quiz 3
14. Fractions
15. Fractions - Continued
16. Addition Practice
17. Time: AM and PM
18. Quiz 4
19. Review: Addition, Subtraction, and Money
20. Review: Story Problems, Lines, Shapes, and Measurement
21. Quiz 5
22. Special Project*
23. Review Game
24. Test
25. Alternate Test*
26. Reference

Mathematics 300

## Unit 4: Place Value

**Assignments**

1. Numbers to Thousands Place
2. Addition and Skip Counting
3. Quiz 1
4. Rounding and Estimation
5. Subtraction with Borrowing
6. Measurement
7. Quiz 2
8. Number Words and Place Value
9. Number Patterns
10. Addition and Subtraction: Horizontal Form
11. Quiz 3
12. Adding and Subtracting Fractions
13. Roman Numerals
14. Review: Subtraction with Borrowing
15. Quiz 4
16. Review: Fractions
17. Review: Word Problems and Money
18. Quiz 5
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

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Mathematics 300

## Unit 5: Measurement, Shapes, and Review

**Assignments**

1. Operation Symbols and Number Sense
2. Multi-Digit Addition and Subtraction
3. Cardinal and Ordinal Numbers
4. Quiz 1
5. Number Patterns Using Place Value
6. Measuring Temperature
7. Quiz 2
8. Operation Symbols
9. Shapes and Symmetry
10. Rounding and Estimating
11. Finding Perimeter
12. Quiz 3
13. Multi-Digit Addition and Subtraction
14. Odd and Even Numbers
15. Review: Checking Addition
16. Review: Checking Subtraction
17. Review: Roman Numerals and Fractions
18. Quiz 4
19. Review: Multiple Concepts
20. Review: Story Problems
21. Quiz 5
22. Special Project*
23. Review Game
24. Test
25. Alternate Test*
26. Reference

Mathematics 300

## Unit 6: Multiplication, Addition, and Subtraction

**Assignments**

1. Multi-Digit Addition
2. Skip Counting and Multiplication
3. Review: Telling Time
4. Quiz 1
5. Review: Subtraction
6. Perimeter and Area
7. Review: Fractions
8. Quiz 2
9. Addition and Equivalent Fractions
10. Money Computation and Roman Numerals
11. Quiz 3
12. Multiplication
13. Lines, Angles, and Temperature
14. Review: Addition and Subtraction
15. Quiz 4
16. Story Problems
17. Multiple Concept Review
18. Review: Calendar
19. Quiz 5
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

Mathematics 300

## Unit 7: Operations, Likelihood, and Probability

**Assignments**

1. Review: Place Value
2. Review: Subtraction with Borrowing
3. Multiplication Facts (1)
4. Quiz 1
5. Measurement
6. Practicing Subtraction with Borrowing
7. Mixed Numbers
8. Quiz 2
9. Review: Expanded Notation and Roman Numerals
10. Probability and Likelihood
11. Math Facts
12. Symmetry
13. Quiz 3
14. Review: Money
15. Multiplication Facts (2)
16. Quiz 4
17. Multiple Concept Review
18. Quiz 5
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

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Mathematics 300

## Unit 8: Measurement, Fractions, and Decimals

**Assignments**

1. Shapes, Measurement, and Addition
2. Time and Measurement
3. Quiz 1
4. Fractions, Odd and Even Number Patterns
5. Decimals
6. Money Problems
7. Quiz 2
8. Fractions, Place Value, and Measurement
9. Directions
10. Quiz 3
11. Multiplication Facts
12. Multiple Concept Practice
13. Review: Addition with Checking
14. Quiz 4
15. Word Problems
16. Using Graphs
17. Quiz 5
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

Mathematics 300

## Unit 9: Review: Multiple Concepts

**Assignments**

1. How Numbers Work
2. Math Facts
3. Add/Subtract with Checking
4. Multiplication
5. Quiz 1
6. Equivalent Fractions
7. Reading and Writing Fractions
8. Fraction Computation
9. Quiz 2
10. Measure: Length, Perimeter, and Area
11. Measure: Money, Time, and Temperature
12. Measure: Weight and Volume
13. Quiz 3
14. Symmetry and Shapes
15. Roman Numerals
16. Quiz 4
17. Likelihood and Graphing
18. Problem Solving
19. Quiz 5
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

Mathematics 300

## Unit 10: Basic Math Review

**Assignments**

1. Review: Rounding and Estimation
2. Review: Adding Fractions
3. Review: Subtracting Fractions
4. Review: Multiplication Facts
5. Quiz 1
6. Review: Mental Math, Graphs, Likelihood
7. Review: Addition and Subtraction Computation
8. Quiz 2
9. Review: Fractions and Decimals
10. Review: Add and Subtract Mixed Numbers and Fractions
11. Review: Finding Missing Numbers
12. Quiz 3
13. Review: Shapes and Symmetry
14. Review: Roman Numerals
15. Review: Measurement
16. Quiz 4
17. Review: Number Symbols and Grouping
18. Review: Perimeter and Area
19. Review: Problem Solving
20. Quiz 5
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

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# Mathematics 400

Math 400 is a full-year elementary math course focusing on number skills and numerical literacy. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates geometric concepts and skills throughout the units, teaches measurement skills, and introduces students to statistical concepts.

By the end of the course, students will be expected to do the following:

- Perform all four operations on whole numbers.
- Compare and order numbers, using place value and rounding.
- Add and subtract fractions and decimals.
- Understand measurement concepts, including the metric system.
- Calculate perimeters and areas of regular plane shapes.
- Represent data on varied statistical charts.

Mathematics 400

**Unit 1: Number Sense and Place Value**

**Assignments**

1. Course Overview
2. Place Value to 1,000s
3. Single-Digit Addition
4. Single-Digit Subtraction
5. Multi-Digit Addition
6. Multi-Digit Subtraction
7. Review Place Value to 1,000s
8. Quiz 1
9. Multiplication Facts
10. Family of Facts
11. Telling Time
12. Quiz 2
13. Number Words
14. Patterns
15. Cardinal and Ordinal Numbers
16. Quiz 3
17. Reading and Writing Fractions
18. Practice Multiplication
19. Counting Money
20. Operations
21. Quiz 4
22. Review: Numbers
23. Story Problems
24. Quiz 5
25. Special Project*
26. Review Game
27. Test
28. Alternate Test*
29. Reference

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Mathematics 400

## Unit 2: Rounding and Estimation

**Assignments**

1. Operations
2. Multiplication Facts: 6-10 and Review
3. Using Standard Measures
4. Quiz 1
5. Place Value to 10,000s
6. Relation Symbols
7. Missing Number Equations
8. Review: Even and Odd Numbers
9. Quiz 2
10. Adding and Subtracting Fractions
11. Rounding Numbers to 10s
12. Estimating Answers to 10s
13. Review: Math Symbols
14. Quiz 3
15. Equivalent Fractions
16. Rounding Numbers to 100s
17. Estimating Answers to 100s
18. Review: Computation
19. Quiz 4
20. Review: Bar Graphs and Fractions
21. Review: Fractions
22. Quiz 5
23. Special Project*
24. Review Game
25. Test
26. Alternate Test*
27. Reference

Mathematics 400

## Unit 3: Whole Numbers and Fractions

**Assignments**

1. Place Value
2. Rounding Numbers to 10s, 100s, and 1,000s
3. Multiply with Carrying to 10s
4. Multiplication Practice
5. Quiz 1
6. Multi-Digit Addition and Subtraction
7. Rounding and Estimating
8. Fractions Equal to Whole Numbers
9. Quiz 2
10. Estimate Answers to 1,000s
11. Relation Symbols
12. Fractions
13. Add and Subtract to 10,000s
14. Check Your Answers
15. Quiz 3
16. Equivalent Fractions
17. Learn Numbers to 100,000s
18. Equations
19. Quiz 4
20. Reading and Solving Story Problems
21. Line Graphs
22. Quiz 5
23. Special Project*
24. Review Game
25. Test
26. Alternate Test*
27. Reference

Mathematics 400

## Unit 4: Lines and Shapes

**Assignments**

1. Plane and Solid Shapes
2. Quiz 1
3. Practice Addition and Subtraction
4. Place Value and Rounding
5. Multiply with Carrying to 100s
6. Quiz 2
7. Lines, Segments, End Points, Rays, Angles
8. Lines, Directions, and Maps
9. Quiz 3
10. Review: Plane and Solid Shapes
11. Fractions
12. Missing Number Problems
13. Review: Operation and Relation Symbols
14. Quiz 4
15. Review: Expanded Notation and Estimation
16. Review: Fractions and Place Value
17. Quiz 5
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

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Mathematics 400

## Unit 5: Division and Measurement

**Assignments**

1. Introduction to Division
2. Multiplication
3. Addition and Subtraction
4. Review: Time and Number Sense
5. Quiz 1
6. Linear Measurement
7. Capacity (Dry and Liquid Measurement)
8. Division Facts
9. Review: Multiplication
10. Quiz 2
11. Reading a Calendar
12. Perimeter and Area
13. Finding Perimeter and Area
14. Quiz 3
15. Missing Number Problems
16. Division Practice
17. Roman Numerals
18. Review: Regrouping
19. Quiz 4
20. Patterns
21. Quiz 5
22. Special Project*
23. Review Game
24. Test
25. Alternate Test*
26. Reference

Mathematics 400

## Unit 6: Multiplication and Fractions

**Assignments**

1. Prime and Composite Numbers
2. Multiples
3. Division with Remainders
4. Quiz 1
5. Equations and Grouping
6. Proper and Improper Fractions
7. Quiz 2
8. Multiplication Facts For 11 and 12
9. Fractions and Mixed Numbers
10. Review: Division and Roman Numerals
11. Quiz 3
12. Measurements
13. Equivalent Fractions
14. Review: Rounding and Shapes
15. Quiz 4
16. Factors and Multiples
17. Problem Solving with Equations
18. Quiz 5
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Mathematics 400

## Unit 7: Fractions and Patterns

**Assignments**

1. Multiplication and Division
2. Factors, Multiples, and Variables
3. Fractions
4. Quiz 1
5. Multiplication and Fractions
6. Average and Number Rules
7. Review: Measurement and Place Value
8. Quiz 2
9. Fractions
10. Missing Number Problems
11. Quiz 3
12. Rounding Numbers and Place Value
13. Review: Shapes, Perimeter, and Area
14. Fractions and Patterns
15. Practice: Operations and Money
16. Quiz 4
17. Review: Cardinal and Ordinal Numbers
18. Quiz 5
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

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Mathematics 400

## Unit 8: Division and Fractions

**Assignments**

1. Factoring and Place Value
2. Review: Two-Digit Multiplication
3. Fractions
4. Quiz 1
5. Division
6. Fractions
7. Missing Number Problems
8. Quiz 2
9. Multiplication
10. Division
11. Quiz 3
12. The Metric System
13. Fractions
14. Review: Time
15. Quiz 4
16. Review: Operations and Rounding
17. Review: Roman Numerals, Measurement, and Symbols
18. Quiz 5
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Mathematics 400

## Unit 9: Decimals and Fractions

**Assignments**

1. Decimals
2. Money
3. Multiplication of Whole Numbers
4. Quiz 1
5. Ordered Pairs
6. Division and Averages
7. Quiz 2
8. Add and Subtract Decimals
9. Fractions with Different Denominators
10. Equivalent Fractions and Decimals
11. Quiz 3
12. Multiply and Divide
13. Mixed Numbers
14. Sensible Answers
15. Quiz 4
16. Review: Fractions
17. Review
18. Quiz 5
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Mathematics 400

## Unit 10: Graphing and Review

**Assignments**

1. Data Collection and Random Sampling
2. Project: Collecting Data
3. Project: Predicting Data
4. Graphs
5. Quiz 1
6. Whole Numbers
7. Decimal Numbers
8. Quiz 2
9. Problem Solving with Fractions
10. Fractions
11. Quiz 3
12. Sizes, Shapes, and Measurements
13. Word Problems and Equations
14. Quiz 4
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

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# Mathematics 500

Math 500 is a full-year elementary math course focusing on number skills, mathematical literacy, and geometric concepts. Students will gain solid experience with number theory and operations, including whole numbers, decimals, and fractions. In addition, students will develop their understanding of measurement and two- and three- dimensional figures. This course also integrates mathematical practices throughout the units, as well as introducing students to algebraic, statistical, and probability concepts.

In this course, students will be taught the following:

**Place Value, Addition, and Subtraction**

- Adding and subtracting of decimals and fractions
- Comparing and ordering whole numbers
- Determining rules for number patterns
- Mental math
- Rounding and estimating

**Multiplying Whole Numbers and Decimals**

- Estimating whole number products
- Multiplying decimals
- Multiplying whole numbers
- Properties of multiplication

**Dividing Whole Numbers and Decimals**

- Dividing with money
- Dividing whole numbers and decimals
- Estimating quotients
- Interpreting remainders

**Algebra and Graphing**

- Coordinate plane
- Expressions
- Graphing functions
- Integers
- Numerical patterns in tables and graphs
- Order of operations
- Scatterplots

**Measurement**

- Capacity
- Density
- Length
- Mass
- Time and temperature
- The Metric System
- Weight

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**Factors and Fractions**

- Comparing fractions and decimals
- Equivalent fractions
- Factors
- Fractions
- Greatest Common Factor/Least Common Multiple
- Improper fractions and mixed numbers
- Prime factorization
- Rounding fractions
- Simplifying fractions

**Fraction Operations**

- Adding and subtracting fractions
- Adding and subtracting mixed numbers
- Estimating sums and differences
- Multiplying mixed numbers
- Multiplying whole numbers and fractions

**Data Analysis and Probability**

- Bar/Line Graphs
- Choosing the right graph
- Collecting data and frequency tables
- Line plots
- Listing outcomes
- Making predictions
- Measures of central tendency
- Probability
- Stem-and-Leaf plots

**Geometry**

- Angles
- Circles
- Geometry terms
- Polygons
- Quadrilaterals
- Making predictions
- Similar and congruent figures
- Solid figures
- Symmetry
- Transformations
- Triangles

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**Perimeter, Area, and Volume**

- Perimeter, Area, and Volume
- Area
- Circumference
- Parallelograms
- Polygons
- Regular polygons
- Squares and rectangles
- Surface area
- Triangles
- Volume

**Financial Literacy**

- Exploring your finances

Mathematics 500

**Unit 1: Place Value, Addition, and Subtraction**

**Assignments**

1. Course Overview
2. Whole Number Place Value
3. Comparing and Ordering Whole Numbers
4. Decimal Number Place Value
5. Comparing and Ordering Decimal Numbers
6. Quiz: Place Value
7. Alternate Quiz - Form A: Place Value*
8. Alternate Quiz - Form B: Place Value*
9. Rounding Whole Numbers and Decimals
10. Estimating Sums and Differences
11. Add and Subtract Mentally
12. Quiz: Rounding and Estimating
13. Alternate Quiz - Form A: Rounding and Estimating*
14. Alternate Quiz – Form B: Rounding and Estimating*
15. Adding and Subtracting Whole Numbers
16. Adding Decimal Numbers
17. Determining Rules to Generate Number Patterns
18. Subtracting Decimal Numbers
19. Exploring Your Finances
20. Project: Logical Reasoning
21. Quiz: Addition and Subtraction
22. Alternate Quiz - Form A: Addition and Subtraction*
23. Alternate Quiz - Form B: Addition and Subtraction*
24. Special Project*
25. Review
26. Test
27. Alternate Test - Form A*
28. Alternate Test - Form B*
29. Glossary and Credits

Mathematics 500

**Unit 2: Multiplying Whole Numbers and Decimals**

**Assignments**

1. Estimating Whole Number Products
2. Properties of Multiplication
3. Multiplying Whole Numbers
4. Quiz: Multiplying Whole Numbers
5. Alternate Quiz —Form A: Multiplying Whole Numbers*
6. Alternate Quiz —Form B: Multiplying Whole Numbers*
7. Exponents
8. Multiplying Whole Numbers by Powers of Ten
9. Project: How Much is a Million
10. Multiplying Decimals by Powers of Ten
11. Quiz: Powers
12. Alternate Quiz —Form A: Powers*
13. Alternate Quiz —Form B: Powers*
14. Estimating Decimal Products
15. Multiplying Whole Numbers by Decimals
16. Multiplying Decimals by Decimals
17. Solving Multiplication Problems
18. Quiz: Multiplying Decimal Numbers
19. Alternate Quiz —Form A: Multiplying Decimal Numbers*
20. Alternate Quiz —Form B: Multiplying Decimal Numbers*
21. Special Project*
22. Review
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B *
26. Glossary and Credits

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Mathematics 500

## Unit 3: Dividing Whole Numbers and Decimals

**Assignments**

1. Understanding Division
2. Estimating Quotients
3. Dividing Whole Numbers
4. Remainders
5. Quiz: One-Digit Divisors
6. Alternate Quiz —Form A: One-Digit Divisors*
7. Alternate Quiz —Form B: One-Digit Divisors*
8. Dividing by Multiples of Ten
9. Dividing Whole Numbers I
10. Dividing Whole Numbers II
11. Interpreting the Remainder
12. Quiz: Two-Digit Divisors
13. Alternate Quiz —Form A: Two-Digit Divisors*
14. Alternate Quiz —Form B: Two-Digit Divisors*
15. Dividing by Powers of Ten
16. Dividing Decimals by Whole Numbers
17. Dividing with Money
18. Quiz : Decimal Division
19. Alternate Quiz —Form A: Decimal Division*
20. Alternate Quiz —Form B: Decimal Division*
21. Special Project*
22. Review
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

Mathematics 500

## Unit 4: Algebra and Graphing

**Assignments**

1. Addition and Subtraction Expressions
2. Multiplication and Division Expressions
3. The Order of Operations
4. Quiz: Expressions
5. Alternate Quiz —Form A: Expressions*
6. Alternate Quiz —Form B: Expressions*
7. Addition and Subtraction Equations
8. Multiplication Equations
9. Functions
10. Numerical Patterns
11. Project: Patterns
12. Quiz: Patterns, Functions, and Equations
13. Alternate Quiz —Form A: Patterns, Functions, and Equations*
14. Alternate Quiz —Form B: Patterns, Functions, and Equations*
15. The Coordinate Plane
16. Graphing Functions
17. Interpreting Graphs
18. Scatterplots
19. Numerical Patterns in a Table/Graph
20. Integers
21. Quiz: Graphing
22. Alternate Quiz —Form A: Graphing*
23. Alternate Quiz —Form B: Graphing*
24. Special Project*
25. Review
26. Test
27. Alternate Test—Form A*
28. Alternate Test—Form B*
29. Glossary and Credits

Mathematics 500

## Unit 5: Measurement

**Assignments**

1. The Metric System
2. Length
3. Mass
4. Capacity
5. Quiz: The Metric System
6. Alternate Quiz —Form A: The Metric System*
7. Alternate Quiz —Form B: The Metric System*
8. Length
9. Weight
10. Capacity
11. Project: Density
12. Quiz: The Customary System
13. Alternate Quiz —Form A: The Customary System*
14. Alternate Quiz —Form B: The Customary System*
15. Time
16. Elapsed Time
17. Temperature
18. Quiz : Time and Temperature
19. Alternate Quiz —Form A: Time and Temperature*
20. Alternate Quiz —Form B: Time and Temperature*
21. Special Project*
22. Review
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

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Mathematics 500

**Unit 6: Factors and Fractions**

**Assignments**

1. Factors
2. Prime Factorization
3. Greatest Common Factor
4. Quiz: Factors
5. Alternate Quiz —Form A: Factors*
6. Alternate Quiz —Form B: Factors*
7. Fractions
8. Improper Fractions and Mixed Numbers
9. Simplifying Fractions
10. Equivalent Fractions
11. Quiz: Equivalent Fractions
12. Alternate Quiz —Form A: Equivalent Fractions*
13. Alternate Quiz —Form B: Equivalent Fractions*
14. Least Common Multiple
15. Comparing Fractions
16. Fractions and Decimals
17. Rounding Fractions
18. Quiz: Fractions
19. Alternate Quiz —Form A: Fractions*
20. Alternate Quiz —Form B: Fractions*
21. Special Project*
22. Review
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

Mathematics 500

**Unit 6: Factors and Fractions**

**Assignments**

1. Adding and Subtracting Fractions
2. Adding and Subtracting Mixed Numbers
3. Estimating Sums and Differences
4. Quiz: Like Denominators
5. Alternate Quiz—Form A: Like Denominators*
6. Alternate Quiz —Form B: Like Denominators*
7. Adding Fractions
8. Subtracting Fractions
9. Adding Mixed Numbers
10. Subtracting Mixed Numbers
11. Quiz: Unlike Denominators
12. Alternate Quiz —Form A: Unlike Denominators*
13. Alternate Quiz —Form B: Unlike Denominators*
14. Multiplying Whole Numbers and Fractions
15. Multiplying Fractions
16. Multiplying Mixed Numbers
17. Dividing Fractions
18. Quiz : Multiplying and Dividing Fractions
19. Alternate Quiz —Form A: Multiplying and Dividing Fractions*
20. Alternate Quiz —Form B: Multiplying and Dividing Fractions*
21. Special Project*
22. Review
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

Mathematics 500

**Unit 8: Data Analysis and Probability**

**Assignments**

1. Collecting Data and Frequency Tables
2. Measures of Central Tendency
3. Line Plots
4. Stem-and-Leaf Plots
5. Quiz: Collecting and Analyzing Data
6. Alternate Quiz —Form A: Collecting and Analyzing Data*
7. Alternate Quiz —Form B: Collecting and Analyzing Data*
8. Bar Graphs
9. Line Graphs
10. Choosing the Right Graph
11. Quiz: Displaying Data
12. Alternate Quiz —Form A: Displaying Data*
13. Alternate Quiz —Form B: Displaying Data*
14. Probability
15. Probability as a Fraction
16. Listing Outcomes
17. Making Predictions
18. Quiz : Probability
19. Alternate Quiz —Form A: Probability*
20. Alternate Quiz —Form B: Probability*
21. Special Project*
22. Review
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

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Mathematics 500

## Unit 9: Geometry

**Assignments**

1. Geometry Terms
2. Angles
3. Circles
4. Quiz: Geometry
5. Alternate Quiz —Form A: Geometry*
6. Alternate Quiz —Form B: Geometry*
7. Polygons
8. Triangles
9. Quadrilaterals
10. Solid Figures
11. Quiz : Classifying Plane and Solid Figures
12. Alternate Quiz —Form A: Classifying Plane and Solid Figures*
13. Alternate Quiz —Form B: Classifying Plane and Solid Figures*
14. Similar and Congruent Figures
15. Transformations
16. Symmetry
17. Project: Constructions
18. Quiz : Transformations and Symmetry
19. Alternate Quiz —Form A: Transformations and Symmetry*
20. Alternate Quiz —Form B: Transformations and Symmetry*
21. Special Project*
22. Review
23. Test
24. Alternate Test—Form A*
25. Alternate Test—Form B*
26. Glossary and Credits

Mathematics 500

## Unit 10: Perimeter, Area, and Volume

**Assignments**

1. Polygons
2. Regular Polygons
3. Circumference
4. Quiz - Perimeter
5. Alternate Quiz - Form A: Perimeter*
6. Alternate Quiz - Form B: Perimeter*
7. Area
8. Squares and Rectangles
9. Parallelograms
10. Triangles
11. Quiz - Area
12. Alternate Quiz - Form A: Area*
13. Alternate Quiz - Form B: Area*
14. Surface Area
15. Volume
16. Solving Volume Problems
17. Project: Solid Figures
18. Quiz - Solid Figures
19. Alternate Quiz - Form A: Solid Figures*
20. Alternate Quiz - Form B: Solid Figures*
21. Special Project*
22. Review
23. Test
24. Alternate Test - Form A*
25. Alternate Test - Form B*
26. Glossary and Credits

Math 500

## Unit 11: Course Review and Exam

**Assignments**

1. Course Review 1
2. Course Review 2
3. Exam
4. Alternate Exam - Form A*
5. Alternate Exam - Form B*

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# Mathematics 600 Fundamentals

Math 600 Fundamentals is a full-year elementary math course focusing on number skills and numerical literacy, with an introduction to the number skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to statistical and probability concepts.

**By the end of the course, students will be expected to do the following:**

- Perform all four operations on whole numbers, decimals, and fractions.
- Factor numbers completely and find greatest common factors.
- Convert between fractions, decimals, and percentages.
- Represent numbers with exponents.
- Calculate perimeters and areas of regular plane shapes and measure angles.
- Plot ordered pairs on coordinate grids.
- Represent data on statistical charts, including picture, bar, line, and circle graphs.
- Calculate probabilities and make predictions.

Mathematics 600 Fundamentals

## Unit 1: Whole Numbers and Algebra

**Assignments**

1. Course Overview
2. Rounding and Estimation
3. Whole Number Operations
4. Real Number Properties
5. Quiz 1: Whole Numbers and Their Properties
6. Alternate Quiz 1: Form A: Whole Numbers and
7. Their Properties*
8. Alternate Quiz 1: Form B: Whole Numbers and
9. Their Properties*
10. Exponents
11. Squares, Cubes, and Roots
12. Order of Operations
13. Number Patterns
14. Quiz 2: Operations and Number Patterns
15. Alternate Quiz 2: Form A: Operations and Number Patterns*
14. Alternate Quiz 2: Form B: Operations and Number Patterns*
15. Variables
16. Expressions
17. Variable Expressions
18. Equations and Mental Math
19. Quiz 3: Algebra
20. Alternate Quiz 3: Form A: Algebra*
21. Alternate Quiz 3: Form B: Algebra*
22. Special Project*
23. Review
24. Test
25. Alternate Test: Form A*
26. Alternate Test: Form B*
27. Glossary and Credits

Mathematics 600 Fundamentals

## Unit 2: Data Analysis

**Assignments**

1. Collecting Data and the Mean
2. Median, Mode, and Range
3. Describing Data
4. Quiz 1: Collecting and Describing Data
5. Alternate Quiz 1: Form A: Collecting and Describing
6. Data*
7. Alternate Quiz 1: Form B: Collecting and Describing
8. Data*
9. Frequency Tables
10. Histograms
11. Line Plots
12. Stem-and-Leaf Plots
13. Quiz 2: Organizing Data
14. Alternate Quiz 2: Form A: Organizing Data*
15. Alternate Quiz 2: Form B: Organizing Data*
14. Bar Graphs
    Line Graphs
15. Venn Diagrams
16. Vertex-Edge Graphs
17. Quiz 3: Displaying and Interpreting Data
18. Alternate Quiz 3: Form A: Displaying and
19. Interpreting Data*
20. Alternate Quiz 3: Form B: Displaying and
21. Interpreting Data*
22. Special Project*
23. Review
24. Test
25. Alternate Test: Form A*
26. Alternate Test: Form B*
27. Glossary and Credits

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Mathematics 600 Fundamentals

## Unit 3: Decimals

**Assignments**

1. Decimals and Place Value
2. Ordering and Comparing
3. Rounding and Estimating
4. Adding and Subtracting
5. Quiz 1: Decimal Numbers
6. Alternate Quiz 1: Form A: Decimal Numbers*
7. Alternate Quiz 1: Form B: Decimal Numbers*
8. Multiplying by Whole Numbers
9. Multiplying by Decimals
10. Dividing by Whole Numbers
11. Dividing by Decimals
12. Quiz 2: Multiplying and Dividing Decimal Numbers
13. Alternate Quiz 2: Form A: Multiplying and Dividing Decimal Numbers*
14. Alternate Quiz 2: Form B: Multiplying and Dividing Decimals and Place Value
15. Length
16. Mass and Capacity
17. Multiplying and Dividing by Powers of Ten
18. Converting Metric Units
19. Quiz 3: The Metric System
20. Alternate Quiz 3: Form A: The Metric System*
21. Alternate Quiz 3: Form B: The Metric System*
22. Special Project*
23. Review
24. Test
25. Alternate Test: Form A*
26. Alternate Test: Form B*
27. Glossary and Credits

Mathematics 600 Fundamentals

## Unit 4: Fractions

**Assignments**

1. Divisibility and Prime Factorization
2. Greatest Common Factor
3. Fractions
4. Equivalent Fractions
5. Quiz 1: Factors and Fractions
6. Alternate Quiz 1: Form A: Factors and Fractions*
7. Alternate Quiz 1: Form B: Factors and Fractions*
8. Least Common Multiple
9. Comparing and Ordering Fractions
10. Improper Fractions and Mixed Numbers
11. Quiz 2: The LCM and Fractions
12. Alternate Quiz 2: Form A: The LCM and Fractions*
13. Alternate Quiz 2: Form B: The LCM and Fractions*
14. Changing Decimals to Fractions
15. Changing Fractions to Decimals
16. Estimating with Fractions
17. Measures of Time
18. Quiz 3: Decimals and Fractions
19. Alternate Quiz 3: Form A: Decimals and Fractions*
20. Alternate Quiz 3: Form B: Decimals and Fractions*
21. Special Project*
22. Review
23. Test
24. Alternate Test: Form A*
25. Alternate Test: Form B*
26. Glossary and Credits

Mathematics 600 Fundamentals

## Unit 5: Fraction Operations

**Assignments**

1. Fractions with Like Denominators
2. Fractions with Unlike Denominators
3. Mixed Numbers
4. Renaming Mixed Numbers
5. Quiz 1: Adding and Subtracting Fractions
6. Alternate Quiz 1: Form A: Adding and Subtracting
7. Fractions*
8. Alternate Quiz 1: Form B: Adding and Subtracting
9. Fractions*
10. Multiplying Fractions
11. Multiplying Mixed Numbers
12. Dividing Fractions
13. Dividing Mixed Numbers
    Quiz 2: Multiplying and Dividing Fractions
14. Alternate Quiz 2: Form A: Multiplying and Dividing Fractions*
14. Alternate Quiz 2: Form B: Multiplying and Dividing Fractions*
15. Length
16. Weight
17. Capacity
18. Quiz 3: The Customary System
19. Alternate Quiz 3: Form A: The Customary System*
20. Alternate Quiz 3: Form B: The Customary System*
21. Special Project*
22. Review
23. Test
24. Alternate Test: Form A*
25. Alternate Test: Form B*
26. Glossary and Credits

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Mathematics 600 Fundamentals

## Unit 6: Ratio, Proportion, and Percent

**Assignments**

1. Ratios
2. Geometry: Circumference
3. Rates
4. Quiz 1: Ratios
5. Alternate Quiz 1: Form A: Ratios*
6. Alternate Quiz 1: Form B: Ratios*
7. Proportions
8. Solving Proportions
9. Scale Drawings
10. Project: Make a Scale Drawing
11. Quiz 2: Proportions
12. Alternate Quiz 2: Form A: Proportions*
13. Alternate Quiz 2: Form B: Proportions*
14. Converting Between Decimals and Percents
15. Converting Between Fractions and Percents
16. Data Analysis: Circle Graphs
17. Percent of a Number
18. Quiz 3: Percent
19. Alternate Quiz 3: Form A: Percent*
20. Alternate Quiz 3: Form B: Percent*
21. Special Project*
22. Review
23. Test
24. Alternate Test: Form A*
25. Alternate Test: Form B*
26. Glossary and Credits

Mathematics 600 Fundamentals

## Unit 7: Probability and Geometry

**Assignments**

1. Introduction to Probability
2. Complementary Events
3. Sample Space
4. Project: Theoretical vs. Experimental Probability
5. Quiz 1: Probability
6. Alternate Quiz 1: Form A: Probability*
7. Alternate Quiz 1: Form B: Probability*
8. Introduction to Geometry
9. Measuring and Classifying Angles
10. Angle Relationships
11. Quiz 2: Geometry: Angles
12. Alternate Quiz 2: Form A: Geometry: Angles*
13. Alternate Quiz 2: Form B: Geometry: Angles*
14. Triangles
15. Quadrilaterals
16. Polygons
17. Congruent and Similar Figures
18. Quiz 3: Geometry: Polygons
19. Alternate Quiz 3: Form A: Geometry: Polygons*
20. Alternate Quiz 3: Form B: Geometry: Polygons*
21. Special Project*
22. Review
23. Test
24. Alternate Test: Form A*
25. Alternate Test: Form B*
26. Glossary and Credits

Mathematics 600 Fundamentals

## Unit 8: Geometry and Measurement

**Assignments**

1. Perimeter
2. Area of Parallelograms
3. Area of Triangles
4. Area of Composite Figures
5. Area of Circles
6. Project: Estimating Area
7. Quiz 1: Plane Figures
8. Alternate Quiz 1: Form A: Plane Figures*
9. Alternate Quiz 1: Form B: Plane Figures*
10. Solid Figures
11. Surface Area of Rectangular Prisms
12. Volume of Rectangular Prisms
13. Finding Missing Dimensions
14. Project: Triangular Prisms
15. Quiz 2: Solid Figures
16. Alternate Quiz 2: Form A: Solid Figures*
17. Alternate Quiz 2: Form B: Solid Figures*
18. Special Project*
19. Review
20. Test
21. Alternate Test: Form A*
22. Alternate Test: Form B*
23. Glossary and Credits

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## Unit 9: Integers and Transformations

**Assignments**

1. Integers
2. Comparing and Ordering Integers
3. Absolute Value
4. Coordinate Plane
5. Quiz 1: Integers
6. Alternate Quiz 1: Form A: Integers*
7. Alternate Quiz 1: Form B: Integers*
8. Addition
9. Subtraction
10. Multiplication
11. Division
12. Quiz 2: Integer Operations
13. Alternate Quiz 2:Form A: Integer Operations*
14. Alternate Quiz 2: Form B: Integer Operations*
15. Translations
16. Reflections and Rotations
17. Line Symmetry
18. Quiz 3: Transformations
19. Alternate Quiz 3: Form A: Transformations*
20. Alternate Quiz 3: Form B: Transformations*
21. Special Project*
22. Review
23. Test
24. Alternate Test: Form A*
25. Alternate Test: Form B*
26. Glossary and Credits

Mathematics 600 Fundamentals

## Unit 10: Equations and Functions

**Assignments**

1. Equations
2. Writing Equations
3. Addition Equations
4. Subtraction Equations
5. Quiz 1: Equations
6. Alternate Quiz 1: Form A: Equations*
7. Alternate Quiz 1: Form B: Equations*
8. Multiplication Equations
9. Division Equations
10. Inequalities
11. Graphing Inequalities
12. Quiz 2: More Equations and Inequalities
13. Alternate Quiz 2: Form A: More Equations and Inequalities*
14. Alternate Quiz 2: Form B: More Equations and Inequalities*
15. Functions
16. Function Rules
17. Graphing Functions
18. Quiz 3: Functions
19. Alternate Quiz 3: Form A: Functions*
20. Alternate Quiz 3: Form B: Functions*
21. Special Project*
22. Review
23. Test
24. Alternate Test: Form A*
25. Alternate Test: Form B*
26. Glossary and Credits

M600F

## Unit 11: Course Review and Exam

**Assignments**

1. Course Review 1
2. Course Review 2
3. Exam
4. Alternate Exam: Form A*
5. Alternate Exam: Form B*

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# Mathematics 600

Math 600 is a full-year elementary math course focusing on number skills and numerical literacy, with an introduction to rational numbers and the skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts.

- **Unit 1:** Identify, compare, and calculate problems with decimal numbers.
- **Unit 2:** Identify, reduce, compare, and represent fractions.
- **Unit 3:** Use division to solve problems involving fractions.
- **Unit 4:** Use ratios to solve problems, interpret data, and make comparisons.
- **Unit 5:** Use rates and percentages to solve problems.
- **Unit 6:** Calculate the measurements of geometric shapes.
- **Unit 7:** Identify and use rational numbers and their opposites.
- **Unit 8:** Identify, use, and compare expressions.
- **Unit 9:** Translate, write, and solve equations involving addition, subtraction, multiplication, and division.
- **Unit 10:** Interpret and describe data presented in various graphs.
- **Unit 11:** Review skills and concepts from throughout the course.

Mathematics 600

**Unit 1: Decimals**

**Assignments**

1. Course Overview
2. Decimals and Place Value
3. Comparing and Ordering Decimals
4. Rounding and Estimating
5. Adding and Subtracting
6. Quiz - Decimal Numbers
7. Alternate Quiz - Form A: Decimal Numbers*
8. Alternate Quiz - Form B: Decimal Numbers*
9. The Distributive Property and Multiplying
10. Multiplying by Whole Numbers
11. Multiplying by Decimals
12. Project: Decimals Performance Task A
13. Quiz: Multiplying Whole Numbers and Decimals
14. Alternate Quiz —Form A: Multiplying Whole Numbers and Decimals*
15. Alternate Quiz —Form B: Multiplying Whole Numbers and Decimals*
16. Dividing
17. Dividing by Whole Numbers
18. Multiplying and Dividing by Powers of Ten
19. Dividing by Decimals
20. Converting Metric Units
21. Project: Decimals Performance Task B
22. Quiz: Dividing, Powers of Ten, and Metric Units
23. Alternate Quiz—Form A: Dividing, Powers of Ten, and Metric Units
24. Alternate Quiz—Form B: Dividing, Powers of Ten, and Metric Units
25. Special Project*
26. Review
27. Test
28. Alternate Test - Form A*
29. Alternate Test - Form B*
30. Glossary and Credits

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Mathematics 600

## Unit 2: Fractions

**Assignments**

1. Divisibility and Prime Factorization
2. Greatest Common Factor
3. Fractions
4. Equivalent Fractions
5. Quiz: Factors and Fractions
6. Alternate Quiz—Form A: Factors and Fractions*
7. Alternate Quiz—Form B: Factors and Fractions*
8. Least Common Multiple
9. Project: Fractions Performance Task A
10. Comparing and Ordering Fractions
11. Improper Fractions and Mixed Numbers
12. Fractions and Decimals
13. Quiz: The LCM and Fractions
14. Alternate Quiz—Form A: The LCM and Fractions*
15. Alternate Quiz—Form B: The LCM and Fractions*
16. Estimating with Fractions
17. Multiplying Fractions
18. Multiplying Mixed Numbers
19. Project: Fractions Performance Task B
20. Quiz: Estimating and Multiplying Fractions
21. Alternate Quiz—Form A: Estimating and Multiplying Fractions*
22. Alternate Quiz—Form B: Estimating and Multiplying Fractions*
23. Special Project*
24. Review
25. Test
26. Alternate Test—Form A*
27. Alternate Test—Form B*
28. Glossary and Credits

Mathematics 600

## Unit 3: Dividing Fractions

**Assignments**

1. Dividing with Unit Fractions
2. Dividing Whole Numbers by Fractions
3. Dividing Fractions by Whole Numbers
4. Dividing Fractions by Fractions
5. Project: Dividing Fractions Performance Task A
6. Quiz: Dividing with Fractions Using a Visual Model
7. Alternate Quiz—Form A: Dividing with Fractions Using a Visual Model*
8. Alternate Quiz—Form B: Dividing with Fractions Using a Visual Model*
9. Dividing Fractions
10. Dividing Mixed Numbers
11. Division in Real Life
12. Project: Dividing Fractions Performance Task B
13. Quiz: Dividing Fractions Using an Equation
14. Alternate Quiz—Form A: Dividing Fractions Using an Equation*
15. Alternate Quiz—Form B: Dividing Fractions Using an Equation*
16. Special Project*
17. Review
18. Test
19. Alternate Test—Form A*
20. Alternate Test—Form B*
21. Glossary and Credits

Mathematics 600

## Unit 4: Ratios

**Assignments**

1. Ratios
2. Equivalent Ratios
3. Solving Ratio Problems
4. More Ratio Problems
5. Project: Ratios Performance Task A
6. Quiz: Introduction to Ratios
7. Alternate Quiz—Form A: Introduction to Ratios*
8. Alternate Quiz—Form B: Introduction to Ratios*
9. The Value of a Ratio
10. Comparing Ratios
11. Double Number Lines
12. Equations
13. Project: Ratios Performance Task B
14. Quiz: Using the Value of a Ratio
15. Alternate Quiz—Form A: Using the Value of a Ratio*
16. Alternate Quiz—Form B: Using the Value of a Ratio*
17. Special Project*
18. Review
19. Test
20. Alternate Test—Form A*
21. Alternate Test—Form B*
22. Glossary and Credits

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## Unit 5: Rates and Percent

**Assignments**

1. Rates
2. Rates and Ratios
3. Solving Rate Problems
4. Quiz: Rates
5. Alternate Quiz—Form A: Rates*
6. Alternate Quiz—Form B: Rates*
7. Converting Measurement
8. Comparison Shopping
9. Speed and Work Problems
10. Project: Rates and Percent Performance Task A
11. Quiz: Applying Ratios and Rates
12. Alternate Quiz —Form A: Applying Ratios and Rates*
13. Alternate Quiz —Form B: Applying Ratios and Rates*
14. Percents and Fractions
15. Percents and Decimals
16. Percent of a Number
17. Solving Percent Problems
18. Project: Job, Salary, and Lifetime Income
19. Project: Rates and Percent Performance Task B
20. Quiz: Percents
21. Alternate Quiz—Form A: Percents*
22. Alternate Quiz—Form B: Percents*
23. Special Project*
24. Review
25. Test
26. Alternate Test—Form A*
27. Alternate Test—Form B*
28. Glossary and Credits

Mathematics 600

## Unit 6: Geometry and Measure

**Assignments**

1. Polygons
2. Area of a Parallelogram
3. Area of Triangles
4. Area of Composite Figures
5. Project: Geometry and Measurement Performance Task A
6. Quiz: Plane Figures
7. Alternate Quiz —Form A: Plane Figures*
8. Alternate Quiz —Form B: Plane Figures*
9. Solid Figures
10. Volume
11. More Volume
12. Quiz: Solid Figures and Volume
13. Alternate Quiz —Form A: Solid Figures and Volume*
14. Alternate Quiz —Form B: Solid Figures and Volume*
15. Surface Area of Rectangular Prisms
16. Surface Area of Triangular Prisms
17. Surface Area of Pyramids
18. Project: Geometry and Measurement Performance Task B
19. Quiz: Solid Figures and Surface Area
20. Alternate Quiz —Form A: Solid Figures and Surface Area*
21. Alternate Quiz —Form B: Solid Figures and Surface Area*
22. Special Project*
23. Review
24. Test
25. Alternate Test—Form A*
26. Alternate Test—Form B*
27. Glossary and Credits
28. Surface Area of Rectangular Prisms

Mathematics 600

## Unit 7: Rational Numbers

**Assignments**

1. Integers
2. Integers in Real Life
3. The Opposite of a Number
4. Rational Numbers
5. Quiz: Rational Numbers
6. Alternate Quiz —Form A: Rational Numbers*
7. Alternate Quiz —Form B: Rational Numbers*
8. Comparing Integers and Rational Numbers
9. Ordering Integers and Rational Numbers
10. Absolute Value
11. Ordering and Absolute Value in Real Life
12. Project: Rational Numbers Performance Task A
13. Quiz: Comparing, Ordering, and Absolute Value
14. Alternate Quiz —Form A: Comparing, Ordering, and Absolute Value*
15. Alternate Quiz —Form B: Comparing, Ordering, and Absolute Value*
16. The Coordinate Plane
17. Reflections on the Coordinate Plane
18. Distance on the Coordinate Plane
19. Polygons on the Coordinate Plane
20. Project: Rational Numbers Performance Task B
21. Quiz : The Coordinate Plane
22. Alternate Quiz —Form A: The Coordinate Plane*
23. Alternate Quiz —Form B: The Coordinate Plane*
24. Special Project*
25. Review
26. Test
27. Alternate Test—Form A*
28. Alternate Test—Form B*
29. Glossary and Credits

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Mathematics 600

## Unit 8: Numerical and Algebraic Expressions

**Assignments**

1. Real Number Properties
2. Exponents
3. Squares, Cubes, and Roots
4. Order of Operations
5. Project: Numerical and Algebraic Expressions Performance Task A
6. Quiz : Numerical Expressions
7. Alternate Quiz —Form A: Numerical Expressions*
8. Alternate Quiz —Form B: Numerical Expressions*
9. Variables
10. Expressions
11. Simplifying Algebraic Expressions
12. More Simplifying Algebraic Expressions
13. Quiz: Algebraic Expressions
14. Alternate Quiz —Form A: Algebraic Expressions*
15. Alternate Quiz —Form B: Algebraic Expressions*
16. The Distributive Property
17. Factoring Expressions
18. Project: Numerical and Algebraic Expressions Performance Task B
19. Equations and Mental Math
20. Quiz: Expressions and Equations
21. Alternate Quiz —Form A: Expressions and Equations*
22. Alternate Quiz —Form B: Expressions and Equations*
23. Special Project*
24. Review
25. Test
26. Alternate Test—Form A*
27. Alternate Test—Form B*
28. Glossary and Credits

Mathematics 600

## Unit 9: Equations and Functions

**Assignments**

1. Equations
2. Writing Equations
3. Addition Equations
4. Subtraction Equations
5. Problem Set - Subtraction
6. Quiz : Equations
7. Alternate Quiz —Form A: Equations*
8. Alternate Quiz —Form B: Equations*
9. Multiplication Equations
10. Division Equations
11. Inequalities
12. Graphing Inequalities
13. Project: Equations and Functions Performance Task A
14. Quiz: More Equations and Inequalities
15. Alternate Quiz —Form A: More Equations and Inequalities*
16. Alternate Quiz —Form B: More Equations and Inequalities*
17. Functions
18. Function Rules
19. Graphing Functions
20. Proportional Relationships
21. Project: Equations and Functions Performance Task B
22. Quiz: Functions
23. Alternate Quiz —Form A: Functions*
24. Alternate Quiz —Form B: Functions*
25. Special Project*
26. Review
27. Test
28. Alternate Test—Form A*
29. Alternate Test—Form B*
30. Glossary and Credits

Mathematics 600

## Unit 10: Data Analysis

**Assignments**

1. Collecting Data and the Mean
2. Median, Mode, and Range
3. Describing Data
4. Mean Absolute Deviation
5. Project: Data Analysis Performance Task A
6. Quiz: Collecting and Describing Data
7. Alternate Quiz —Form A: Collecting and Describing Data*
8. Alternate Quiz —Form B: Collecting and Describing Data*
9. Frequency Tables
10. Histograms
11. Dot Plots
12. Stem-and-Leaf Plots
13. Quiz: Organizing Data
14. Alternate Quiz —Form A: Organizing Data*
15. Alternate Quiz —Form B: Organizing Data*
16. Box Plots
17. More Box Plots
18. Summarizing Data Sets
19. Project: Paying for College
20. Project: Data Analysis Performance Task B
21. Quiz: Displaying and Interpreting Data
22. Alternate Quiz —Form A: Displaying and Interpreting Data*
23. Alternate Quiz —Form B: Displaying and Interpreting Data*
24. Special Project*
25. Review
26. Test
27. Alternate Test—Form A*
28. Alternate Test—Form B*
29. Glossary and Credits

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Math 600

**Unit 11: Course Review and Exam**

**Assignments**

1. Course Review 1
2. Course Review 2
3. Exam
4. Alternate Exam—Form A*
5. Alternate Exam—Form B*
6. Alternate Exam—Form C*

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# Mathematics 700 Fundamentals

Mathematics 700 Fundamentals is designed to prepare junior-high students for Pre-algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

- **Integers**: Students will learn how to locate, add, subtract, multiply, and divide integers to solve word problems, as well as compare integers using absolute value and the order of operation.
- **Fractions**: Students will understand how fractions can be written into other forms without changing their value, and how to add, subtract, multiply, and divide fractions.
- **Decimals**: Students will explore how to rewrite fractions as decimals, and how to use decimals to solve real-world problems.
- **Patterns and Equations**: Students will learn how to translate words into equations and use them to solve number patterns.
- **Ratios and Proportions**: Students will explore how to use ratios to compare numbers, solve proportions, and convert between percents, decimals, and fractions.
- **Probability and Graphing**: Students will be able to determine the probability of an event, and if they are independent or dependent events, as well as create a graph of an equation.
- **Data Analysis**: Students will learn how to interpret statistics using stem-and-leaf plots, histograms, and other graphical means.
- **Geometry**: Students will explore how points, lines, and planes interact and how to solve equations using their information.
- **Measurement and Area**: Students will learn about finding perimeters and areas of different polygons, and using the Pythagorean theorem to solve problems.
- **Surface Area and Volume**: Students will explore three-dimensional figures and how to find their surface area, volume of them.

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Mathematics 700 Fundamentals

## Unit 1: Integers

**Assignments**

1. Course Overview
2. Integers on the Number Line
3. Comparing and Ordering Integers
4. Absolute Value
5. Quiz 1: Integers
6. Alternate Quiz 1 - Form A: Integers*
7. Alternate Quiz 1 - Form B: Integers*
8. Adding Integers with the Same Sign
9. Adding Integers with Different Signs
10. Subtracting Integers
11. Quiz 2: Adding and Subtracting Integers
12. Alternate Quiz 2 - Form A: Adding and Subtracting Integers*
13. Alternate Quiz 2 - Form B: Adding and Subtracting Integers*
14. Multiplying Integers
15. Dividing Integers
16. Using Integers
17. Quiz 3: Multiplying and Dividing Integers
18. Alternate Quiz 3 - Form A: Multiplying and Dividing Integers*
19. Alternate Quiz 3 - Form B: Multiplying and Dividing Integers*
20. The Real Number System
21. Real Number Properties
22. The Distributive Property
23. Order of Operations
24. Exponents and the Order of Operations
25. Quiz 4: The Real Number System
26. Alternate Quiz 4 - Form A: The Real Number System*
27. Alternate Quiz 4 - Form B: The Real Number System*
28. Special Project*
29. Review
30. Test
31. Alternate Test - Form A*
32. Alternate Test - Form B*
33. Glossary and Credits

Mathematics 700 Fundamentals

## Unit 2: Fractions

**Assignments**

1. Fractions and Mixed Numbers
2. Equivalent Fractions
3. Divisibility Rules and Prime Factorization
4. Greatest Common Factor and Least Common Multiple
5. Quiz 1: Working with Fractions
6. Alternate Quiz 1 - Form A: Working with Fractions*
7. Alternate Quiz 1 - Form B: Working with Fractions*
8. Adding and Subtracting Fractions with Like Denominators
9. Adding and Subtracting Fractions with Unlike Denominators
10. Reducing Fractions
11. Quiz 2: Adding and Subtracting Fractions
12. Alternate Quiz 2 - Form A: Adding and Subtracting Fractions*
13. Alternate Quiz 2 - Form B: Adding and Subtracting Fractions*
14. Comparing and Ordering Fractions
15. Multiplying Fractions
16. Dividing Fractions
17. Quiz 3: Multiplying and Dividing Fractions
18. Alternate Quiz 3 - Form A: Multiplying and Dividing Fractions*
19. Alternate Quiz 3 - Form B: Multiplying and Dividing Fractions*
20. Project: Chef for a Day
21. Special Project*
22. Review
23. Test
24. Alternate Test - Form A*
25. Alternate Test - Form B*
26. Glossary and Credits

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Mathematics 700 Fundamentals

## Unit 3: Decimals

**Assignments**

1. Comparing and Ordering Decimals
2. Rounding and Estimating Decimals
3. Adding and Subtracting Decimals
4. Multiplying and Dividing Decimals
5. Quiz 1: Decimals and Their Operations
6. Alternate Quiz 1 - Form A: Decimals and Their Operations*
7. Alternate Quiz 1 - Form B: Decimals and Their Operations*
8. Terminating and Repeating Decimals
9. Fractions as Decimals
10. Using Decimals
11. Scientific Notation
12. The Metric System
13. Quiz 2: Applying Decimals
14. Alternate Quiz 2 - Form A: Applying Decimals*
15. Alternate Quiz 2 - Form B: Applying Decimals*
16. Special Project*
17. Review
18. Test
19. Alternate Test - Form A*
20. Alternate Test - Form B*
21. Glossary and Credits

Mathematics 700 Fundamentals

## Unit 4: Patterns and Equations

**Assignments**

1. Working with Variables and Expressions
2. Translating Word Sentences
3. Evaluating Expressions
4. Using Formulas to Solve Problems
5. Quiz 1: Variable Expressions
6. Alternate Quiz 1 - Form A: Variable Expressions*
7. Alternate Quiz 1 - Form B: Variable Expressions*
8. Identifying Number Patterns
9. Describing Number Patterns
10. Identifying Functions
11. Identifying Function Rules
12. Quiz 2: Patterns and Functions
13. Alternate Quiz 2 - Form A: Patterns and Functions*
14. Alternate Quiz 2 - Form B: Patterns and Functions*
15. Solving Equations Using Mental Math
16. Solving Equations Using Addition and Subtraction
17. Solving Equations Using Multiplication and Division
18. Quiz 3: Solving Equations
19. Alternate Quiz 3 - Form A: Solving Equations*
20. Alternate Quiz 3 - Form B: Solving Equations*
21. Solving Two-Step Equations
22. Working with Inequalities
23. Solving One-Step Inequalities
24. Quiz 4: Equations and Inequalities
25. Alternate Quiz 4 - Form A: Equations and Inequalities*
26. Alternate Quiz 4 - Form B: Equations and Inequalities*
27. Special Project*
28. Review
29. Test
30. Alternate Test - Form A*
31. Alternate Test - Form B*
32. Glossary and Credits

Mathematics 700 Fundamentals

## Unit 5: Ratios and Proportions

**Assignments**

1. Ratios
2. Rates
3. Proportions
4. Quiz 1: Ratios, Rates, and Proportions
5. Alternate Quiz 1 - Form A: Ratios, Rates, and Proportions*
6. Alternate Quiz 1 - Form B: Ratios, Rates, and Proportions*
7. Converting Customary Units
8. Converting Metric Units
9. Similarity
10. Scale Drawings
11. Quiz 2: Using Proportions
12. Alternate Quiz 2 - Form A: Using Proportions*
13. Alternate Quiz 2 - Form B: Using Proportions*
14. Converting Between Fractions, Decimals, and Percents
15. Percent of a Number
16. Percent of Change
17. Solving Percent Problems Using Proportions
18. Solving Percent Problems Using Equations
19. Quiz 3: Fractions, Decimals, and Percents
20. Alternate Quiz 3 - Form A: Fractions, Decimals, and Percents*
21. Alternate Quiz 3 - Form B: Fractions, Decimals, and Percents*
22. Special Project*
23. Review
24. Test
25. Alternate Test - Form A*
26. Alternate Test - Form B*
27. Glossary and Credits

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## Unit 6: Probability and Graphing

**Assignments**

1. Theoretical Probability
2. Experimental Probability
3. Sample Space
4. Independent and Dependent Events
5. Quiz 1: Probability
6. Alternate Quiz 1 - Form A: Probability*
7. Alternate Quiz 1 - Form B: Probability*
8. Graphing Ordered Pairs
9. Graphing Linear Equations
10. Slope
11. Direct Variation
12. Quiz 2: Functions
13. Alternate Quiz 2 - Form A: Functions*
14. Alternate Quiz 2 - Form B: Functions*
15. Special Project*
16. Review
17. Test
18. Alternate Test - Form A*
19. Alternate Test - Form B*
20. Glossary and Credits

Mathematics 700 Fundamentals

## Unit 7: Data Analysis

**Assignments**

1. Collecting Data
2. Determining Mean, Median, and Mode
3. Using Mean, Median, and Mode
4. Using Range
5. Quiz 1: Describing Data
6. Alternate Quiz 1 - Form A: Describing Data*
7. Alternate Quiz 1 - Form B: Describing Data*
8. Box-and-Whisker Plots
9. Stem-and-Leaf Plots
10. Histograms
11. Other Graphs
12. Quiz 2: Organizing Data
13. Alternate Quiz 2 - Form A: Organizing Data*
14. Alternate Quiz 2 - Form B: Organizing Data*
15. Line Graphs
16. Bar Graphs
17. Circle Graphs
18. Scatter Plots
19. Quiz 3: Graphing Data and Making Predictions
20. Alternate Quiz 3 - Form A: Graphing Data and Making Predictions*
21. Alternate Quiz 3 - Form B: Graphing Data and Making Predictions*
22. Special Project*
23. Review
24. Test
25. Alternate Test - Form A*
26. Alternate Test - Form B*
27. Glossary and Credits

Mathematics 700 Fundamentals

## Unit 8: Geometry

**Assignments**

1. Introduction to Geometry
2. Special Pairs of Angles
3. Polygons
4. Circles
5. Quiz 1: Basic Geometry
6. Alternate Quiz 1 - Form A: Basic Geometry*
7. Alternate Quiz 1 - Form B: Basic Geometry*
8. Project: Inscribed Polygons
9. Triangles
10. Quadrilaterals
11. Similar Polygons
12. Quiz 2: Classifying Polygons
13. Alternate Quiz 2 - Form A: Classifying Polygons*
14. Alternate Quiz 2 - Form B: Classifying Polygons*
15. Symmetry
16. Reflections
17. Translations
18. Compound Transformations
19. Quiz 3: Transformations
20. Alternate Quiz 3 - Form A: Transformations*
21. Alternate Quiz 3 - Form B: Transformations*
22. Special Project*
23. Review
24. Test
25. Alternate Test - Form A*
26. Alternate Test - Form B*
27. Glossary and Credits

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## Unit 9: Measurement and Area

**Assignments**

1. Perimeter
2. Circumference
3. Composite Figures
4. Quiz 1: Perimeter
5. Alternate Quiz 1 - Form A: Perimeter*
6. Alternate Quiz 1 - Form B: Perimeter*
7. Area of Parallelograms
8. Area of Triangles and Trapezoids
9. Area of Circles
10. Area of Composite Figures
11. Dimension Changes
12. Quiz 2: Area
13. Alternate Quiz 2 - Form A: Area*
14. Alternate Quiz 2 - Form B: Area*
15. Squares and Square Roots
16. The Pythagorean Theorem
17. Applying the Pythagorean Theorem
18. Quiz 3: The Pythagorean Theorem
19. Alternate Quiz 3 - Form A: The Pythagorean Theorem*
20. Alternate Quiz 3 - Form B: The Pythagorean Theorem*
21. Special Project*
22. Review
23. Test
24. Alternate Test - Form A*
25. Alternate Test - Form B*
26. Glossary and Credits

Mathematics 700 Fundamentals

## Unit 10: Surface Area and Volume

**Assignments**

1. Classifying and Identifying Solids
2. Nets
3. Surface Area and Volume
4. Quiz 1: Solids
5. Alternate Quiz 1 - Form A: Solids*
6. Alternate Quiz 1 - Form B: Solids*
7. Surface Area of Rectangular Prisms
8. Volume of Rectangular Prisms
9. Surface Area of Triangular Prisms
10. Volume of Triangular Prisms
11. Quiz 2: Prisms
12. Alternate Quiz 2 - Form A: Prisms*
13. Alternate Quiz 2 - Form B: Prisms*
14. Surface Area of Cylinders
15. Volume of Cylinders
16. Dimension Changes
17. Quiz 3: Cylinders
18. Alternate Quiz 3 - Form A: Cylinders*
19. Alternate Quiz 3 - Form B: Cylinders*
20. Special Project*
21. Review
22. Test
23. Alternate Test - Form A*
24. Alternate Test - Form B*
25. Glossary and Credits

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## Unit 11: Course Review and Exam

**Assignments**

1. Course Review 1
2. Course Review 2
3. Exam
4. Alternate Exam - Form A*
5. Alternate Exam - Form B*

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# Mathematics 700

Mathematics 700 is designed to prepare junior-high students for Pre-algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

- **Integers**: Students will learn how to locate, add, subtract, multiply, and divide integers to solve word problems, as well as compare integers using absolute value and the order of operation.
- **Fractions**: Students will understand how fractions can be written into other forms without changing their value, and how to add, subtract, multiply, and divide fractions.
- **Decimals**: Students will explore how to rewrite fractions as decimals, and how to use decimals to solve real-world problems.
- **Patterns and Equations**: Students will learn how to translate words into equations and use them to solve number patterns.
- **Ratios and Proportions**: Students will explore how to use ratios to compare numbers, solve proportions, and convert between percents, decimals, and fractions.
- **Probability and Graphing**: Students will be able to determine the probability of an event, and if they are independent or dependent events, as well as create a graph of an equation.
- **Data Analysis**: Students will learn how to interpret statistics using stem-and-leaf plots, histograms, and other graphical means.
- **Geometry**: Students will explore how points, lines, and planes interact and how to solve equations using their information.
- **Measurement and Area**: Students will learn about finding perimeters and areas of different polygons, and using the Pythagorean theorem to solve problems.
- **Surface Area and Volume**: Students will explore three-dimensional figures and how to find their surface area, volume of them.

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Mathematics 700

## Unit 1: Integers

**Assignments**

1. Course Overview
2. Integers on the Number Line
3. Comparing and Ordering Integers
4. Absolute Value
5. Quiz 1: Integers
6. Alternate Quiz 1—Form A: Integers*
7. Alternate Quiz 1—Form B: Integers*
8. Adding Integers with the Same Sign
9. Adding Integers with Different Signs
10. Subtracting Integers
11. Quiz 2: Adding and Subtracting Integers
12. Alternate Quiz 2—Form A: Adding and Subtracting Integers*
13. Alternate Quiz 2—Form B: Adding and Subtracting Integers*
14. Multiplying Integers
15. Dividing Integers
16. Using Integers
17. Performance Task
18. Quiz 3: Multiplying and Dividing Integers
19. Alternate Quiz 3—Form A: Multiplying and Dividing Integers*
20. Alternate Quiz 3—Form B: Multiplying and Dividing Integers*
21. The Real Number System
22. Real Number Properties
23. The Distributive Property
24. Order of Operations
25. Exponents and the Order of Operations
26. Performance Task
27. Quiz 4: The Real Number System*
28. Alternate Quiz 4—Form A: The Real Number System*
29. Alternate Quiz 4—Form B: The Real Number System*
30. Special Project*
31. Review
32. Test
33. Alternate Test—Form A*
34 Alternate Test—Form B*
35. Glossary and Credits

Mathematics 700

## Unit 2: Fractions

**Assignments**

1. Fractions and Mixed Numbers
2. Equivalent Fractions
3. Divisibility Rules and Prime Factorization
4. Greatest Common Factor and Least Common Multiple
5. Quiz 1: Working with Fractions
6. Alternate Quiz 1 - Form A: Working with Fractions*
7. Alternate Quiz 1 - Form B: Working with Fractions*
8. Adding and Subtracting Fractions with Like Denominators
9. Adding and Subtracting Fractions with Unlike Denominators
10. Reducing Fractions
11. Performance Task*
12. Quiz 2: Adding and Subtracting Fractions
13. Alternate Quiz 2 - Form A: Adding and Subtracting Fractions*
14. Alternate Quiz 2 - Form B: Adding and Subtracting Fractions*
15. Comparing and Ordering Fractions
16. Multiplying Fractions
17. Dividing Fractions
18. Performance Task
19. Quiz 3: Multiplying and Dividing Fractions
20. Alternate Quiz 3 - Form A: Multiplying and Dividing Fractions*
21. Alternate Quiz 3 - Form B: Multiplying and Dividing Fractions*
22. Project: Chef for a Day
23. Special Project*
24. Review
25. Test
26. Alternate Test - Form A*
27. Alternate Test - Form B*
28. Glossary and Credits

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## Unit 3: Decimals

**Assignments**

1. Comparing and Ordering Decimals
2. Rounding and Estimating Decimals
3. Adding and Subtracting Decimals
4. Multiplying and Dividing Decimals
5. Performance Task*
6. Quiz 1: Decimals and Their Operations
7. Alternate Quiz 1 - Form A: Decimals and Their Operations*
8. Alternate Quiz 1 - Form B: Decimals and Their Operations*
9. Terminating and Repeating Decimals
10. Fractions as Decimals
11. Using Decimals
12. Performance Task
13. Scientific Notation
14. The Metric System
15. Quiz 2: Applying Decimals
16. Alternate Quiz 2 - Form A: Applying Decimals*
17. Alternate Quiz 2 - Form B: Applying Decimals*
18. Special Project*
19. Review
20. Test
21. Alternate Test - Form A*
22. Alternate Test - Form B*
23. Glossary and Credits

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## Unit 4: Patterns and Equations

**Assignments**

1. Working with Variables and Expressions
2. Adding and Subtracting Algebraic Expressions
3. Expanding and Factoring Variable Expressions
4. Evaluating Expressions
5. Using Formulas to Solve Problems
6. Performance Task
7. Quiz 1: Variable Expressions
8. Alternate Quiz 1—Form A: Variable Expressions*
9. Alternate Quiz 1—Form B: Variable Expressions*
10. Identifying Number Patterns
11. Describing Number Patterns
12. Identifying Functions
13. Identifying Function Rules
14. Quiz 2: Patterns and Functions
15. Alternate Quiz 2—Form A: Patterns and Functions*
16. Alternate Quiz 2—Form B: Patterns and Functions*
17. Translating Word Sentences
18. Solving Equations Using Mental Math
19. Solving Equations Using Addition and Subtraction
20. Solving Equations Using Multiplication and Division
21. Quiz 3: Solving Equations
22. Alternate Quiz 3—Form A: Solving Equations*
23. Alternate Quiz 3—Form B: Solving Equations*
24. Solving Two-Step Equations
25. Working with Inequalities
26. Solving One-Step Inequalities
27. Solving Two-Step Inequalities
28. Performance Task
29. Quiz 4: Equations and Inequalities
30. Alternate Quiz 4—Form A: Equations and Inequalities*
31. Alternate Quiz 4—Form B: Equations and Inequalities*
32. Special Project*
33. Review
34. Test
35. Alternate Test—Form A*
36. Alternate Test—Form B *
37. Glossary and Credits

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## Unit 5: Ratios and Proportions

**Assignments**

1. Ratios
2. Rates
3. Proportions
4. Quiz 1: Ratios, Rates, and Proportions
5. Alternate Quiz 1: Form A: Ratios, Rates, and Proportions*
6. Alternate Quiz 1: Form B: Ratios, Rates, and Proportions*
7. Converting Customary Units
8. Converting Metric Units
9. Similarity
10. Scale Drawings
11. Performance Task
12. Quiz 2: Using Proportions
13. Alternate Quiz 2: Form A: Using Proportions*
14. Alternate Quiz 2: Form B: Using Proportions*
15. Converting Between Fractions, Decimals, and Percents
16. Percent of a Number
17. Percent of Change
18. Solving Percent Problems Using Proportions
19. Solving Percent Problems Using Equations
20. Performance Task
21. Quiz 3: Fractions, Decimals, and Percents
22. Alternate Quiz 3: Form A: Fractions, Decimals, and Percents*
23. Alternate Quiz 3: Form B: Fractions, Decimals, and Percents*
24. Special Project*
25. Review
26. Test
27. Alternate Test: Form A*
28. Alternate Test: Form B*
29. Glossary and Credits

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## Unit 6: Probability and Graphing

**Assignments**

1. Theoretical Probability
2. Experimental Probability
3. Sample Space
4. Performance Task
5. Independent and Dependent Events
6. Quiz 1: Probability
7. Alternate Quiz 1: Form A: Probability*
8. Alternate Quiz 1: Form B: Probability*
9. Graphing Ordered Pairs
10. Graphing Linear Equations
11. Slope
12. Direct Variation
13. Performance Task
14. Quiz 2: Functions
15. Alternate Quiz 2: Form A: Functions*
16. Alternate Quiz 2: Form B: Functions*
17. Special Project*
18. Review
19. Test
20. Alternate Test: Form A*
21. Alternate Test: Form B*
22. Glossary and Credits

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## Unit 7: Data Analysis

**Assignments**

1. Collecting Data
2. Determining Mean, Median, and Mode
3. Using Mean, Median, and Mode
4. Using Range
5. Mean Absolute Deviation
6. Quiz 1: Describing Data
7. Alternate Quiz 1: Form A: Describing Data*
8. Alternate Quiz 1: Form B: Describing Data*
9. Dot Plots
10. Box-and-Whisker Plots
11. Performance Task
12. Stem-and-Leaf Plots
13. Histograms
14. Other Graphs
15. Quiz 2: Organizing Data
16. Alternate Quiz 2: Form A: Organizing Data*
17. Alternate Quiz 2: Form B: Organizing Data*
18. Line Graphs
19. Bar Graphs
20. Circle Graphs
21. Performance Task
22. Scatter Plots
23. Quiz 3: Graphing Data and Making Predictions
24. Alternate Quiz 3: Form A: Graphing Data and Making Predictions*
25. Alternate Quiz 3: Form B: Graphing Data and Making Predictions*
26. Financial Assets and Liabilities
27. Personal Financial Skills
28. Quiz 4: Financial Skills
29. Alternate Quiz 4: Form A: Financial Skills
30. Alternate Quiz 4: Form B: Financial Skills
31. Special Project*
32. Review
33. Test
34. Alternate Test: Form A*
35. Alternate Test: Form B*
36. Glossary and Credits

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## Unit 8: Geometry

**Assignments**

1. Introduction to Geometry
2. Special Pairs of Angles
3. Polygons
4. Circles
5. Performance Task
6. Quiz 1: Basic Geometry
7. Alternate Quiz 1: Form A: Basic Geometry*
8. Alternate Quiz 1: Form B: Basic Geometry*
9. Project: Inscribed Polygons
10. Triangles
11. Quadrilaterals
12. Drawing Triangles and Quadrilaterals
13. Similar Polygons
14. Performance Task
15. Quiz 2: Classifying Polygons
16. Alternate Quiz 2: Form A: Classifying Polygons*
17. Alternate Quiz 2: Form B: Classifying Polygons*
18. Symmetry
19. Reflections
20. Translations
21. Compound Transformations
22. Quiz 3: Transformations
23. Alternate Quiz 3: Form A: Transformations*
24. Alternate Quiz 3: Form B: Transformations*
25. Special Project*
26. Review
27. Test
28. Alternate Test: Form A*
29. Alternate Test: Form B*
30. Glossary and Credits

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## Unit 9: Measurement and Area

**Assignments**

1. Perimeter
2. Circumference
3. Composite Figures
4. Performance Task
5. Quiz 1: Perimeter
6. Alternate Quiz 1: Form A: Perimeter*
7. Alternate Quiz 1: Form B: Perimeter*
8. Area of Parallelograms
9. Area of Triangles and Trapezoids
10. Area of Circles
11. Area of Composite Figures
12. Dimension Changes
13. Quiz 2: Area
14. Alternate Quiz 2: Form A: Area*
15. Alternate Quiz 2: Form B: Area*
16. Squares and Square Roots
17. Performance Task
18. The Pythagorean Theorem
19. Applying the Pythagorean Theorem
20. Quiz 3: The Pythagorean Theorem
21. Alternate Quiz 3: Form A: The Pythagorean Theorem*
22. Alternate Quiz 3: Form B: The Pythagorean Theorem*
23. Special Project*
24. Review
25. Test
26. Alternate Test: Form A*
27. Alternate Test: Form B*
28. Glossary and Credits

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## Unit 10: Surface Area and Volume

**Assignments**

1. Classifying and Identifying Solids
2. Nets and Cross Sections
3. Surface Area and Volume
4. Quiz 1: Solids
5. Alternate Quiz 1: Form A: Solids*
6. Alternate Quiz 1: Form B: Solids*
7. Surface Area of Rectangular Prisms
8. Volume of Rectangular Prisms
9. Performance Task
10. Surface Area of Triangular Prisms
11. Volume of Triangular Prisms
12. Quiz 2: Prisms
13. Alternate Quiz 2: Form A: Prisms*
14. Alternate Quiz 2: Form B: Prisms*
15. Surface Area of Cylinders
16. Volume of Cylinders
17. Dimension Changes
18. Performance Task
19. Quiz 3: Cylinders
20. Alternate Quiz 3: Form A: Cylinders*
21. Alternate Quiz 3: Form B: Cylinders*
22. Special Project*
23. Review
24. Test
25. Alternate Test: Form A*
26. Alternate Test: Form B*
27. Glossary and Credits

Mathematics 700

## Unit 11: Course Review and Exam

**Assignments**

1. Review 1
2. Review 2
3. Final Exam
4. Alternate Final Exam - Form A*
5. Alternate Final Exam - Form B*
6. Performance Task 1*
7. Performance Task 2*
8. Performance Task 3*
9. Performance Task 4*

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## Unit 12: End of Course Exam

**Assignments**

1. Exam*
2. Alternate Exam - Form A*
3. Alternate Exam - Form B*

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# Mathematics 800 Fundamentals

Mathematics 800 Fundamentals is an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

- The Real Number System: Student will explore different properties of numbers, and how to use them to simplify expressions and formulas to make computations easier.
- Modeling Problems in Integers: Student will translate and solve one-step equations, or two-step equations in context, and check solutions for reasonableness, using the order of operations, and by substituting values for variables.
- Modeling Problems with Rational Numbers: Student will add, subtract, multiply, and divide decimals, fractions, and mixed numbers with variables, likes, and unlike denominators to solve one and two-step word problems.
- Proportional Reasoning: Student will convert between fractions, decimals, and percents, and compare them, and identify similar and congruent figures and their corresponding parts, and solve for missing measures.
- More with Functions: Student will identify the parts of a line or quadratic equation and be able to graph it, and explore arithmetic and geometric sequences, as well as exponential growth and decay.
- Measurement: Student will explore relationships between sets of lines and the angles they create, understand and use the Pythagorean theorem, and identify characteristics of polygons.
- Plane Geometry: Student will determine how to calculate areas of common polygons, identify different transformations and how to determine the type and original image location.
- Measures of Solid Figures: Student will calculate surface area and volume of different objects, and solve for missing measures of 3 dimensional figures when given surface area or volume, and explain the relationship between surface area and volume.
- Data Analysis: Student will identify the mean, median, mode, range, lower quartile, and upper quartile of different data sets and construct the best display of the information.
- Probability: Student will identify all the possible outcomes of a given situation using combinations, permutations, and probability, and determine if events are dependent or independent.

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Mathematics 800 Fundamentals

## Unit 1: The Real Number System

**Assignments**

1. Course Overview
2. Subsets of the Real Number System
3. Using Variables
4. The Number Line
5. Comparing Rational Numbers
6. Quiz 1: Relationships
7. Alternate Quiz 1 - Form A: Relationships*
8. Alternate Quiz 1 - Form B: Relationships*
9. Properties of the Real Numbers
10. Exponents
11. Scientific Notation
12. Quiz 2: Other Forms
13. Alternate Quiz 2 - Form A: Other Forms*
14. Alternate Quiz 2 - Form B: Other Forms*
15. Square Roots
16. Order of Operations
17. Quiz 3: Simplifying
18. Alternate Quiz 3 - Form A: Simplifying*
19. Alternate Quiz 3 - Form B: Simplifying*
20. Special Project*
21. Review
22. Test
23. Alternate Test - Form A*
24. Alternate Test - Form B*
25. Glossary and Credits

Mathematics 800 Fundamentals

## Unit 2: Modeling Problems in Integers

**Assignments**

1. Translating Expressions and Equations
2. Solving One-Step Equations
3. Solving Two-Step Equations
4. Quiz 1: Equations with Real Numbers
5. Alternate Quiz 1 - Form A: Equations with Real Numbers*
6. Alternate Quiz 1 - Form B: Equations with Real Numbers*
7. Relations and Functions
8. Functions
9. Analyzing Graphs
10. Quiz 2: Functions
11. Alternate Quiz 2 - Form A: Functions*
12. Alternate Quiz 2 - Form B: Functions*
13. Addition of Integers
14. Subtraction of Integers
15. Multiplying and Dividing Integers
16. Evaluating Expressions
17. Quiz 3: Integers
18. Alternate Quiz 3 - Form A: Integers*
19. Alternate Quiz 3 - Form B: Integers*
20. Graphing
21. One-Step Equations
22. Two-Step Equations
23. Problem Solving
24. Quiz 4: Modeling with Integers
25. Alternate Quiz 4 - Form A: Modeling with Integers*
26. Alternate Quiz 4 - Form B: Modeling with Integers*
27. Special Project*
28. Review
29. Test
30. Alternate Test - Form A*
31. Alternate Test - Form B*
32. Glossary and Credits

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## Unit 3: Modeling Problems With Rational Numbers

**Assignments**

1. Prime Factorization and the GCF
2. Simplifying Fractions
3. The LCM and the LCD
4. Quiz 1: Number Theory
5. Alternate Quiz 1 - Form A: Number Theory*
6. Alternate Quiz 1 - Form B: Number Theory*
7. Adding and Subtracting Like Fractions
8. Adding and Subtracting Unlike Fractions
9. Adding and Subtracting Decimal Numbers
10. Multiplying and Dividing Fractions
11. Multiplying and Dividing Decimal Numbers
12. Quiz 2: Solving Problems with Rational Numbers
13. Alternate Quiz 2 - Form A: Solving Problems with Rational Numbers*
14. Alternate Quiz 2 - Form B: Solving Problems with Rational Numbers*
15. One-Step Addition and Subtraction Equations
16. One-Step Multiplication and Division Equations
17. Two-Step Equations
18. One-Step Inequalities
19. Two-Step Inequalities
20. Quiz 3: Solving Equations and Inequalities
21. Alternate Quiz 3 - Form A: Solving Equations and I Inequalities*
22. Alternate Quiz 3 - Form B: Solving Equations and Inequalities*
23. Special Project*
24. Review
25. Test
26. Alternate Test - Form A*
27. Alternate Test - Form B*
28. Glossary and Credits

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## Unit 4: Proportional Reasoning

**Assignments**

1. Proportions
2. Applications
3. Direct Variation
4. Quiz 1: Proportions
5. Alternate Quiz 1 - Form A: Proportions*
6. Alternate Quiz 1 - Form B: Proportions*
7. Fraction, Percent and Decimal Equivalents
8. Solving Percent Problems
9. Applications
10. More Applications
11. Quiz 2: Percents
12. Alternate Quiz 2 - Form A: Percents*
13. Alternate Quiz 2 - Form B: Percents*
14. Unit Conversion within Customary Units
15. Unit Conversion within Metric Units
16. Corresponding Parts
17. Indirect Measure
18. Models and Scales
19. Quiz 3: Measurement/Similar Figures
20. Alternate Quiz 3 - Form A: Measurement/Similar Figures*
21. Alternate Quiz 3 - Form B: Measurement/Similar Figures*
22. Project: Proportional Reasoning
23. Alternate Project: Proportional Reasoning*
24. Special Project*
25. Review
26. Test
27. Alternate Test - Form A*
28. Alternate Test - Form B*
29. Glossary and Credits

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## Unit 5: More With Functions

**Assignments**

1. Rewriting Equations
2. Combine Like Terms
3. Solving Equations by Combining Like Terms
4. Distributive Property
5. Solving Equations with Distributive Property
6. Quiz 1: Solving Equations
7. Alternate Quiz 1 - Form A: Solving Equations*
8. Alternate Quiz 1 - Form B: Solving Equations*
9. Slope
10. Using Intercepts
11. Slope-Intercept Form
12. More Slope-Intercept Form
13. Non-Linear Functions
14. Quiz 2: Families of Functions
15. Alternate Quiz 2 - Form A: Families of Functions*
16. Alternate Quiz 2 - Form B: Families of Functions*
17. Patterns and Arithmetic Sequences
18. Geometric Sequences
19. Exponential Sequences
20. Recursive Sequences
21. Quiz 3: Patterns
22. Alternate Quiz 3 - Form A: Patterns*
23. Alternate Quiz 3 - Form B: Patterns*
24. Special Project*
25. Review
26. Test
27. Alternate Test - Form A*
28. Alternate Test - Form B*
29. Glossary and Credits

Mathematics 800 Fundamentals

## Unit 6: Measurement

**Assignments**

1. Classify and Measure Angles
2. Perpendicular and Parallel Lines, Part 1
3. Perpendicular and Parallel Lines, Part 2
4. Circles
5. Quiz 1: Angle Measures and Circles
6. Alternate Quiz 1 - Form A: Angle Measures and Circles*
7. Alternate Quiz 1 - Form B: Angle Measures and Circles*
8. Classifying Polygons
9. Interior and Exterior Measures of Polygons
10. Classifying Triangles and the Triangle Inequality Theorem
11. The Quadrilateral Family
12. Quiz 2: Polygons
13. Alternate Quiz 2 - Form A: Polygons*
14. Alternate Quiz 2 - Form B: Polygons*
15. Pythagorean Theorem, Part 1
16. Pythagorean Theorem, Part 2
17. Quiz 3: Indirect Measure
18. Alternate Quiz 3 - Form A: Indirect Measure*
19. Alternate Quiz 3 - Form B: Indirect Measure*
20. Special Project*
21. Review
22. Test
23. Alternate Test - Form A*
24. Alternate Test - Form B*
25. Glossary and Credits

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Mathematics 800 Fundamentals

## Unit 7: Plane Geometry

**Assignments**

1. Perimeter and Circumference
2. Area of Parallelograms
3. Area of Triangles and Trapezoids
4. Area of Circles
5. Composite Figures
6. Effects of Dimensional Changes
7. Quiz 1: Perimeter and Area
8. Alternate Quiz 1 - Form A: Perimeter and Area*
9. Alternate Quiz 1 - Form B: Perimeter and Area*
10. Symmetry
11. Distance and Midpoint
12. Reflections
13. Quiz 2: Symmetry and Reflections
14. Alternate Quiz 2 - Form A: Symmetry and Reflections*
15. Alternate Quiz 2 - Form B: Symmetry and Reflections*
16. Translations
17. Tessellations
18. Rotations
19. Dilations
20. Quiz 3: Other Transformations
21. Alternate Quiz 3 - Form A: Other Transformations*
22. Alternate Quiz 3 - Form B: Other Transformations*
23. Special Project*
24. Review
25. Test
26. Alternate Test - Form A*
27. Alternate Test - Form B*
28. Glossary and Credits

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## Unit 8: Measures of Solid Figures

**Assignments**

1. Solid Figures
2. Euler's Formula
3. Surface Area of Rectangular Prisms
4. Surface Area of Triangular Prisms
5. Surface Area of Cylinders
6. Surface Area of Pyramids, Cones, and Spheres
7. Surface Area of Composite Figures
8. Quiz 1: Surface Area
9. Alternate Quiz 1 - Form A: Surface Area*
10. Alternate Quiz 1 - Form B: Surface Area*
11. Volume of Rectangular Prisms
12. Volume of Triangular Prisms
13. Volume of Square Pyramids
14. Volume of Cylinders
15. Volume of Cones
16. Volume of Spheres
17. Changes to Volume
18. Volume of Composite Figures
19. Quiz 2: Volume
20. Alternate Quiz 2 - Form A: Volume*
21. Alternate Quiz 2 - Form B: Volume*
22. Special Project*
23. Review
24. Test
25. Alternate Test - Form A*
26. Alternate Test - Form B*
27. Glossary and Credits
28.

Mathematics 800 Fundamentals

## Unit 9: Data Analysis

**Assignments**

1. Collecting Data
2. Measures of Central Tendency and Dispersion
3. Bar Graphs
4. Circle Graphs
5. Line Graphs
6. Frequency and Histograms
7. Quiz 1: Collecting and Representing Data
8. Alternate Quiz 1 - Form A: Collecting and Representing Data*
9. Alternate Quiz 1 - Form B: Collecting and Representing Data*
10. Constructing Box-and-Whisker Plots
11. Interpreting Box-and-Whisker Plots
12. Scatter Plots
13. Misleading Graphs
14. Appropriate Displays
15. Quiz 2: More Data Displays
16. Alternate Quiz 2 - Form A: More Data Displays*
17. Alternate Quiz 2 - Form B: More Data Displays*
18. Special Project*
19. Review
20. Test
21. Alternate Test - Form A*
22. Alternate Test - Form B*
23. Glossary and Credits

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Mathematics 800

## Unit 10: Probability

**Assignments**

1. Tree Diagrams and the Counting Principle
2. Permutations
3. Combinations
4. Mixed Review of Outcomes
5. Quiz 1: Outcomes
6. Alternate Quiz 1 - Form A: Outcomes*
7. Alternate Quiz 1 - Form B: Outcomes*
8. Probability and Odds
9. Experimental vs Theoretical Probability
10. Disjointed and Overlapping Events
11. Independent and Dependent Events
12. Quiz 2: Probability
13. Alternate Quiz 2 - Form A: Probability*
14. Alternate Quiz 2 - Form B: Probability*
15. Simulate a Problem
16. Quest: All That's Fair In...*
17. Special Project*
18. Review
19. Test
20. Alternate Test - Form A*
21. Alternate Test - Form B*
22. Glossary and Credits

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## Unit 11: Course Review and Exam

**Assignments**

1. Review I
2. Review II
3. Exam
4. Alternate Exam - Form A*
5. Alternate Exam - Form B*

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# Mathematics 800

Mathematics 800 is an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

- **The Real Number System**: Student will explore different properties of numbers, and how to use them to simplify expressions and formulas to make computations easier.
- **Modeling Problems in Integers**: Student will translate and solve one-step equations, or two-step equations in context, and check solutions for reasonableness, using the order of operations, and by substituting values for variables.
- **Modeling Problems with Rational Numbers**: Student will add, subtract, multiply, and divide decimals, fractions, and mixed numbers with variables, likes, and unlike denominators to solve one and two-step word problems.
- **Proportional Reasoning**: Student will convert between fractions, decimals, and percents, and compare them, and identify similar and congruent figures and their corresponding parts, and solve for missing measures.
- **More with Functions**: Student will identify the parts of a line or quadratic equation and be able to graph it, and explore arithmetic and geometric sequences, as well as exponential growth and decay.
- **Measurement**: Student will explore relationships between sets of lines and the angles they create, understand and use the Pythagorean theorem, and identify characteristics of polygons.
- **Plane Geometry**: Student will determine how to calculate areas of common polygons, identify different transformations and how to determine the type and original image location.
- **Measures of Solid Figures**: Student will calculate surface area and volume of different objects, and solve for missing measures of 3 dimensional figures when given surface area or volume, and explain the relationship between surface area and volume.
- **Data Analysis**: Student will identify the mean, median, mode, range, lower quartile, and upper quartile of different data sets and construct the best display of the information.
- **Probability**: Student will identify all the possible outcomes of a given situation using combinations, permutations, and probability, and determine if events are dependent or independent.

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## Unit 1: The Real Number System

**Assignments**

1. Course Overview
2. Subsets of the Real Number System
3. Using Variables
4. The Number Line
5. Comparing Rational Numbers
6. Decimal-Fraction Conversions
7. Quiz 1: Relationships
8. Alternate Quiz 1 - Form A: Relationships*
9. Alternate Quiz 1 - Form B: Relationships*
10. Properties of the Real Numbers
11. Exponents
12. Performance Task
13. Scientific Notation
14. Operations with Scientific Notation
15. Quiz 2: Other Forms
15. Alternate Quiz 2 - Form A: Other Forms*
16. Alternate Quiz 2 - Form B: Other Forms*
17. Square Roots
18. Order of Operations
19. Quiz 3: Simplifying
20. Alternate Quiz 3 - Form A: Simplifying*
21. Alternate Quiz 3 - Form B: Simplifying*
22. Performance Task
23. Special Project*
24. Review
25. Test
26. Alternate Test - Form A*
27. Alternate Test - Form B*
28. Glossary and Credits

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## Unit 2: Modeling Problems in Integers

**Assignments**

1. Translating Expressions and Equations
2. Solving One-Step Equations
3. Solving Two-Step Equations
4. Solving Equations with Exponents
5. Quiz 1: Equations with Real Numbers
6. Alternate Quiz 1 - Form A: Equations with Real Numbers*
7. Alternate Quiz 1 - Form B: Equations with Real Numbers*
8. Relations and Functions
9. Functions
10. Analyzing Graphs
11. Performance Task
12. Quiz 2: Functions
13. Alternate Quiz 2 - Form A: Functions*
14. Alternate Quiz 2 - Form B: Functions*
15. Addition of Integers
16. Subtraction of Integers
17. Multiplying and Dividing Integers
18. Evaluating Expressions
19. Quiz 3: Integers
20. Alternate Quiz 3 - Form A: Integers*
21. Alternate Quiz 3 - Form B: Integers*
22. Graphing
23. One-Step Equations
24. Two-Step Equations
25. Problem Solving
26. Performance Task
27. Quiz 4: Modeling with Integers
28. Alternate Quiz 4 - Form A: Modeling with Integers*
29. Alternate Quiz 4 - Form B: Modeling with Integers*
30. Special Project*
31. Review
32. Test
33. Alternate Test - Form A*
34. Alternate Test - Form B*
35. Glossary and Credits

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## Unit 3: Modeling Problems with Rational Numbers

**Assignments**

1. Prime Factorization and the GCF
2. Simplifying Fractions
3. The LCM and the LCD
4. Quiz 1: Number Theory
5. Alternate Quiz 1 - Form A: Number Theory*
6. Alternate Quiz 1 - Form B: Number Theory*
7. Adding and Subtracting Like Fractions
8. Adding and Subtracting Unlike Fractions
9. Adding and Subtracting Decimal Numbers
10. Multiplying and Dividing Fractions
11. Multiplying and Dividing Decimal Numbers
12. Irrational Numbers
13. Performance Task
14. Quiz 2: Solving Problems with Rational Numbers
15. Alternate Quiz 2 - Form A: Solving Problems with Rational Numbers*
16. Alternate Quiz 2 - Form B: Solving Problems with Rational Numbers*
17. One-Step Addition and Subtraction Equations
18. One-Step Multiplication and Division Equations
19. Two-Step Equations
20. One-Step Inequalities
21. Two-Step Inequalities
22. Performance Task
23. Quiz 3: Solving Equations and Inequalities
24. Alternate Quiz 3 - Form A: Solving Equations and Inequalities*
25. Alternate Quiz 3 - Form B: Solving Equations and Inequalities*
26. Special Project*
27. Review
28. Test
29. Alternate Test - Form A**
30. Alternate Test - Form B
31. Glossary and Credits

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## Unit 4: Proportional Reasoning

**Assignments**

1. Proportions
2. Linear Applications
3. Direct Variation
4. Quiz 1: Proportions
5. Alternate Quiz 1-Form A: Proportions*
6. Alternate Quiz 1-Form B: Proportions*
7. Fraction, Percent, and Decimal Equivalents
8. Solving Percent Problems
9. Application of Ratios and Percents
10. More Applications with Percents
11. Performance Task
12. Quiz 2: Percents
13. Alternate Quiz 2-Form A: Percents*
14. Alternate Quiz 2-Form B: Percents*
15. Unit Conversion within Customary Units
16. Unit Conversion within Metric Units
17. Corresponding Parts
18. Indirect Measure
19. Models and Scales
20. Performance Task
21. Quiz 3: Measurement/Similar Figures
22. Alternate Quiz 3-Form A: Measurement/Similar Figures*
23. Alternate Quiz 3-Form B: Measurement/Similar Figures*
24. Project: Proportional Reasoning
25. Alternate Project: Proportional Reasoning*
26. Special Project*
27. Review
28. Test
29. Alternate Test-Form A*
30. Alternate Test-Form B*
31. Glossary and Credits

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## Unit 5: More with Functions

**Assignments**

1. Rewriting Equations
2. Combine Like Terms
3. Solving Equations by Combining Like Terms
4. Distributive Property
5. Solving Equations with Distributive Property
6. Solving Equations with Special Solutions
7. Literal Equations
8. Performance Task
9. Quiz 1: Solving Equations
10. Alternate Quiz 1 - Form A: Solving Equations*
11. Alternate Quiz 1 - Form B: Solving Equations*
12. Slope
13. Comparing Functions
14. Using Intercepts
15. Slope-Intercept Form
16. More Slope-Intercept Form
17. Applications of Linear Functions
18. Non-Linear Functions
19. Performance Task
20. Quiz 2: Families of Functions
21. Alternate Quiz 2 - Form A: Families of Functions*
22. Alternate Quiz 2 - Form B: Families of Functions*
23. Graphing Systems of Linear Equations
24. Solving Systems of Linear Equations using Substitution
25. Solving Systems of Linear Equations using Addition
26. Applications of Linear Systems
27. Quiz 3: System of Equations
28. Alternate Quiz 3 - Form A: System of Equations*
29. Alternate Quiz 3 - Form B: System of Equations*
30. Patterns and Arithmetic Sequences
31. Geometric Sequences
32. Exponential Sequences
33. Recursive Sequences
34. Quiz 4: Patterns
35. Alternate Quiz 4 - Form A: Patterns*
36. Alternate Quiz 4 - Form B: Patterns*
37. Special Project*
38. Review
39. Test
40. Alternate Test - Form A*
41. Alternate Test - Form B*
42. Glossary and Credits

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## Unit 6: Measurement

**Assignments**

1. Classify and Measure Angles
2. Perpendicular and Parallel Lines, Part 1
3. Perpendicular and Parallel Lines, Part 2
4. Circles
5. Quiz 1: Angle Measures and Circles
6. Alternate Quiz 1 - Form A: Angle Measures and Circles*
7. Alternate Quiz 1 - Form B: Angle Measures and Circles*
8. Classifying Polygons
9. Interior and Exterior Measures of Polygons
10. Classifying Triangles and the Triangle Inequality Theorem
11. Performance Task
12. The Quadrilateral Family
13. Quiz 2: Polygons
14. Alternate Quiz 2 - Form A: Polygons*
15. Alternate Quiz 2 - Form B: Polygons*
16. Pythagorean Theorem, Part 1
17. Pythagorean Theorem, Part 2
18. Performance Task
19. Quiz 3: Indirect Measure
20. Alternate Quiz 3 - Form A: Indirect Measure*
21. Alternate Quiz 3 - Form B: Indirect Measure*
22. Special Project*
23. Review
24. Test
25. Alternate Test - Form A*
26. Alternate Test - Form B*
27. Glossary and Credits

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## Unit 7: Plane Geometry

**Assignments**

1. Perimeter and Circumference
2. Area of Parallelograms
3. Area of Triangles and Trapezoids
4. Area of Circles
5. Composite Figures
6. Effects of Dimensional Changes
7. Performance Task
8. Quiz 1: Perimeter and Area
9. Alternate Quiz 1 - Form A: Perimeter and Area*
10. Alternate Quiz 1 - Form B: Perimeter and Area*
11. Symmetry
12. Distance and Midpoint
13. Reflections
14. Quiz 2: Symmetry and Reflections
15. Alternate Quiz 2 - Form A: Symmetry and Reflections*
16. Alternate Quiz 2 - Form B: Symmetry and Reflections*
17. Translations
18. Tessellations
19. Rotations
20. Dilations
21. Angle Reflections, Translations, and Rotations
22. Performance Task
23. Quiz 3: Other Transformations
24. Alternate Quiz 3 - Form A: Other Transformations*
25. Alternate Quiz 3 - Form B: Other Transformations*
26. Special Project*
27. Review
28. Test
29. Alternate Test - Form A*
30. Alternate Test - Form B*
31. Glossary and Credits

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## Unit 8: Measures of Solid Figures

**Assignments**

1. Solid Figures
2. Euler's Formula
3. Surface Area of Rectangular Prisms
4. Surface Area of Triangular Prisms
5. Performance Task
6. Surface Area of Cylinders
7. Surface Area of Pyramids, Cones, and Spheres
8. Surface Area of Composite Figures
9. Quiz 1: Surface Area
10. Alternate Quiz 1 - Form A: Surface Area*
11. Alternate Quiz 1 - Form B: Surface Area*
12. Volume of Rectangular Prisms
13. Volume of Triangular Prisms
14. Volume of Square Pyramids
15. Volume of Cylinders
16. Volume of Cones
17. Volume of Spheres
18. Changes to Volume
19. Volume of Composite Figures
20. Performance Task
21. Quiz 2: Volume
22. Alternate Quiz 2 - Form A: Volume*
23. Alternate Quiz 2 - Form B: Volume*
24. Special Project*
25. Review
26. Test
27. Alternate Test - Form A*
28. Alternate Test - Form B*
29. Glossary and Credits

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## Unit 9: Data Analysis

**Assignments**

1. Collecting Data
2. Measures of Central Tendency and Dispersion
3. Bar Graphs
4. Circle Graphs
5. Line Graphs
6. Frequency and Histograms
7. Two-Way Frequency Tables
8. Performance Task
9. Quiz 1: Collecting and Representing Data
10. Alternate Quiz 1 - Form A: Collecting and Representing Data*
11. Alternate Quiz 1 - Form B: Collecting and Representing Data*
12. Constructing Box-and-Whisker Plots
13. Interpreting Box-and-Whisker Plots
14. Scatter Plots
15. Misleading Graphs
16. Appropriate Displays
17. Application of Data Analysis
18. Performance Task
19. Quiz 2: More Data Displays
20. Alternate Quiz 2 - Form A: More Data Displays*
21. Alternate Quiz 2 - Form B: More Data Displays*
22. Financial Responsibility
23. Calculating Interest
24. Educational Funding
25. Quiz 3: Personal Finances
26. Special Project*
27. Review
28. Test
29. Alternate Test - Form A*
30. Alternate Test - Form B*
31. Glossary and Credits

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## Unit 10: Probability

**Assignments**

1. Tree Diagrams and the Counting Principle
2. Permutations
3. Combinations
4. Mixed Review of Outcomes
5. Quiz 1: Outcomes
6. Alternate Quiz 1 - Form A: Outcomes*
7. Alternate Quiz 1 - Form B: Outcomes*
8. Probability and Odds
9. Experimental vs Theoretical Probability
10. Disjointed and Overlapping Events
11. Independent and Dependent Events
12. Performance Task
13. Performance Task
14. Quiz 2: Probability
15. Alternate Quiz 2 - Form A: Probability*
16. Alternate Quiz 2 - Form B: Probability*
17. Simulate a Problem
18. Quest: All That's Fair In... *
19. Special Project*
20. Review
21. Test
22. Alternate Test - Form A*
23. Alternate Test - Form B*
24. Glossary and Credits

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## Unit 11: Course Review and Exam

**Assignments**

1. Review 1
2. Review 2
3. Final Exam
4. Final Exam - Form A*
5. Final Exam - Form B*
6. Performance Task 1*
7. Performance Task 2*
8. Performance Task 3*
9. Performance Task 4*

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## Unit 12: End of Course

**Assignments**

1. Exam*
2. Alternate Exam - Form A*
3. Alternate Exam - Form B*

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# Algebra I Fundamentals

Algebra I Fundamentals is a full year, high school credit course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

- **Foundations of Algebra**: Student will identify different real number properties, and how to use them to solve algebraic expressions.
- **Linear Equations**: Student will translate word problems into algebraic equations, and solve them using real number properties, converting between fractions, decimals, and percents.
- **Functions**: Student will understand the characteristics of functions, how to plot them, how to derive their equations, and determine what type of function a graph represents.
- **Inequalities**: Student will write, graph, and solve inequalities using real number properties.
- **Linear Systems**: Student will determine the solution of a pair of linear equations, using the addition method, substitution method and matrices.
- **Polynomials**: Student will add, subtract, multiply, and divide monomials and polynomials, as well as factor polynomials, using several different methods.
- **Exponential and Radical Functions**: Student will simplify powers of products, a power raised to a power, and quotients of powers, using the rule of exponents, and add, subtract, multiply, and divide radical expressions to solve equations.
- **Quadratics**: Student will identify, write, and graph various triangle, circle and quadratic equations and inequalities using the Pythagorean theorem, and by factoring, completing the square, and using the square root method.
- **Rational Expressions**: Student will add and subtract fractions with like and unlike denominators, solve proportions, equations and inequalities containing rational expressions, and solve different word problems using rational equations.
- **Probability and Statistics**: Student will determine the central tendencies of a given data set, as well as evaluate probability of possible outcomes using multiple methods.

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Algebra I Fundamentals

## Unit 1: Foundations of Algebra

**Assignments**

1. Course Overview
2. Variables and Expressions
3. Exponents and Order of Operations
4. Evaluating Expressions
5. Quiz 1: The Language of Algebra
6. Classifying and Comparing Numbers
7. Decimal-Fraction Conversions
8. Fractions
9. Adding and Subtracting Signed Numbers
10. Multiplying and Dividing Signed Numbers
11. Absolute Value
12. Quiz 2: The Real Numbers
13. Commutative and Associative Properties
14. Distributive Property
15. Simplifying Expressions
16. Quiz 3: Properties of the Real Numbers
17. Special Project*
18. Review
19. Test
20. Alternate Test*
21. Glossary and Credits

Algebra I Fundamentals

## Unit 2: Linear Equations

**Assignments**

1. Open Sentences
2. Addition Property of Equality
3. Multiplication Property of Equality
4. Two-Step Equations
5. Quiz 1: Solving Equations
6. Variables on Both Sides
7. Combining Like Terms
8. The Distributive Property
9. Literal Equations
10. Quiz 2: Multi-Step Equations
11. Writing Equations from Word Problems
12. Two Unknowns
13. More than Two Unknowns
14. Using a Chart
15. Quiz 3: Word Problems
16. Percent Problems
17. Mixture and Interest Problems
18. Quiz 4: Mixture and Investment Problems
19. Special Project*
20. Review
21. Test
22. Alternate Test*
23. Glossary and Credits

Algebra I Fundamentals

## Unit 3: Functions

**Assignments**

1. The Coordinate Plane
2. Identifying Functions
3. Function Notation
4. Modeling Functions
5. Quiz 1: Function Basics
6. Writing a Function Rule
7. Arithmetic Sequences
8. Direct Variation
9. Slope
10. Quiz 2: Patterns
11. Linear Equations
12. Slope-Intercept Form
13. Absolute Value Functions
14. Quiz 3: Graphing Linear Functions
15. Writing Linear Equations (1)
16. Writing Linear Equations (2)
17. Writing Linear Equations (3)
18. Quiz 4: Writing Linear Equations
19. Special Project*
20. Review
21. Test
22. Alternate Test*
23. Glossary and Credits

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Algebra I Fundamentals

## Unit 4: Inequalities

**Assignments**

1. Graphing
2. Addition Property of Inequality
3. Multiplication Property of Inequality
4. Multi-Step Inequalities
5. Problem Solving
6. Quiz 1: Solving Inequalities
7. Compound Inequality Graphs
8. Solving Compound Inequalities
9. Inequalities with Two Variables
10. Quiz 2: Compound Inequalities
11. Absolute Value Solution Sets
12. Absolute Value Inequalities with One Variable
13. Absolute Value Inequalities with Two Variables
14. Quiz 3: Absolute Value
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

Algebra I Fundamentals

## Unit 5: Linear Systems

**Assignments**

1. Solution of a System
2. Graphing Systems of Equations
3. Systems of Inequalities
4. Quiz 1: Solving Linear Systems by Graphing
5. Substitution Method
6. Addition Method
7. Matrices
8. Fractional Coefficients
9. Quiz 2: Solving Linear Systems Algebraically
10. Using Two Variables
11. Money and Unit Pricing
12. Using Formulas
13. Quiz 3: Representing Problems Using a Linear System
14. Special Project*
15. Review
16. Test
17. Alternate Test*
18. Glossary and Credits

Algebra I Fundamentals

## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam – Form A*
4. Alternate Exam – Form B*

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## Unit 7: Polynomials

**Assignments**

1. Adding and Subtracting Polynomials
2. Grouping Symbols
3. Quiz 1: Adding and Subtracting Polynomials
4. Multiplying by a Monomial
5. Multiplying Polynomials
6. F.O.I.L. and Special Cases
7. Dividing by a Monomial
8. Long Division
9. Quiz 2: Multiplying and Dividing Polynomials
10. Greatest Common Factor
11. Factoring Out the GCF
12. Factoring by Grouping
13. Factoring Trinomials (1)
14. Factoring Trinomials (2)
15. Special Cases
16. Complete Factorization
17. Quiz 3: Factoring Polynomials
18. Special Project*
19. Review
20. Test
21. Alternate Test*
22. Glossary and Credits

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## Unit 8: Exponential and Radical Functions

**Assignments**

1. Negative Exponents
2. Exponential Expressions
3. Scientific Notation
4. Quiz 1: Evaluating Exponential Expressions
5. Multiplication
6. Raising to a Power
7. Division
8. Geometric Sequences
9. Quiz 2: Properties of Exponents
10. Simplifying Radicals
11. Multiplying Radicals
12. Dividing Radicals
13. Adding and Subtracting Radicals
14. Radical Equations
15. Quiz 3: Radical Functions
16. Special Project*
17. Review
18. Test
19. Alternate Test*
20. Glossary and Credits

Algebra I Fundamentals

## Unit 9: Quadratics

**Assignments**

1. Pythagorean Theorem
2. Distance
3. Midpoint
4. Quiz 1: Formulas
5. Quadratic Functions
6. Transformations
7. Line of Symmetry
8. Quadratic Inequalities
9. Quiz 2: Graphing Quadratic Functions
10. Solving by Factoring
11. Square Root Method
12. Applications of Quadratics
13. Completing the Square
14. Completing the Square
15. Quadratic Formula (1)
16. Quadratic Formula (2)
17. Quiz 3: Solving Quadratic Equations
18. Special Project*
19. Review
20. Test
21. Alternate Test*
22. Glossary and Credits

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## Unit 10: Rational Expressions

**Assignments**

1. Simplifying Rational Expressions
2. Multiplying and Dividing Rational Expressions
3. Adding and Subtracting with Like Denominators
4. Adding and Subtracting with Unlike Denominators
5. Quiz 1: Operations with Rational Expressions
6. Proportions
7. Using the LCD
8. Complex Fractions
9. Inequalities
10. Applications of Rational Equations
11. More Problems
12. Quiz 2: Rational Equations and Inequalities
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

Algebra I Fundamentals

## Unit 11: Probability and Statistics

**Assignments**

1. Measures of Central Tendency
2. Dispersion
3. Interpreting Data
4. Project: Data Analysis
5. Quiz 1: Measures of Central Tendency
6. Sampling and Outcomes
7. Permutations
8. Combinations
9. Quiz 2: Outcomes
10. Probability
11. Compound Events
12. Project: Probability
13. Quiz 3: Probability
14. Special Project*
15. Review
16. Test
17. Alternate Test*
18. Glossary and Credits

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## Unit 12: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam – Form A*
4. Alternate Exam – Form B*

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Algebra I Fundamentals

**Unit 13: Final Exam**

**Assignments**

1. Exam
2. Alternate Exam – Form A*
3. Alternate Exam – Form B*

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Algebra I

## Unit 1: Foundations of Algebra

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12. Quiz 2: The Real Numbers
13. Commutative and Associative Properties
14. Distributive Property
15. Simplifying Expressions
16. Quiz 3: Properties of the Real Numbers
17. Performance Task
18. Alternate Performance Task*
19. Special Project*
20. Review
21. Test
22. Alternate Test*
23. Glossary and Credits

Algebra I

## Unit 2: Linear Equations

**Assignments**

1. Open Sentences
2. Addition Property of Equality
3. Multiplication Property of Equality
4. Two-Step Equations
5. Quiz 1: Solving Equations
6. Variables on Both Sides
7. Combining Like Terms
8. The Distributive Property
9. Literal Equations
10. Quiz 2: Multi-Step Equations
11. Writing Equations from Word Problems
12. Two Unknowns
13. More than Two Unknowns
14. Using a Chart
15. Quiz 3: Word Problems
16. Percent Problems
17. Mixture and Interest Problems
18. Quiz 4: Mixture and Investment Problems
19. Performance Task
20. Alternate Performance Task*
21. Special Project*
22. Review
23. Test
24. Alternate Test*
25. Glossary and Credits

Algebra I

## Unit 3: Functions

**Assignments**

1. The Coordinate Plane
2. Identifying Functions
3. Function Notation
4. Modeling Functions
5. Quiz 1: Function Basics
6. Writing a Function Rule
7. Arithmetic Sequences
8. Direct Variation
9. Slope
10. Quiz 2: Patterns
11. Linear Equations
12. Slope-Intercept Form
13. Absolute Value Functions
14. Piecewise Defined Functions
15. Graphs of Piecewise Functions
16. Function Relationships
17. Quiz 3: Graphing Linear Functions
18. Writing Linear Equations (1)
19. Writing Linear Equations (2)
20. Writing Linear Equations (3)
21. Inverse Functions
22. Scatter Plots
23. Quiz 4: Writing Linear Equations
24. Performance Task
25. Alternate Performance Task*
26. Special Project*
27. Review
28. Test
29. Alternate Test*
30. Glossary and Credits

Algebra I

## Unit 4: Inequalities

**Assignments**

1. Graphing
2. Addition Property of Inequality
3. Multiplication Property of Inequality
4. Multi-Step Inequalities
5. Problem Solving
6. Quiz 1: Solving Inequalities
12. Absolute Value Inequalities with One Variable
13. Absolute Value Inequalities with Two Variables
14. Quiz 3: Absolute Value
15. Performance Task
16. Alternate Performance Task*
17. Special Project*

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| | | |
|---|---|---|
| | 7. Compound Inequality Graphs | 18. Review |
| | 8. Solving Compound Inequalities | 19. Test |
| | 9. Inequalities with Two Variables | 20. Alternate Test* |
| | 10. Quiz 2: Compound Inequalities | 21. Glossary and Credits |
| | 11. Absolute Value Solution Sets | |

Algebra I

**Unit 5: Linear Systems**

**Assignments**

| | |
|---|---|
| 1. Solution of a System | 12. Money and Unit Pricing |
| 2. Graphing Systems of Equations | 13. Using Formulas |
| 3. Systems of Inequalities | 14. Quiz 3: Representing Problems Using a Linear System |
| 4. Applications of Inequalities | |
| 5. Quiz 1: Solving Linear Systems by Graphing | 15. Performance Task |
| 6. Substitution Method | 16. Alternate Performance Task* |
| 7. Addition Method | 17. Special Project* |
| 8. Matrices | 18. Review |
| 9. Fractional Coefficients | 19. Test |
| 10. Quiz 2: Solving Linear Systems Algebraically | 20. Alternate Test* |
| 11. Using Two Variables | 21. Glossary and Credits |

Algebra I

**Unit 6: Semester Review and Exam**

**Assignments**

| | |
|---|---|
| 1. Review | 3. Alternate Exam – Form A* |
| 2. Exam | 4. Alternate Exam – Form B* |

Algebra I

**Unit 7: Polynomials**

**Assignments**

| | |
|---|---|
| 1. Adding and Subtracting Polynomials | 13. Factoring Trinomials (1) |
| 2. Grouping Symbols | 14. Factoring Trinomials (2) |
| 3. Quiz 1: Adding and Subtracting Polynomials | 15. Special Cases |
| 4. Multiplying by a Monomial | 16. Complete Factorization |
| 5. Multiplying Polynomials | 17. Quiz 3: Factoring Polynomials |
| 6. F.O.I.L. and Special Cases | 18. Performance Task |
| 7. Dividing by a Monomial | 19. Alternate Performance Task* |
| 8. Long Division | 20. Special Project* |
| 9. Quiz 2: Multiplying and Dividing Polynomials | 21. Review |
| 10. Greatest Common Factor | 22. Test |
| 11. Factoring Out the GCF | 23. Alternate Test* |
| 12. Factoring by Grouping | 24. Glossary and Credits |

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Algebra I

## Unit 8: Exponential and Radical Functions

**Assignments**

1. Negative Exponents
2. Exponential Expressions
3. Exponential Functions
4. Scientific Notation
5. Applications of Exponential Functions
6. Quiz 1: Evaluating Exponential Expressions
7. Multiplication
8. Raising to a Power
9. Division
10. Geometric Sequences
11. Geometric Sequences (2)
12. Project: Recursive Sequences
13. Quiz 2: Properties of Exponents
14. Simplifying Radicals
15. Multiplying Radicals
16. Dividing Radicals
17. Adding and Subtracting Radicals
18. Radical Equations
19. Graphing Radical Functions
20. Quiz 3: Radical Functions
21. Performance Task
22. Alternate Performance Task*
23. Special Project*
24. Review
25. Test
26. Alternate Test*
27. Glossary and Credits

Algebra I

## Unit 9: Quadratics

**Assignments**

1. Pythagorean Theorem
2. Distance
3. Systems of Linear and Exponential Equations
4. Midpoint
5. Quiz 1: Formulas
6. Quadratic Functions
7. Transformations
8. Transformations (2)
9. Line of Symmetry
10. Quadratic Inequalities
11. Quiz 2: Graphing Quadratic Functions
12. Solving by Factoring
13. Project: Solving Polynomials by Factoring
14. Square Root Method
15. Applications of Quadratics
16. Rate of Change
17. Completing the Square (1)
18. Completing the Square (2)
19. Quadratic Formula (1)
20. Quadratic Formula (2)
21. Systems of Equations
22. Comparing Functions
23. Function Composition
24. Quiz 3: Solving Quadratic Equations
25. Performance Task
26. Alternate Performance Task*
27. Special Project*
28. Review
29. Test
30. Alternate Test*
31. Glossary and Credits

Algebra I

## Unit 10: Rational Expressions

**Assignments**

1. Simplifying Rational Expressions
2. Multiplying and Dividing Rational Expressions
3. Adding and Subtracting with Like Denominators
4. Adding and Subtracting with Unlike Denominators
5. Quiz 1: Operations with Rational Expressions
6. Proportions
7. Using the LCD
8. Complex Fractions
9. Inequalities
10. Applications of Rational Equations
11. More Problems
12. Quiz 2: Rational Equations and Inequalities
13. Performance Task
14. Alternate Performance Task*
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

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Algebra I

## Unit 11: Probability and Statistics

**Assignments**

1. Measures of Central Tendency
2. Dispersion
3. Interpreting Data
4. Statistical Relationships
5. Project: Plotting Residuals
6. Project: Data Analysis
7. Quiz 1: Measures of Central Tendency
8. Sampling and Outcomes
9. Permutations
10. Combinations
11. Quiz 2: Outcomes
12. Probability
13. Compound Events
14. Two-Way Frequency Tables
15. Project: Probability
16. Quiz 3: Probability
17. Performance Task
18. Alternate Performance Task*
19. Special Project*
20. Review
21. Test
22. Alternate Test*
23. Glossary and Credits

Algebra I

## Unit 12: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam – Form A*
4. Alternate Exam – Form B*

Algebra I

## Unit 13: Final Exam

**Assignments**

1. Exam
2. Alternate Exam – Form A*
3. Alternate Exam – Form B*
4. Performance Task 1*
5. Performance Task 2*

Algebra I

## Unit 14: End of Course Exam

**Assignments**

1. Exam*
2. Alternate Exam – Form A*
3. Alternate Exam – Form B*

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# Geometry Fundamentals

Geometry Fundamentals is a full year, high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

**By the end of the course, students will be expected to do the following:**

- Understand defined terms, axioms, postulates, and theories.
- Apply rules of formal logic and construct proofs in two-column format.
- Know how to solve for angles given parallels, perpendiculars, and transversals.
- Demonstrate how to solve for sides and angles of triangles, quadrilaterals, and polygons.
- Understand trigonometric ratios and know how to use them to solve for unknown sides and angles in given triangles as well as application word problems.
- Be able to determine arcs, chords, and sectors of circles.
- Calculate perimeter, area, and volume of figures and solids.
- Graph lines and determine slopes, midpoints, and distances.
- Interpret and construct the graphs and equations of quadratic functions.
- Make geometric constructions on paper.
- Represent results of motion geometry (translation, rotation, reflection, dilation).
- Calculate simple probabilities using addition, multiplication, permutations, combinations, and frequency tables.

Geometry Fundamentals

## Unit 1: Introduction

**Assignments**

1. Course Overview
2. Mathematic System: Set Theory Review
3. Mathematic System: Operations with Sets
4. Quiz 1: Set Theory
5. Geometry Undefined Terms: Point
6. Geometry Undefined Terms: Line
7. Geometry Undefined Terms: Plane
8. Quiz 2: Undefined Terms
9. Defined Terms: Definitions
10. Quiz 3: Defined Terms
11. Geometric Postulates
12. Review of Algebraic Postulates
13. Geometric Theorems
14. Review of Properties of Algebra
15. Quiz 4: Postulates and Theorems
16. Special Project*
17. Test
18. Alternate Test*
19. Glossary and Credits

## Unit 2: Logic

**Assignments**

1. Logic
2. Conjunctions
3. Disjunctions
4. Negation
5. Conditional or Implication Statements
6. Converse, Inverse, Contrapositive
7. Quiz 1: Principles of Logic
12. Proof Formats: Statement of the Theorem
13. Proof Formats: The Figure
14. Proof Formats: The Given Statement
15. Proof Formats: To Prove Statement
16. Proof Formats: The Plan of the Proof
17. Indirect Proof Format: The Paragraph Proof
18. Quiz 3: Proof Formats

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| | | | | |
|---|---|---|---|---|
| | 8. | Inductive Reasoning | 19. | Special Project* |
| | 9. | Deductive Reasoning | 20. | Test |
| | 10. | Using Deductive Reasoning | 21. | Alternate Test* |
| | 11. | Quiz 2: Inductive and Deductive Reasoning | 22. | Glossary and Credits |

Geometry Fundamentals

**Unit 3: Angles and Parallels**

**Assignments**

| | | | | |
|---|---|---|---|---|
| | 1. | Angle Definitions | 15. | Quiz 3: Parallels and Transversals |
| | 2. | Angle Measurement | 16. | Construction: Perpendiculars |
| | 3. | Quiz 1: Angles | 17. | Construction: Tangents to Circles |
| | 4. | Angle Relationship Definitions | 18. | Construction: Parallels |
| | 5. | Angle Relationship Theorems (1) | 19. | Classifying Triangles by Sides and Angles |
| | 6. | Angle Relationship Theorems (2) | 20. | Exterior and Remote Interior Angles of a Triangle |
| | 7. | Quiz 2: Angle Theorems | 21. | Proofs Involving Triangles |
| | 8. | Construction: Copying Figures | 22. | Other Polygons |
| | 9. | Construction: Bisecting Figures | 23. | Quiz 4: Triangles, Polygons, and Angle Properties |
| | 10. | Basic Properties of Parallels | 24. | Special Project* |
| | 11. | Transversals and Special Angles | 25. | Test |
| | 12. | More Proofs: Transversals and Special Angles | 26. | Alternate Test* |
| | 13. | Continued Proofs: Transversals and Special Angles | 27. | Glossary and Credits |
| | 14. | More Proofs for Postulates 9 and 10 | | |

Geometry Fundamentals

**Unit 4: Congruent Triangles and Quadrilaterals**

**Assignments**

| | | | | |
|---|---|---|---|---|
| | 1. | Defining Congruent Triangles | 16. | Inequality Theorem in One Triangle Part 2 |
| | 2. | Proving Triangles Congruent (1) | 17. | Inequality Theorem in Two Triangles |
| | 3. | Proving Triangles Congruent (2) | 18. | Quadrilateral Parallelograms Theorems Part 1 |
| | 4. | Proving Right Triangles Congruent | 19. | Quadrilateral Parallelograms Theorems Part 2 |
| | 5. | Quiz 1: Congruent Triangles | 20. | Quiz 3: Inequalities; Quadrilaterals |
| | 6. | Independent Triangles (1) | 21. | Triangles that Use Parallelograms in Proofs |
| | 7. | Independent Triangles (2) | 22. | Parallelograms: Rectangles |
| | 8. | Overlapping Triangles (1) | 23. | Parallelograms: Rhombus |
| | 9. | Overlapping Triangles (2) | 24. | Trapezoids-Definitions and Proofs |
| | 10. | Isosceles Triangles (1) | 25. | Quiz 4: Parallelograms; Trapezoids |
| | 11. | Isosceles Triangles (2) | 26. | Special Project* |
| | 12. | Construction of Triangles 30-60-90 | 27. | Test |
| | 13. | Construction of Triangles 45-45-90 | 28. | Alternate Test* |
| | 14. | Quiz 2: Types of Triangles | 29. | Glossary and Credits |
| | 15. | Inequality Theorem in One Triangle Part 1 | | |

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Geometry Fundamentals

## Unit 5: Similar Polygons

**Assignments**

1. Algebra and Ratios
2. Algebra Properties and Proportions
3. Properties of Proportions
4. Quiz 1: Ratios, Properties, and Proportions
5. Meaning of Similarity
6. Meaning of Similarity-Theorems
7. Meaning of Similarity-Proofs
8. Theorems-Similar Polygons
9. Theorems-Special Segments in Triangles
10. Similar Right Triangles
11. The Pythagorean Theorem
12. Theorem about 30-60-90 Right Triangles
13. Theorem about 45-45-90 Right Triangles
14. Quiz 2: Similarity; Triangle Theorems
15. Using Triangles: Rectangular Solids
16. Using Triangles: Regular Square Pyramid
17. Trigonometry-Sine Ratio
18. Trigonometry-Cosine Ratio
19. Trigonometry-Tangent Ratio
20. Using Similar Triangles in Indirect Measurement
21. Using Trigonometry in Indirect Measure
22. Quiz 3: Triangles and Trigonometry
23. Project: Model and Scale Drawing
24. Special Project*
25. Test
26. Alternate Test*
27. Glossary and Credits

GF

## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

Geometry Fundamentals

## Unit 7: Circles

**Assignments**

1. Characteristics of Circles
2. Characteristics of Spheres
3. Quiz 1: Circles and Spheres
4. Tangents
5. Arcs
6. Chords
7. Theorems (1)
8. Theorems (2)
9. Quiz 2: Tangents, Arcs, and Chords
10. Special Angles Type 1
11. Special Angles Type 2
12. Special Angles Type 3
13. Special Segments
14. Quiz 3: Special Angles and Segments
15. Construction: Circles
16. Special Project*
17. Test
18. Alternate Test*
19. Glossary and Credits

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Geometry Fundamentals

## Unit 8: Area and Volume

**Assignments**

1. Area Concepts of Polygons
2. Area of Rectangles
3. Area of Parallelograms
4. Area of Triangles and Rhombuses
5. Area of Trapezoids
6. Area of Regular Polygons
7. Area Comparisons of Polygons
8. Quiz 1: Area of Polygons
9. Construction: Polygons
10. Circles: Circumference and PI
11. Circles: Area of Circles
12. Circles: Area of Sectors
13. Circles: Area of Segments
14. Quiz 2: Area of Circles
15. Solids: Prisms
16. Solids: Pyramids
17. Solids: Cylinders
18. Solids: Cones
19. Solids: Spheres
20. Quiz 3: Volume of Solids
21. Construction: Dividing a Segment
22. Construction: 4th Proportion
23. Construction: The Geometric Mean
24. Special Project*
25. Test
26. Alternate Test*
27. Glossary and Credits

Geometry Fundamentals

## Unit 9: Coordinate Geometry

**Assignments**

1. Symmetry
2. Ordered Pairs: Points in a Plane
3. Graphs of Algebraic Sentences
4. Quiz 1: Symmetry, Ordered Pairs, and Graphs
5. Distance Formula
6. Equation of a Circle
7. Midpoint Formula
8. Quiz 2: Distance Formula and Applications
9. Slope
10. Parallel and Perpendicular Lines
11. Equations of Lines
12. Quiz 3: Slope and Lines
13. Figures in the Coordinate Plane
14. Proofs with Coordinate Geometry (1)
15. Proofs with Coordinate Geometry (2)
16. Quiz 4: Figures and Proofs
17. Special Project*
18. Test
19. Alternate Test*
20. Glossary and Credits

Geometry Fundamentals

## Unit 10: Transformations

**Assignments**

1. Introduction: Rigid Motion, or Isometry
2. Isometry: Reflection
3. Isometry: Translation
4. Isometry: Rotation
5. Quiz 1: Isometry
6. Dilation: Congruence and Similarity
7. Product Transformation
8. Inverse and Identity Transformation
9. Quiz 2: Transformations
10. Special Project*
11. Test
12. Alternate Test*
13. Glossary and Credits

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Geometry Fundamentals

## Unit 11: Review

**Assignments**

1. Geometry as a System
2. Geometry Proofs
3. Angle Relationships and Parallels
4. Quiz 1: Review: Units 1-3
5. Congruent Triangles and Quadrilaterals
6. Similar Polygons
7. Circles
8. Quiz 2: Review: Units 4,5,7
9. Area and Volume
10. Coordinate Geometry
11. Quiz 3: Review: Units 7,8,10
12. Special Project*
13. Test
14. Alternate Test*
15. Glossary and Credits

GF

## Unit 12: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

GF

## Unit 13: Final Exam

**Assignments**

1. Final Exam
2. Alternate Exam - Form A*
3. Alternate Exam - Form B*

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# Geometry

*Geometry* is a full-year, high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

- **Introduction**: Student will solve problems using set theory and operations, identify characteristics of postulates and relate geometric theorems on points, lines, and planes.
- **Logic**: Student will use inductive reasoning to draw reasonable conclusions, or deductive reasoning to prove basic theorems, and write conditional statements, converses, inverses and contrapositives.
- **Angles and Parallels**: Student will identify types of angles, categorize a shape as a polygon or non-polygon, identify different kinds of polygons, and find angle measures of polygons.
- **Congruent Triangles and Quadrilaterals**: Student will identify corresponding parts of congruent triangles, prove congruent parts using different theorems and postulates, and solve for angle measures of congruent polygons.
- **Similar Polygons**: Student will use facts about similarity to calculate side and angle measures in similar polygons, and use sine, cosine, and tangent values to solve for missing values in triangles.
- **Circles**: Student will identify different parts of a circle, and angles and arcs created by different lines interacting with circles, and calculate their measures.
- **Area and Volume**: Student will calculate the area, surface area, and volume of varying polygons by breaking them down into smaller and recognizable shapes.
- **Coordinate Geometry**: Student will graph linear equations and inequalities, use the distance and mid-point formulas to find lengths of segments and perimeters of geometric shapes, and find the equation of a line in various ways.
- **Transformations**: Student will understand rotations, reflections, dilations and translations in terms of angles, circles, perpendicular lines, and line segments, and find the result of combining multiple transformations.
- **Geometric Application**: Student will use the functions sine, cosine, and tangent, and the inverse trigonometric functions (sin-1, cos-1, and tan-1) to calculate unknown side lengths in right triangles, calculate densities, and use ratios to calculate unit scales.
- **Probability**: Student will determine the number of combinations, or permutations, in choosing elements from a set, explain the concept of conditional probability as found in everyday situations, and analyze decisions and strategies using probability concepts.

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Geometry

## Unit 1: Introduction

**Assignments**

1. Course Overview
2. Mathematic System: Set Theory Review
3. Mathematic System: Operations with Sets
4. Quiz 1: Set Theory
5. Geometry Undefined Terms: Point
6. Geometry Undefined Terms: Line
7. Geometry Undefined Terms: Plane
8. Quiz 2: Undefined Terms
9. Defined Terms: Definitions
10. Quiz 3: Defined Terms
11. Geometric Postulates
12. Review of Algebraic Postulates
13. Geometric Theorems
14. Review of Properties of Algebra
15. Quiz 4: Postulates and Theorems
16. Performance Task
17. Alternate Performance Task*
18. Special Project*
19. Test
20. Alternate Test*
21. Glossary and Credits

Geometry

## Unit 2: Logic

**Assignments**

1. Logic
2. Conjunctions
3. Disjunctions
4. Negation
5. Conditional or Implication Statements
6. Converse, Inverse, Contrapositive
7. Quiz 1: Principles of Logic
8. Inductive Reasoning
9. Deductive Reasoning
10. Using Deductive Reasoning
11. Quiz 2: Inductive and Deductive Reasoning
12. Proof Formats: Statement of the Theorem
13. Proof Formats: The Figure
14. Proof Formats: The Given Statement
15. Proof Formats: To Prove Statement
16. Proof Formats: The Plan of the Proof
17. Indirect Proof Format: The Paragraph Proof
18. Quiz 3: Proof Formats
19. Performance Task
20. Alternate Performance Task*
21. Special Project*
22. Test
23. Alternate Test*
24. Glossary and Credits

Geometry

## Unit 3: Angles and Parallels

**Assignments**

1. Angle Definitions
2. Angle Measurement
3. Quiz 1: Angles
4. Geometric Proof
5. Angle Relationship Definitions
6. Angle Relationship Theorems (1)
7. Angle Relationship Theorems (2)
8. Quiz 2: Angle Theorems
9. Construction: Copying Figures
10. Construction: Bisecting Figures
11. Basic Properties of Parallels
12. Transversals and Special Angles
13. More Proofs: Transversals and Special Angles
14. Continued Proofs: Transversals and Special Angles
15. More Proofs for Postulates 9 and 10
13. Quiz 3: Parallels and Transversals
14. Construction: Perpendiculars
15. Construction: Tangents to Circles
16. Construction: Parallels
17. Classifying Triangles by Sides and Angles
18. Exterior and Remote Interior Angles of a Triangle
19. Proofs Involving Triangles
20. Other Polygons
21. Quiz 4: Triangles, Polygons, and Angle Properties
22. Performance Task
23. Alternate Performance Task*
24. Special Project*
25. Test
26. Alternate Test*
27. Glossary and Credits

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Geometry

## Unit 4: Congruent Triangles and Quadrilaterals

**Assignments**

1. Defining Congruent Triangles
2. Proving Triangles Congruent (1)
3. Proving Triangles Congruent (2)
4. Proving Triangles Congruent (3)
5. Proving Right Triangles Congruent
6. Quiz 1: Congruent Triangles
7. Independent Triangles (1)
8. Independent Triangles (2)
9. Overlapping Triangles (1)
10. Overlapping Triangles (2)
11. Isosceles Triangles (1)
12. Isosceles Triangles (2)
13. Construction of Triangles 30-60-90
14. Construction of Triangles 45-45-90
15. Constructing Inscribed Shapes
16. Quiz 2: Types of Triangles
17. Inequality Theorem in One Triangle Part 1
18. Inequality Theorem in One Triangle Part 2
19. Inequality Theorem in Two Triangles
20. Quadrilateral Parallelograms Theorems Part 1
21. Quadrilateral Parallelograms Theorems Part 2
22. Quiz 3: Inequalities; Quadrilaterals
23. Triangles that Use Parallelograms in Proofs
24. Parallelograms: Rectangles
25. Parallelograms: Rhombus
26. Trapezoids-Definitions and Proofs
27. Quiz 4: Parallelograms; Trapezoids
28. Performance Task
29. Alternate Performance Task*
30. Special Project*
31. Test
32. Alternate Test*
33. Glossary and Credits

Geometry

## Unit 5: Similar Polygons

**Assignments**

1. Algebra and Ratios
2. Algebra Properties and Proportions
3. Properties of Proportions
4. Quiz 1: Ratios, Properties, and Proportions
5. Meaning of Similarity
6. Meaning of Similarity-Theorems
7. Meaning of Similarity-Proofs
8. Theorems-Similar Polygons
9. Theorems-Special Segments in Triangles
10. Similar Right Triangles
11. The Pythagorean Theorem
12. Theorem about 30-60-90 Right Triangles
13. Theorem about 45-45-90 Right Triangles
14. Quiz 2: Similarity; Triangle Theorems
15. Using Triangles: Rectangular Solids
13. Using Triangles: Regular Square Pyramid
14. Trigonometry-Sine Ratio
15. Trigonometry-Cosine Ratio
16. Trigonometry-Tangent Ratio
17. Using Similar Triangles in Indirect Measurement
18. Using Trigonometry in Indirect Measure
19. Quiz 3: Triangles and Trigonometry
20. Project: Model and Scale Drawing
21. Performance Task
22. Alternate Performance Task*
23. Special Project*
24. Test
25. Alternate Test*
26. Glossary and Credits
27.

Geometry

## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

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Geometry

## Unit 7: Circles

**Assignments**

1. Characteristics of Circles
2. Characteristics of Spheres
3. Quiz 1: Circles and Spheres
4. Tangents
5. Arcs
6. Chords
7. Theorems (1)
8. Theorems (2)
9. Quiz 2: Tangents, Arcs, and Chords
10. Special Angles Type 1
11. Special Angles Type 2
12. Special Angles Type 3
13. Special Segments
14. Quiz 3: Special Angles and Segments
15. Construction: Circles
16. Performance Task
17. Alternate Performance Task*
18. Special Project*
19. Test
20. Alternate Test*
21. Glossary and Credits

Geometry

## Unit 8: Area and Volume

**Assignments**

1. Area Concepts of Polygons
2. Area of Rectangles
3. Area of Parallelograms
4. Area of Triangles and Rhombuses
5. Area of Trapezoids
6. Area of Regular Polygons
7. Area Comparisons of Polygons
8. Quiz 1: Area of Polygons
9. Construction: Polygons
10. Circles: Circumference and PI
11. Circles: Area of Circles
12. Circles: Area of Sectors
13. Circles: Area of Segments
14. Quiz 2: Area of Circles
15. Solids: Prisms
16. Solids: Pyramids
17. Solids: Cylinders
18. Solids: Cones
19. Solids: Spheres
20. Quiz 3: Volume of Solids
21. Two- and Three-Dimensional Shapes
22. Project: Rotating a Two Dimensional Shape
23. Geometric Probability
24. Construction: Dividing a Segment
25. Construction: 4th Proportion
26. Construction: The Geometric Mean
27. Performance Task
28. Alternate Performance Task*
29. Special Project*
30. Test
31. Alternate Test*
32. Glossary and Credits

Geometry

## Unit 9: Coordinate Geometry

**Assignments**

1. Symmetry
2. Ordered Pairs: Points in a Plane
3. Graphs of Algebraic Sentences
4. Quiz 1: Symmetry, Ordered Pairs, and Graphs
5. Distance Formula
6. Perimeter and Area
7. Equation of a Circle
8. Midpoint Formula
9. Quiz 2: Distance Formula and Applications
10. Slope
11. Parallel and Perpendicular Lines
12. Equations of Lines
13. Quiz 3: Slope and Lines
14. Figures in the Coordinate Plane
15. Proofs with Coordinate Geometry (1)
16. Proofs with Coordinate Geometry (2)
17. Quiz 4: Figures and Proofs
18. Performance Task 2
19. Alternate Performance Task 2*
20. Special Project*
21. Test
22. Alternate Test*
23. Glossary and Credits

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Geometry

## Unit 10: Transformations

**Assignments**

1. Introduction: Rigid Motion, or Isometry
2. Isometry: Reflection
3. Isometry: Translation
4. Isometry: Rotation
5. Quiz 1: Isometry
6. Transformation Sequences
7. Similarity Transformation: Dilation
8. Product Transformation
9. Inverse and Identity Transformation
10. Quiz 2: Transformations
11. Performance Task
12. Alternate Performance Task*
13. Special Project*
14. Test
15. Alternate Test*
16. Glossary and Credits

Geometry

## Unit 11: Geometric Application

**Assignments**

1. Using SOH CAH TOA in Trigonometry
2. Finding the Values of Trigonometric Functions
3. Law of Sines
4. Quiz 1: Sines
5. Ambiguity and Area of a Triangle
6. Law of Cosines: Finding a Side
7. Law of Cosines: Finding an Angle
8. Quiz 2: Cosines
9. Modeling with Geometric Figures
10. Density
11. Geometry in Design
12. Quiz 3: Modeling Geometry
13. Special Project*
14. Test
15. Alternate Test*
16. Glossary and Credits

Geometry

## Unit 12: Probability

**Assignments**

1. Definitions, Sample Spaces, and Probability
2. Addition of Probabilities
3. Multiplication of Probabilities
4. Quiz 1: Using Probability
5. Definitions
6. Permutations of N Things: Different
7. Permutations of N things: Not All Different
8. Combinations
9. Quiz 2: Probability
10. Conditional Probability
11. Conditional Probability in Real-World Situations
12. Two-Way Frequency Tables
13. Using Probability in Decision Making
14. Quiz 3: Conditional Probability
15. Special Project*
16. Test
17. Alternate Test*
18. Glossary and Credits

Geometry

## Unit 13: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

Geometry

## Unit 14: Final Exam

**Assignments**

1. Final Exam
2. Alternate Exam - Form A*
3. Alternate Exam - Form B*
4. Performance Task 1
5. Performance Task 2

Geometry

## Unit 15: End of Course Exam

**Assignments**

1. Exam
2. Alternate Exam - Form A*
3. Alternate Exam - Form B*

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# Algebra II Fundamentals

Algebra II Fundamentals is a full-year, high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving.

By the end of the course, students will be expected to do the following:

- Understand set notation and the structure of mathematical systems.
- Know how to use functional notation and operations on functions.
- Simplify and solve algebraic fractions.
- Perform operations on polynomials, including factoring, long division, and synthetic division.
- Solve algebraic word problems involving mixtures, money, integers, and work.
- Evaluate and solve radical expressions and equations.
- Solve systems of equations with graphing, substitution, and matrices.
- Graph and solve quadratic equations, including conic sections.
- Graph and solve exponential and logarithmic equations.
- Calculate permutations, combinations, and complex probabilities.

Algebra II Fundamentals

**Unit 1: Set, Structure, and Function**

**Assignments**

1. Course Overview
2. Properties of Sets
3. Operations of Sets
4. Quiz 1: Set Theory
5. Structure: Axioms
6. Structure: Applications
7. Relations and Functions: Definitions
8. Relations and Functions: Graphs
9. Relations and Functions: Function Notation
10. Relations and Functions: Inverses
11. Quiz 2: Relations and Functions
12. Algebraic Expressions: Exponents Part 1
13. Algebraic Expressions: Exponents Part 2
14. Algebraic Expressions: Multiplication and Division Part 1
15. Algebraic Expressions: Multiplication and Division Part 2
16. Exponents of Exponential Expressions
17. Algebraic Expressions: Combining Terms
18. Quiz 3: Algebraic Expressions
19. Special Project*
20. Test
21. Alternate Test*
22. Glossary and Credits

Algebra II Fundamentals

**Unit 2: Numbers, Sentences, and Problems**

**Assignments**

1. Number Order and Absolute Value
2. Sums and Products
3. Quiz 1: Numbers
4. Solving Equations
5. Multiplication Property
6. Multi-step Equations
7. Equations with Parentheses
8. Literal Expressions
9. Solving Inequalities
10. Graphing Solution Sets for Inequalities
11. Compound Sentences
12. Quiz 2: Equalities and Inequalities
13. Number Problems
14. Motion Problems
15. Miscellaneous Problems
16. Quiz 3: Problems
17. Special Project*
18. Test
19. Alternate Test*
20. Glossary and Credits

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Algebra II Fundamentals

## Unit 3: Linear Equations and Inequalities

**Assignments**

1. Line Graphs
2. Line Graphs by Two Points
3. Slope of Lines Part 1
4. Slope of Lines Part 2
5. Equations: Point Slope Part 1
6. Equations: Point Slope Part 2
7. Equations: Point Slope Part 3
8. Equations: Slope-Intercept
9. General Equation of a Line
10. Quiz 1: Lines
11. Solutions for Systems of Equations
12. Solutions by Addition
13. Solutions by Substitution
14. Application of Systems of Equations
15. Quiz 2: Solutions for Systems
16. Solving Inequalities
17. Solving Two-order Inequalities
18. Quiz 3: Solving Inequalities
19. Special Project*
20. Test
21. Alternate Test*
22. Glossary and Credits

Algebra II Fundamentals

## Unit 4: Polynomials

**Assignments**

1. Products and Factoring
2. Multiplying Polynomials by Polynomials
3. Using Special Products Part 1
4. Using Special Products Part 2
5. Factoring Trinomials
6. Factoring Special Products Part 1
7. Factoring Special Products Part 2
8. Quiz 1: Special Products
9. Addition and Subtraction Operations
10. Division with Polynomials
11. Synthetic Division
12. Quiz 2: Polynomials
13. Direct Variation
14. Inverse Variation
15. Joint and Combined Variation
16. Quiz 3: Working Variations
17. Project: Creating an Algorithm
18. Special Project*
19. Test
20. Alternate Test*
21. Glossary and Credits

Algebra II Fundamentals

## Unit 5: Algebraic Fractions

**Assignments**

1. Multiplying and Dividing with Fractions
2. Reducing Rational Expressions
3. Multiplying Algebraic Fractions
4. Dividing Algebraic Fractions
5. Quiz 1: Algebraic Fractions
6. Adding and Subtracting Algebraic Fractions
7. Addition and Subtraction
8. Mixed Expressions and Complex Fractions
9. Quiz 2: Addition and Subtraction of Fractions
10. Equations with Fractions
11. Fractional Equations
12. Proportions
13. Quiz 3: Fractional Equations
14. Applications of Fractions
15. Mixture Problems
16. Work Problems
17. Quiz 4: Problems with Fractions
18. Special Project*
19. Test
20. Alternate Test*
21. Glossary and Credits

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## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

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Algebra II Fundamentals

## Unit 7: Real Numbers

**Assignments**

1. Real Numbers
2. Law of Radicals
3. Conjugates
4. Radical Equations
5. Quiz 1: Real Numbers
6. Quadratic Equations
7. Factoring Quadratic Equations
8. Completing the Square
9. Quiz 2: Quadratic Solutions
10. Quadratic Formula
11. Word Problems Involving Quadratic Equations
12. Sum and Product of Roots
13. The Discriminant
14. Imaginary Numbers
15. Quiz 3: Quadratic Formula
16. Special Project*
17. Test
18. Alternate Test*
19. Glossary and Credits

Algebra II Fundamentals

## Unit 8: Quadratic Relations and Systems

**Assignment Titles**

1. Distance Formula
2. Circle
3. Ellipse
4. Ellipse Continued
5. Quiz 1: Conics and the Coordinate Plane
6. Conic Sections: Parabola
7. Conic Sections: Parabola Continued
8. Conic Sections: Hyperbola
9. Conic Sections: Hyperbola Continued
10. Identifying Conic Sections
11. Quiz 2: Conics
12. Systems of Equations
13. Solutions of Inequalities
14. Applications of Conic Sections: Part 1
15. Applications of Conic Sections: Part 2
16. Applications of Conic Sections: Part 3
17. Constant of Proportionality
18. Quiz 3: Applications of Conics
19. Special Project*
20. Test
21. Alternate Test*
22. Glossary and Credits

Algebra II Fundamentals

## Unit 9: Exponential Functions

**Assignment Titles**

1. Exponential Functions
2. Fractional Exponents
3. Exponential Equations
4. Graphing Exponential Functions
5. Exponential Applications
6. Quiz 1: Exponential Functions
7. Logarithmic Functions
8. Evaluation of Logarithms
9. Evaluating Exponential Functions, Common Logarithms, and Natural Logarithms
10. General Properties of Logarithms
11. Scientific Notation
12. Calculation of Common Logarithms
13. Graphs of Logarithmic Functions
14. Solving Logarithmic Equations
15. Logarithmic Applications
16. Quiz 2: Logarithmic Functions
17. Matrices
18. System Solutions with Matrices
19. Addition and Multiplication of Matrices
20. Quiz 3: Matrices
21. Special Project*
22. Test
23. Alternate Test*
24. Glossary and Credits

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Algebra II Fundamentals

## Unit 10: Counting Principles

**Assignment Titles**

1. Progressions: Sequences
2. Progressions: Series
3. Quiz 1: Sequences and Series
4. Permutations: Factorials
5. Permutation Formula
6. Permutations: Applications
7. Quiz 2: Permutations
8. Combination Formula
9. Combinations: Applications
10. Combinations: Binomial Coefficients
11. Quiz 3: Combinations
12. Probability: Concepts
13. Probability: Equally Likely Outcomes
14. Probability: Multiplication Principle
15. Conditional Probability
16. Quiz 4: Probability
17. Special Project*
18. Test
19. Alternate Test*
20. Glossary and Credits

Algebra II Fundamentals

## Unit 11: Review

**Assignment Titles**

1. Integers
2. Integers Continued
3. Open Sentences
4. Open Sentences Continued
5. Graphs
6. Graphs Continued
7. Quiz 1: Review
8. Polynomials
9. Polynomials Continued
10. Algebraic Fractions Part 1
11. Algebraic Fractions Part 2
12. Algebraic Fractions Part 3
13. Real Numbers
14. Real Numbers Continued
15. Quiz 2: Review
16. Quadratic Relations and Systems
17. Quadratics Continued
18. Exponential Functions
19. Exponential Functions Continued
20. Counting Principles
21. Counting Principles Continued
22. Quiz 3: Review
23. Special Project*
24. Test
25. Alternate Test*
26. Glossary and Credits

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## Unit 12: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

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## Unit 13: Final Exam

**Assignments**

1. Exam
2. Alternate Exam - Form A*
3. Alternate Exam - Form B*

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# Algebra II

*Algebra II* – is a full-year, high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving.

Objectives

- Understand set notation and the structure of mathematical systems.
- Calculate and perform operations with real and imaginary numbers.
- Know how to use functional notation and operations on functions.
- Simplify and solve algebraic fractions.
- Perform operations on polynomials, including factoring, long division, and synthetic division.
- Solve algebraic word problems involving mixtures, money, integers, and work.
- Evaluate and solve radical expressions and equations.
- Solve systems of equations with graphing, substitution, and matrices.
- Graph and solve quadratic equations, including conic sections.
- Graph and solve exponential and logarithmic equations.
- Explore trigonometric identities and functions using the Unit Circle, graphs and modeling.
- Calculate permutations, combinations, and complex probabilities.
- Interpret sample surveys, normal distributions and observational studies.

Algebra II

**Unit 1: Set, Structure, and Function**

**Assignments**

1. Course Overview
2. Properties of Sets
3. Operations of Sets
4. Quiz 1: Set Theory
5. Structure: Axioms
6. Structure: Applications
7. Relations and Functions: Definitions
8. Relations and Functions: Graphs
9. Relations and Functions: Domain and Range
10. Relations and Functions: Function Transformations
11. Relations and Functions: Function Notation
12. Relations and Functions: Operations
13. Relations and Functions: Inverses
14. Quiz 2: Relations and Functions
15. Algebraic Expressions: Exponents Part 1
16. Algebraic Expressions: Exponents Part 2
17. Algebraic Expressions: Multiplication and Division Part 1
18. Algebraic Expressions: Multiplication and Division Part 2
19. Exponents of Exponential Expressions
20. Algebraic Expressions: Combining Terms
21. Quiz 3: Algebraic Expressions
22. Special Project*
23. Test
24. Alternate Test*
25. Glossary and Credits

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Algebra II

## Unit 2: Numbers, Sentences, and Problems

**Assignments**

1. Number Order and Absolute Value
2. Sums and Products
3. Quiz 1: Numbers, Sentences, and Problems
4. Solving Equations
5. Multiplication Property
6. Multi-step Equations
7. Equations with Parentheses
8. Literal Expressions
9. Solving Inequalities
10. Graphing Solution Sets for Inequalities
11. Compound Sentences
12. Quiz 2: Equalities and Inequalities
13. Number Problems
14. Motion Problems
15. Miscellaneous Problems
16. Quiz 3: Problems
17. Performance Task
18. Alternate Performance Task*
19. Special Project*
20. Test
21. Alternate Test*
22. Glossary and Credits

Algebra II

## Unit 3: Linear Equations and Inequalities

**Assignments**

1. Line Graphs
2. Line Graphs by Two Points
3. Slope of Lines Part 1
4. Slope of Lines Part 2
5. Equations: Point Slope Part 1
6. Equations: Point Slope Part 2
7. Equations: Point Slope Part 3
8. Equations: Slope-Intercept
9. General Equation of a Line
10. Quiz 1: Lines
11. Solutions for Systems of Equations
12. Solutions by Addition
13. Solutions by Substitution
14. Application of Systems of Equations
15. Quiz 2: Solutions for Systems
16. Solving Inequalities
17. Solving Two-order Inequalities
18. Quiz 3: Solving Inequalities
19. Performance Task
20. Alternate Performance Task*
21. Special Project*
22. Test
23. Alternate Test*
24. Glossary and Credits

Algebra II

## Unit 4: Polynomials

**Assignments**

1. Products and Factoring
2. Multiplying Polynomials by Polynomials
3. Using Special Products Part 1
4. Using Special Products Part 2
5. Factoring Trinomials
6. Factoring Special Products Part 1
7. Factoring Special Products Part 2
8. Quiz 1: Special Products
9. Addition and Subtraction Operations
10. Division with Polynomials
11. Synthetic Division
12. The Remainder Theorem
13. Graphing Polynomials
14. Quiz 2: Polynomials
15. Numerical Relationships from Identities
16. Direct Variation
17. Inverse Variation
18. Joint and Combined Variation
19. Quiz 3: Working with Variations
20. Project: Creating an Algorithm
21. Performance Task
22. Alternate Performance Task*
23. Special Project*
24. Test
25. Alternate Test*
26. Glossary and Credits

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Algebra II

## Unit 5: Algebraic Fractions

**Assignments**

1. Multiplying and Dividing with Fractions
2. Reducing Rational Expressions
3. Multiplying Algebraic Fractions
4. Dividing Algebraic Fractions
5. Quiz 1: Algebraic Fractions
6. Adding and Subtracting Rational Expressions
7. Addition and Subtraction
8. Mixed Expressions and Complex Fractions
9. Quiz 2: Addition and Subtraction of Fractions
10. Equations with Fractions
11. Fractional Equations
12. Proportions
13. Quiz 3: Fractional Equations
14. Graphs of Rational Functions
15. Graphs of Rational Functions (2)
16. Applications of Fractions
17. Mixture Problems
18. Work Problems
19. Quiz 4: Problems with Fractions
20. Performance Task
21. Alternate Performance Task*
22. Special Project*
23. Test
24. Alternate Test*
25. Glossary and Credits

Algebra II

## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam – Form A*
4. Alternate Exam – Form B*

Algebra II

## Unit 7: Real Numbers

**Assignments**

1. Real Numbers
2. Law of Radicals
3. Conjugates
4. Radical Equations
5. Quiz 1: Real Numbers
6. Standard Form of a Quadratic Function
7. Quadratic Equations
8. Factoring Quadratic Equations
9. Completing the Square
10. Quiz 2: Quadratic Solutions
11. Quadratic Formula
12. Graphs of Quadratic Functions
13. Word Problems Involving Quadratic Equations
14. Sum and Product of Roots
15. The Discriminant
16. The Fundamental Theorem of Algebra
17. Imaginary Numbers
18. Complex Solutions
19. Quiz 3: Quadratic Formula
20. Performance Task
21. Alternate Performance Task*
22. Special Project*
23. Test
24. Alternate Test*
25. Glossary and Credits

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Algebra II

## Unit 8: Quadratic Relations and Systems

**Assignments**

1. Distance Formula
2. Circle
3. Ellipse
4. Ellipse Continued
5. Quiz 1: Conics and the Coordinate Plane
6. Conic Sections: Parabola
7. Conic Sections: Parabola Continued
8. Conic Sections: Hyperbola
9. Conic Sections: Hyperbola Continued
10. Identifying Conic Sections
11. Quiz 2: Conics
12. Systems of Equations
14. Solutions of Inequalities
15. Applications of Conic Sections–Part 1
16. Applications of Conic Sections–Part 2
17. Applications of Conic Sections–Part 3
18. Constant of Proportionality
19. Quiz 3: Applications of Conics
20. Performance Task
21. Alternate Performance Task *
22. Special Project*
23. Test
24. Alternate Test*
25. Glossary and Credits

Algebra II

## Unit 9: Functions

**Assignments**

1. Absolute Value Functions
2. Exponential Functions
3. Fractional Exponents
4. Radical Functions
5. Graphs of Piece-Wise Defined Functions
6. Exponential Equations
7. Graphing Exponential Functions
8. Exponential Applications
9. Solving Equations by Graphing Functions
10. Quiz 1: Exponential Functions
11. Logarithmic Functions
12. Evaluation of Logarithms
13. Evaluating Exponential Functions, Common and Natural Logarithms
14. General Properties of Logarithms
15. Scientific Notation
16. Calculation of Common Logarithms
17. Graphs of Logarithmic Functions
18. Solving Logarithmic Equations
19. Graphs of Natural Logarithms
20. Logarithmic Applications
21. Quiz 2: Logarithmic Functions
22. Comparing Functions
23. Inverse Functions
24. Matrices
25. System Solutions with Matrices
26. Addition and Multiplication of Matrices
27. Quiz 3: Matrices
28. Performance Task
29. Alternate Performance Task*
30. Special Project*
31. Test
32. Alternate Test*
33. Glossary and Credits

Algebra II

## Unit 10: Counting Principles

**Assignments**

1. Progressions: Sequences
2. Arithmetic and Geometric Sequences
3. Progressions: Series
4. Quiz 1: Sequences and Series
5. Permutations: Factorials
6. Permutation Formula
7. Permutations: Applications
8. Quiz 2: Permutations
9. Combination Formula
10. Combinations: Applications
11. Combinations: Binomial Coefficients
12. Quiz 3: Combinations
13. Probability: Concepts
14. Probability: Equally Likely Outcomes
15. Probability: Multiplication Principle
16. Conditional Probability
17. Quiz 4: Probability
18. Performance Task
19. Alternate Performance Task*
20. Special Project*
21. Test
22. Alternate Test*
23. Glossary and Credits

Algebra II

## Unit 11: Trigonometry

**Assignments**

1. Trigonometry Basics
2. The Unit Circle
3. Reciprocal Functions
4. Radian Measure
5. Quiz 1: Unit Circle
11. Quiz 3: Graphs
12. Project: Regression Curve
13. Performance Task
14. Alternate Performance Task*
15. Special Project*

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| | | |
|---|---|---|
| 6. Trigonometric Functions on the Unit Circle | 16. Review |
| 7. Pythagorean Identity | 17. Test |
| 8. Quiz 2: Trigonometric Functions | 18. Alternate Test* |
| 9. Graphs and Amplitude | 19. Glossary and Credits |
| 10. Graphs and Modeling | |

Algebra II

## Unit 12: Statistics

**Assignments**

| | |
|---|---|
| 1. Sample Surveys | 11. Appropriate Models |
| 2. Normal Distributions | 12. Modeling Functions |
| 3. Simulations | 13. Regression Models |
| 4. Experiments | 14. Quiz 3: Math Models |
| 5. Quiz 1: Statistics | 15. Special Project* |
| 6. Observational Studies | 16. Review |
| 7. Probability and Decisions | 17. Test |
| 8. Quiz 2: Statistical Probability | 18. Alternate Test* |
| 9. Performance Task | 19. Glossary and Credits |
| 10. Alternate Performance Task* | |

Algebra II

## Unit 13: Review

**Assignments**

| | |
|---|---|
| 1. Integers | 14. Real Numbers Continued |
| 2. Integers Continued | 15. Quiz 2: Review |
| 3. Open Sentences | 16. Quadratic Relations and Systems |
| 4. Open Sentences Continued | 17. Quadratics Continued |
| 5. Graphs | 18. Exponential Functions |
| 6. Graphs Continued | 19. Exponential Functions Continued |
| 7. Quiz 1: Review | 20. Counting Principles |
| 8. Polynomials | 21. Counting Principles Continued |
| 9. Polynomials Continued | 22. Quiz 3: Review |
| 10. Algebraic Fractions Part 1 | 23. Special Project* |
| 11. Algebraic Fractions Part 2 | 24. Test |
| 12. Algebraic Fractions Part 3 | 25. Alternate Test* |
| 13. Real Numbers | 26. Glossary and Credits |

Algebra II

## Unit 14: Semester Review and Exam

**Assignments**

| | |
|---|---|
| 1. Review | 3. Alternate Exam – Form A* |
| 2. Exam | 4. Alternate Exam – Form B* |

Algebra II

## Unit 15: Final Exam

**Assignments**

| | |
|---|---|
| 1. Exam | 4. Performance Task 1* |
| 2. Alternate Exam – Form A* | 5. Performance Task 2* |
| 3. Alternate Exam – Form B* | |

Algebra II

## Unit 16: End of Course Exam

**Assignments**

| | |
|---|---|
| 1. Exam | 3. Alternate Exam – Form B* |
| 2. Alternate Exam – Form A* | |

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# Pre-calculus

Pre-calculus is a full-year, high school credit course that is intended for the student who has successfully mastered the core algebraic and conceptual geometric concepts covered in the prerequisite courses: Algebra I, Geometry, and Algebra II. The course primarily focuses on the skills and methods of analytic geometry and trigonometry while investigating further relationships in functions, probability, number theory, limits, and the introduction of derivatives.

- **Relations and Functions**: Student will examine functions, inverses of functions and combine functions to verify inverses, as well as distinguish between linear and quadratic functions.

- **Functions**: Student will solve polynomials using the quadratic theorem, remainder theorem and factor theorem, identify graphs of different polynomial equations and inequalities, and understand complex numbers.

- **Trigonometric Functions**: Student will identify and solve for missing components of trigonometric functions, calculating trigonometric values for different angles and relate degrees to radians, and radians to degrees.

- **Circular Functions and their Graphs**: Student will use parametric equations with trigonometric operations to model and solve problems, and calculate amplitude, period, and phase shift for graphed trigonometric functions.

- **Identities and Functions of Multiple Angles**: Student will simplify trigonometric expressions utilizing trigonometric identities, and double and half-angel formulas, and combine the identities and angle formulas learned in this unit to prove trigonometric relationships.

- **Application of Trigonometric Functions**: Student will solve problems using trigonometric functions, and combine trigonometric functions and vectors to solve incline plane problems and navigation problems.

- **Inverse Trigonometric Functions and Polar Coordinates**: Student will solve for unknowns using inverse trigonometric functions, recognize their graphs, and convert equations from Cartesian to polar coordinates, and from polar to Cartesian coordinates.

- **Quadratic Equations**: Student will identify properties and equations of circles, ellipses, parabolas and hyperbolas, and calculate point rotations and apply them to equations.

- **Counting Principles**: Student will distinguish between mutually exclusive, independent and dependent events, and between combination and permutation, and use the explicit formula and the recursive formula to find the nth term as well as the general term of an arithmetic sequence, or geometric sequence.

- **Calculus**: Student will solve functions involving numbers and conditions, understand limit notation, and evaluate limits using the limit theorems, and find the slope of curves, and calculate the angle between two curves.

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Pre-calculus

## Unit 1: Relations and Functions

**Assignments**

1. Course Overview
2. Ordered-Pair Numbers: Relations
3. Ordered-Pair Numbers: Functions
4. Ordered-Pair Numbers: Rules of Correspondence
5. Quiz 1: Relations and Functions
6. Algebra of Functions: Notation
7. Algebra of Functions: Arithmetic
8. Algebra of Functions: Composition
9. Algebra of Functions: Inverse
10. Quiz 2: Relations and Functions
11. Special Project*
12. Test
13. Alternate Test*
14. Glossary and Credits

Pre-calculus

## Unit 2: Functions

**Assignments**

1. Linear Functions: Graphs
2. Linear Functions: Equations
3. Quiz 1: Linear Functions
4. 2nd-Degree Functions: Solutions
5. Relationships Between Zeros and Coefficients
6. Quadratic Inequalities
7. Quiz 2: Second-Degree Functions
8. Polynomial Functions
9. Nth-Degree Equations
10. Solving Polynomial Equations
11. Quiz 3: Polynomial Functions
12. Complex Numbers
13. Operations with Complex Numbers
14. Conjugates and Polynomial Identities
15. Distance and Midpoint
16. Quiz 4: Complex Numbers
17. Rational Inequalities
18. Greatest Integer Function
19. Exponential Function
20. Logarithmic Function
21. Function Combinations
22. Quiz 5: Special Functions
23. Special Project*
24. Test
25. Alternate Test*
26. Glossary and Credits

Pre-calculus

## Unit 3: Trigonometric Functions

**Assignments**

1. Definition of the Trigonometric Functions
2. Quiz 1: Trigonometric Functions
3. Evaluation of Functions
4. Quiz 2: Evaluation of Functions
5. Angle Location
6. Quiz 3: Angle Location
7. Reduction Formulas
8. Quiz 4: Reduction Formulas
9. Quadrantal Angles
10. Quiz 5: Quadrantal Angles
11. Special Angles
12. Quiz 6: Special Angles
13. Radian Measure
14. Quiz 7: Radian Measure
15. Special Project*
16. Test
17. Alternate Test*
18. Glossary and Credits

Pre-calculus

## Unit 4: Circular Functions and Their Graphs

**Assignments**

1. Circular Functions
2. Quiz 1: Circular Functions
3. Circular Functions of Special Angles
4. Quiz 2: Circular Functions of Special Angles
5. Graphs of Sin and Cos
6. Quiz 3: Graphs of Sin and Cos
7. Other Graphs
8. Quiz 4: Other Graphs
9. Applications
10. Parametric Equations
11. Quiz 5: Applications
12. Amplitude of Circular Functions
13. Quiz 6: Amplitude of Circular Functions
14. Period of Circular Functions
15. Quiz 7: Period of Circular Functions
16. Phase Shift of Circular Functions
17. Quiz 8: Phase Shift of Circular Functions
18. Special Project*
19. Test
20. Alternate Test*
21. Glossary and Credits

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Pre-calculus

## Unit 5: Identities and Functions of Multiple Angles

**Assignments**

1. Reciprocal Relations
2. Quiz 1: Reciprocal Relations
3. Pythagorean Relations
4. Quiz 2: Pythagorean Relations
5. Quotient Relations
6. Quiz 3: Quotient Relations
7. Trigonometric Identities
8. Quiz 4: Trigonometric Identities
9. Cosine of the Sum of Two Angles
10. Quiz 5: Cosine of the Sum of Two Angles
11. Additional Sum and Difference Formulas
12. Quiz 6: Additional Sum and Difference Formulas
13. Double- and Half-Angle Formulas
14. Quiz 7: Double- and Half-Angle Formulas
15. Identities
16. Quiz 8: Identities
17. Trigonometric Equations
18. Quiz 9: Trigonometric Equations
19. Special Project*
20. Test
21. Alternate Test*
22. Glossary and Credits

Pre-calculus

## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam—Form A*
4. Alternate Exam—Form B*

Pre-calculus

## Unit 7: Application of Trigonometric Functions

**Assignments**

1. Trigonometric Functions of Any Angle
2. Quiz 1: Trigonometric Functions of Any Angle
3. More Trigonometric Functions of Any Angle
4. Quiz 2: Trigonometric Functions
5. Applied Problems
6. Law of Cosines
7. Quiz 3: Law of Cosines
8. Law of Sines
9. Quiz 4: Law of Sines
10. Vectors
11. Operations with Vectors
12. Applications of Vectors
13. More Applications
14. Quiz 5: More Applications
15. Inclined Plane Application
16. Navigation Application
17. Quiz 6: Additional Application Problems
18. Special Project*
19. Test
20. Alternate Test*
21. Glossary and Credits

Pre-calculus

## Unit 8: Inverse Trigonometric Functions and Polar Coordinates

**Assignments**

1. The Inverse Sine Function
2. Quiz 1: The Inverse Sine Function
3. The Inverse Cosine Function
4. Quiz 2: The Inverse Cosine Function
5. The Inverse Tangent Function
6. Quiz 3: The Inverse Tangent Function
7. Other Inverse Functions
8. Quiz 4: Other Inverse Functions
9. Graphs of Inverse Functions
10. Quiz 5: Graphs of Inverse Functions
11. Graphing Polar Coordinates
12. Quiz 6: Graphing Polar Coordinates
13. Converting Coordinates
14. Quiz 7: Converting Coordinates
15. Converting Cartesian Equations to Polar Equations
16. Quiz 8: Converting Cartesian Equations to Polar Equations
17. Converting Polar Equations to Cartesian Equations
18. Quiz 9: Converting Polar Equations to Cartesian Equations
19. Graphing Polar Equations
20. Quiz 10: Graphing Polar Equations
21. Project: De Moivre's Theorem
22. Special Project*
23. Test
24. Alternate Test*
25. Glossary and Credits

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Pre-calculus

## Unit 9: Quadratic Equations

**Assignments**

1. The Circle
2. The Circle Continued
3. Equation from Three Points
4. Equation from Three Points Applied
5. The Ellipse
6. The Ellipse: Standard Form
7. The Ellipse: General Form
8. The Ellipse Applied
9. Quiz 1: Quadratic Equations
10. The Parabola
11. The Parabola Continued
12. The Parabola: Standard Form
13. The Parabola Applied
14. The Hyperbola
15. Quiz 2: Quadratic Equations
16. Translation
17. Translation of Equations
18. Rotation
19. Rotation of Equations
20. Quiz 3: Quadratic Equations
21. Special Project*
22. Test
23. Alternate Test*
24. Glossary and Credits

Pre-calculus

## Unit 10: Counting Principles

**Assignments**

1. Definitions, Sample Spaces, and Probability
2. Addition of Probabilities
3. Multiplication of Probabilities
4. Quiz 1: Probability
5. Definitions
6. Permutation of N Things: Different
7. Permutation of N Things: Not All Different
8. Circular Permutations
9. Combinations
10. Binomial Theorem
11. Quiz 2: Probability
12. Arithmetic and Geometric Sequences
13. Summation
14. Arithmetic and Geometric Series
15. Quiz 3: Sequences and Series
16. Proofs by Mathematical Induction
17. Special Project
18. Test
19. Alternate Test
20. Glossary and Credits

Pre-calculus

## Unit 11: Calculus and Review

**Assignments**

1. Functional Notation
2. Difference Quotient
3. Limits
4. Quiz 1: Limits
5. Slope of a Curve
6. Slope of a Line
7. Angle Between Curves
8. Quiz 2: Slopes and Curves
9. Review: Relations and Functions
10. Review: Trigonometric and Circular Functions
11. Review: Identities, Multiple Angle Functions
12. Review: Inverse Trig Functions; Polar Coordinates; Quadratics
13. Review: Probability and Calculus
14. Quiz 3: Reviews
15. Special Project
16. Test
17. Alternate Test
18. Glossary and Credits

Pre-calculus

## Unit 12: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam—Form A*
4. Alternate Exam—Form B*

Pre-calculus

## Unit 13: Final Exam

**Assignments**

1. Exam
2. Alternate Exam—Form A*
3. Alternate Exam—Form B*

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# Science

## Science 300

Science 300 is a basic elementary course intended to expose students to the designs and patterns in God's physical universe. This course provides a broad survey of the major areas of science. Some of the areas covered in Science 300 include the human body, plants, animals, health and nutrition, matter, sound waves, earth science, and heat energy.

The course seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects designed to build on children's natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Collectively, this should help students develop a subject-matter knowledge base.

**Upon completion of the course, students should be able to do the following:**

- Demonstrate a basic understanding of the systems in a human body.
- Discuss the process a plant goes through in order to grow.
- Explain the difference between types of animals.
- Determine which eating and care habits are the most healthy for students.
- Distinguish between the three phases of matter and describe their properties.
- Explain how sound travels.
- Describe why time and seasons change.
- Discuss how rocks are formed and how they change.
- Explain how heat is produced.

Science 300

**Unit 1: You Grow and Change**

**Assignments**

1. Course Overview
2. Your Body Breathes Air
3. The Body Needs Oxygen
4. Experiment: Breathing Patterns
5. Experiment: Your Lungs*
6. Quiz 1
7. Your Body Digests Food
8. Experiment: Taste Test
9. Quiz 2
10. Your Body Exercises and Rests
11. Experiment: Taking Your Pulse
12. Project: Bone Numbers*
13. Quiz 3
14. Your Body is Different from an Animal
15. Quiz 4
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

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Science 300

## Unit 2: Plants

**Assignments**

1. Plant Parts
2. Experiment: Root Hairs
3. Experiment: Study a Stem*
4. Quiz 1
5. Plant Growth
6. Experiment: Grow Some Plants
7. Quiz 2
8. Plant Changes
9. Experiment: Watch Bean Seeds Grow
10. Experiment: Plant a Piece of Potato*
11. Experiment: Bean Plant*
12. Quiz 3
13. Special Project*
14. Review Game
15. Test
16. Alternate Test*
17. Reference

Science 300

## Unit 3: Animals: Growth and Change

**Assignments**

1. Animals and The Environment
2. Experiment: Hourly Temperature Changes
3. Experiment: Heat Energy Comparison*
4. Project: Desert Locations*
5. Quiz 1
6. How Animals are Different
7. Animal Structures
8. Project: Vertebrate Chart
9. Eating and Breathing
10. Project: Sort Birds By Type*
11. Quiz 2
12. How Animals Grow and Change
13. Project: Sow Bug Environment
14. Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

Science 300

## Unit 4: You Are What You Eat

**Assignments**

1. How to Build a Healthy Body
2. How to Build a Healthy Body-2
3. Quiz 1
4. How to Plan for Healthy Eating
5. Project: Breakfast Chart
6. Project: Lunch Chart*
7. Project: Dinner Chart*
8. Project: Chart Totals*
9. Quiz 2
10. How to Form Good Health Habits
11. Caring for the Eyes and Body
12. Quiz 3
13. Special Project*
14. Review Game
15. Test
16. Alternate Test*
17. Reference

Science 300

## Unit 5: Properties of Matter

**Assignments**

1. Chemistry and Robert Boyle
2. Experiment: Be a Chemist
3. Properties of Matter
4. Experiment: Volume
5. Experiment: Think about Mass*
6. Experiment: Is Air Matter?*
7. Project: Matter List*
8. Experiment: Is Water Matter?*
9. Quiz 1
10. Physical Changes
11. Experiment: Mass Measurement
12. Experiment: Melting Ice Cubes*
13. Chemical Changes
14. Quiz 2
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

Science 300

## Unit 6: Sounds and You

**Assignments**

1. What is Sound?
2. Experiment: Vibrations
3. Quiz 1
4. How Does Sound Travel?
11. How Do You Hear Sounds?
12. Experiment: Think About Hearing
13. Report: How Animals Hear*
14. Quiz 3

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| | | |
|---|---|---|
| | 5. How Are Different Sounds Made? | 15. Special Project* |
| | 6. Experiment: Sound Patterns | 16. Review Game |
| | 7. Report: Read and Write About Sound | 17. Test |
| | 8. Experiment: High and Low Sounds | 18. Alternate Test* |
| | 9. Experiment: Loud or Soft?* | 19. Reference |
| | 10. Quiz 2 | |

| Science 300 | Unit 7: Time and Seasons | |
|---|---|---|
| | **Assignments** | |
| | 1. How the Earth Moves | 9. Quiz 2 |
| | 2. Experiment: The Earth | 10. Why Seasons Change |
| | 3. Experiment: Night | 11. Quiz 3 |
| | 4. Experiment: The Earth's Rotation* | 12. Special Project* |
| | 5. Quiz 1 | 13. Review Game |
| | 6. Why Time Changes | 14. Test |
| | 7. Experiment: Different Times | 15. Alternate Test* |
| | 8. Report: Months* | 16. Reference |

| Science 300 | Unit 8: Rocks and Their Change | |
|---|---|---|
| | **Assignments** | |
| | 1. How Rocks are Formed: By Heat | 10. Report: Mount Rushmore |
| | 2. Rocks Formed by Volcanoes | 11. Rocks are Used for Enjoyment |
| | 3. How Rocks are Formed: By Pressure | 12. Quiz 3 |
| | 4. Experiment: Bubbling Grains of Rock | 13. Special Project* |
| | 5. Quiz 1 | 14. Review Game |
| | 6. Rocks are Changed by Wind and Water | 15. Test |
| | 7. Rocks are Changed by Heat and Plants | 16. Alternate Test* |
| | 8. Quiz 2 | 17. Reference |
| | 9. Rocks are Used for Building | |

| Science 300 | Unit 9: Heat Energy | |
|---|---|---|
| | **Assignments** | |
| | 1. Heat Energy (Part 1) | 10. Experiment: Changing Liquid to Gas |
| | 2. Experiment: Feeling Friction | 11. Quiz 2 |
| | 3. Experiment: Oxygen and Fire | 12. Heat Energy Affects Our Lives |
| | 4. Heat Energy (Part 2) | 13. Quiz 3 |
| | 5. Experiment: Static Electricity* | 14. Special Project* |
| | 6. Quiz 1 | 15. Review Game |
| | 7. What Heat Energy Is and Does | 16. Test |
| | 8. Experiment: Water Molecules | 17. Alternate Test* |
| | 9. Movement of Heat Energy | 18. Reference |

| Science 300 | Unit 10: Review | |
|---|---|---|
| | **Assignments** | |
| | 1. Physical Change: Change in Man | 10. Experiment: How Sound Travels |
| | 2. Physical Change: Change in Plants | 11. Experiment: Temperature Comparisons |
| | 3. Physical Change: Change in Animals | 12. Quiz 3 |
| | 4. Quiz 1 | 13. Special Project* |
| | 5. The Earth | 14. Review Game |
| | 6. Seasons and Times | 15. Test |
| | 7. Project: Rock Collection | 16. Alternate Test* |
| | 8. Quiz 2 | 17. Reference |
| | 9. Sounds and Energy | |

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# Science 400

Science 400 is a basic elementary course intended to expose students to the designs and patterns in God's physical universe. This course builds on concepts taught in Science 300, providing a broad survey of the major areas of science. Some of the areas covered in Science 400 include the study of plants and animals, ecology, work and simple machines, electricity and magnetism, properties of water and matter, weather, solar system, and the different spheres of earth.

The course seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on children's natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Collectively, this should help students develop and build on their subject-matter knowledge base.

**Upon completion of the course, students should be able to do the following:**

- Use their main senses for observation of the world around them.
- Describe different uses for plants.
- Discuss the differences among the ways that different animals act.
- Understand how people are responsible for preserving and conserving nature.
- Explain the different types of simple machines.
- Describe an electrical current and how it relates to magnetism.
- Demonstrate an understanding of the different properties of water.
- Observe weather and how it affects people.
- Describe our solar system.
- Discuss the three different spheres of the earth and how they interact.
- Explain the changes in seasons and time.

Science 400

**Unit 1: Plants**

**Assignments**

1. Course Overview
2. Plant Life
3. Plants Used As Food and Shelter
4. Project: Things Made of Wood*
5. Report: Read and Write*
6. Plants Used For Enjoyment and Symbols
7. Report: Flowers as State Symbols
8. Report: Flower Paragraph*
9. Quiz 1
10. Parts of Plants
11. How Plant Parts Function
12. Experiment: Celery
13. How Plant Parts Function (Part 2)
14. How Plant Parts Function (Part 3)
15. Quiz 2
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

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Science 400

## Unit 2: Animals

**Assignments**

1. How Animals are Structured
2. Whales
3. Report: Types of Whales
4. Birds
5. Reptiles and Fish
6. Report: Writing about Fish*
7. Project: Observing Fish*
8. How Animals Eat and Digest Food
9. How Animals Breathe
10. Quiz 1
11. How Animals Act: Mammals
12. How Animals Act: Salmon
13. How Animals Act: Birds
14. How Animals Act: Insects
15. Report: Honeybee Habits
16. Quiz 2
17. Animal Instinct
18. Man Protects Animals
19. Project: Animal Scrapbook*
20. Quiz 3
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

Science 400

## Unit 3: Man and His Environment

**Assignments**

1. Ecology
2. Project: Your Environment*
3. Resources
4. Food Chains
5. Ecosystem Populations
6. Project: Populations*
7. Balance of Nature
8. Project: Make a Pyramid*
9. Report: Rabbits in Australia*
10. Quiz 1
11. Water Communities
12. Experiment: Still Water Life*
13. Land Communities
14. Project: Human Communities
15. Report: Read and Write*
16. Project: Terrarium or Diorama*
17. Report: Forest Community*
18. Quiz 2
19. Misuse of the Environment
20. Project: Ask an Expert*
21. Report: Endangered Species*
22. Resource Conservation
23. Report: How to Save Energy*
24. Environmental Preservation
25. Report: Special Treasures*
26. Quiz 3
27. Special Project*
28. Review Game
29. Test
30. Alternate Test*
31. Reference

Science 400

## Unit 4: Machines

**Assignments**

1. Machines Are Needed: Work
2. Report: Galileo*
3. Experiment: Gravity*
4. Machines Are Needed: Energy
5. Quiz 1
6. Simple Machines: Lever
7. Experiment: Hammer and Nail
8. Experiment: Seesaw*
9. Simple Machines: Inclined Plane
10. Experiment: Inclined Plane*
11. Simple Machines: Wedge and Screw
12. Experiment: Screw and Nail*
13. Simple Machines: Wheel and Axle
14. Simple Machines: Pulleys
15. Experiment: Pulleys*
16. Quiz 2
17. Compound Machines
18. Quiz 3
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Science 400

## Unit 5: Electricity and Magnetism

**Assignments**

1. Electricity
2. Report: Thomas Edison
3. Experiment: Static Electricity
4. Currents and Circuits
5. Project: Conductors
13. Experiment: Make a Magnet
14. Experiment: Magnet Poles*
15. Experiment: Testing a Magnet*
16. Experiment: Generate Electricity*
17. Experiment: Electromagnet*

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| | | |
|---|---|---|
| | 6. Experiment: Wet Cell* | 18. Report: Explorers* |
| | 7. Project: Electric Objects* | 19. Quiz 2 |
| | 8. Electrical Use and Safety | 20. Special Project* |
| | 9. Project: Fuses in Use | 21. Review Game |
| | 10. Quiz 1 | 22. Test |
| | 11. Magnetism | 23. Alternate Test* |
| | 12. Experiment: Use a Magnet | 24. Reference |

Science 400

**Unit 6: Water and Matter**

**Assignments**

| | |
|---|---|
| 1. Water | 11. Matter |
| 2. Experiment: Ice | 12. Molecules and Atoms |
| 3. Experiment: Ice Volume* | 13. Experiment: Molecules* |
| 4. Water as a Liquid | 14. Elements |
| 5. Experiment: Potato* | 15. Quiz 2 |
| 6. Water as a Gas | 16. Special Project* |
| 7. Experiment: Forming Dew* | 17. Review Game |
| 8. Water as a Solvent | 18. Test |
| 9. Experiment: Solubility | 19. Alternate Test* |
| 10. Quiz 1 | 20. Reference |

Science 400

**Unit 7: Weather**

**Assignments**

| | |
|---|---|
| 1. The Atmosphere | 11. Quiz 2 |
| 2. Experiment: Air and Space* | 12. Prediction of Weather |
| 3. Temperature | 13. Project: Thermometers* |
| 4. Experiment: Temperature | 14. Quiz 3 |
| 5. Air Pressure | 15. Special Project* |
| 6. Experiment: Pressure | 16. Review Game |
| 7. Quiz 1 | 17. Test |
| 8. Forces of Weather | 18. Alternate Test* |
| 9. Sand and Dust Storms | 19. Reference |
| 10. Report: Hurricanes* | |

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Science 400

## Unit 8: Our Solar System and the Universe

**Assignments**

1. A Trip Through Space
2. Our Big Universe
3. Report: Astronomy Instruments
4. Essay: Astronomy*
5. Quiz 1
6. The Sun
7. Essay: Ancient People*
8. Movements
9. Report: Isaac Newton*
10. Heavenly Bodies Around the Sun
11. Our Moon
12. Experiment: Moon Phases
13. Quiz 2
14. The Stars and Space
15. Essay: Astrology*
16. The Milky Way and Other Galaxies
17. Quiz 3
18. Special Project*
19. Review Game
20. Test
21. Alternate Test*
22. Reference

Science 400

## Unit 9: The Planet Earth

**Assignments**

1. The Air (Atmosphere)
2. Experiment: Condensation
3. Gases in the Atmosphere
4. Quiz 1
5. The Water (Hydrosphere)
6. Essay: Psalm 147*
7. Salt Water
8. Experiment: Currents*
9. Quiz 2
10. The Land (Lithosphere)
11. Experiment: Shadows
12. Earth's Land Formations
13. Earth's Rotation and Revolution
14. Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

Science 400

## Unit 10: Understanding God's Wonderful Creation

**Assignments**

1. Review: The Solar System
2. Review: The Earth
3. Quiz 1
4. Review: Matter
5. Review: Water
6. Review: Weather
7. Project: Weather Scrapbook*
8. Quiz 2
9. Review: Electricity and Magnetism
10. Project: Thomas Alva Edison*
11. Review: Machines
12. Quiz 3
13. Review: Ecology
14. Review: Conservation
15. Report: Passenger Pigeon*
16. Quiz 4
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

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# Science 500

Science 500 is a basic elementary course intended to expose students to the designs and patterns in God's physical universe. This course expands on the Science 300 and Science 400 courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 500 include the study of cells, plants and animals, ecology, energy, geology, properties of matter, and the natural cycles of life.

The course seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Students at this level should begin to understand interrelationships between organisms, recognize patterns in ecosystems, and become aware of the cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

**Upon completion of the course, students should be able to do the following:**

- Use their main senses for observation of the world around them.
- Demonstrate an understanding of cells and their structure, both plant and animal.
- Differentiate between plants, animals, fungi, protozoa, and algae.
- Explain interactions between different life forms.
- Discuss different energy transformations.
- Describe geology and how it relates to the Flood.
- Demonstrate an understanding of fossil types and the formation of fossils.
- Understand natural cycles.

Science 500

**Unit 1: Cells**

**Assignments**

1. Course Overview
2. The Basic Unit of Living Things: A Cell
3. Viewing Cells
4. Experiment: Skin Cells
5. Quiz 1
6. The Life and Activity of Cells
7. Plants and Unicellular Organisms
8. Experiment: Onion Cells
9. Experiment: Pond Water Examination
10. Experiment: Cheek Cells
11. Experiment: Blood Cells
12. Tissue
13. Quiz 2
14. Cells: Energy and Growth of Cells
15. Cell Reproduction
16. Quiz 3
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

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Science 500

## Unit 2: Plants: Life Cycles

**Assignments**

1. Classifying Living Things and Plants
2. Parts of Plants
3. Quiz 1
4. Seed Bearing Plants
5. Flowering Plants
6. Experiment: Flower Dissection
7. Fertilization
8. Experiment: Seed Dissection
9. Cone-Bearing Plants
10. Project: Examining Cones
11. Project: Seed Hunt*
12. Quiz 2
13. Spore Bearing Plants and Fungi
14. Fern Plants
15. Report: Walking Fern*
16. Fungi
17. Experiment: Mold
18. Quiz 3
19. One-celled Living Things
20. Quiz 4
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

Science 500

## Unit 3: Animals: Life Cycles

**Assignments**

1. Invertebrates: Life Cycles
2. One-celled Animal-like Protists
3. Report: Protozoa*
4. Egg-Laying Invertebrates
5. Experiment: Mealworm*
6. Report: The Spider*
7. Report: Insect Study*
8. Worms and Mollusks
9. Quiz 1
10. Vertebrates: Life Cycles
11. Egg-Laying Vertebrates
12. Egg-Laying Vertebrates (Part 2)
13. Egg-Laying Vertebrates (Part 3)
14. Experiment: Chicken Egg*
15. Live-Bearing Vertebrates
16. Report: Mammals*
17. Essay: God and Animals*
18. Quiz 2
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Science 500

## Unit 4: Balance in Nature

**Assignments**

1. Balance of Nature: Physical Environment
2. Project: Cycles*
3. Ecosystems
4. Project: Terrarium Project
5. Quiz 1
6. The Prairie: Web of Life
7. Project: Prairie Land*
8. The Prairie: Web of Life (Part 2)
9. Report: Prairie Birds*
10. The Prairie: Food Chains
11. Project: Prairie Food Chain*
12. Project: Special Environments*
13. Quiz 2
14. Humans and the Web of Life
15. Humans and the Web of Life (Part 2)
16. Quiz 3
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

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Science 500

## Unit 5: Transformation of Energy

**Assignments**

1. Energy
2. Work
3. Quiz 1
4. Work From Energy
5. Experiment: Heat From the Sun*
6. Forms of Energy
7. Experiment: Heat from Bending*
8. Experiment: Heat Energy from a Chemical Reaction*
9. Chemical Energy
10. Quiz 2
11. Energy in the Future
12. Future Sources of Energy
13. Experiment: Solar Energy for Heat
14. Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

Science 500

## Unit 6: Records in the Rock: the Flood

**Assignments**

1. Before the Flood: The Bible Record
2. Before the Flood: The Physical Record
3. Quiz 1
4. The Flood: The Bible Record
5. Project: Interview with Noah*
6. The Flood: The Physical Record
7. Report: Ancient Flood Stories*
8. Quiz 2
9. After the Flood: The Bible Record
10. After the Flood: The Physical Record
11. Quiz 3
12. Special Project*
13. Review Game
14. Test
15. Alternate Test*
16. Reference

Science 500

## Unit 7: Records in the Rock: Fossils

**Assignments**

1. Fossil Formation
2. Project: Mold Fossil Copy
3. Project: Cast Fossil Copy*
4. Fossil Formation Part 2
5. Fossil Locations
6. Quiz 1
7. Reading Fossils: Identification
8. Reading Fossils: Earth's Age
9. Project: Plant and Animal Fossils*
10. Reading Fossils: Difficulties
11. Project: Fossil Clues*
12. Reading Fossils: Reconstruction
13. Project: Fill in the Skeleton*
14. Project: Be Creative*
15. Quiz 2
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

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Science 500

## Unit 8: Records In Rock: Geology

**Assignments**

1. Features of the Earth
2. Project: Compare an Orange and the Earth
3. Layers of the Earth
4. Rocks on the Earth's Surface
5. Project: Examine a Mineral*
6. Kinds of Rocks
7. Report: Rocks*
8. Project: Rock Hunt*
9. Quiz 1
10. Changes in the Earth: Surface Change
11. Experiment: Erosion*
11. Causes of Surface Change
12. Earthquakes and Volcanoes
13. Project: Volcano Summary*
14. Results of Forces
15. Quiz 2
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

Science 500

## Unit 9: Cycles in Nature

**Assignments**

1. Properties of Matter
2. Properties of Matter (Part 2)
3. Experiment: Volume
4. Changes in Matter
5. Experiment: Water Container*
6. Experiment: Types of Changes*
7. Conservation of Matter
8. Experiment: Conservation of Matter*
9. Structure of Matter
10. Quiz 1
11. The Four Seasons
12. The Cause of Seasons
13. Project: Globe*
14. Comets
15. Report: Famous Comets*
16. Life
17. Experiment: Water Evaporation*
18. Quiz 2
19. God's Order
20. Quiz 3
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

Science 500

## Unit 10: Look Ahead

**Assignments**

1. Living Things: Plants, Fungi, Protists, and Monerans
2. Living Things: Animals and Animal-Like Protists
3. Living Things: Balance of Nature
4. Quiz 1
5. The Earth: Records of Life
6. The Earth: Fossils
7. The Earth: Records in Rock
8. Quiz 2
9. Order in Creation
10. Energy and Work
11. Matter
12. Quiz 3
13. Special Project*
14. Review Game
15. Test
16. Alternate Test*
17. Reference

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# Science 600

Science 600 is a basic intermediate course intended to expose students to the designs and patterns in God's physical universe. This course expands on the Science 300-500 elementary courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 600 include the study of plant and animal systems, plant and animal behavior, genetics, the structure of matter, light and sound, kinematics, planet Earth, the solar system, and astronomy.

The course seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on children's natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Students at this level should begin to understand interrelationships between organisms, recognize patterns in ecosystems, and become aware of the cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

**Upon completion of the course, students should be able to do the following:**

- Use their main senses for observation of the world around them.
- Describe the different systems in plants and animals.
- Explain the different ways plants and animals behave.
- Explain how Mendel used observation to develop his theories.
- Demonstrate a basic knowledge of chemical structure and the periodic table.
- Discuss light and sound waves.
- Describe motion as it relates to force and work.
- Explain how time and season are related to the rotation and revolution of the earth.
- Identify common stars and constellations.

Science 600

**Unit 1: Plant Systems**

**Assignments**

1. Course Overview
2. Photosynthesis: Location
3. Experiment: Anacharis Photosynthesis
4. Photosynthesis: The Leaf Factory
5. Experiment: Seeds
6. Photosynthesis: Products
7. Experiment: Digestive Enzymes
8. Photosynthesis: Raw Materials
9. Investigation: Plant Growth
10. Quiz 1
11. Transport System: Roots
12. Experiment: Root Observation
13. Transport System: Stems and Leaves
14. Experiment: Celery
15. Quiz 2
16. Regulatory System
17. Experiment: Growing Roots*
18. Quiz 3
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

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Science 600

## Unit 2: Body Systems

**Assignments**

1. Digestive System: Structure
2. Digestive System: Function
3. Experiment: Digestion
4. Digestive System: Function (Part 2)
5. Experiment: Oil and Soap
6. Experiment: Passing Food
7. Quiz 1
8. Circulatory System
9. Experiment: Pulse Rate
10. Project: Heart*
11. Excretory System
12. Experiment: Carbon Dioxide
13. Project: Lungs*
14. Experiment: Evaporation and Cooling
15. Quiz 2
16. Muscular System
17. Skeletal System
18. Quiz: Bone Quiz*
19. Quiz 3
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

Science 600

## Unit 3: Plants and Animal Behavior

**Assignments**

1. The Nervous System
2. Report: The Eye
3. Report: The Ear
4. Nerves and Spinal Column
5. Response and Intelligence
6. Report: Instincts*
7. Experiment: Response*
8. Experiment: Trial and Error*
9. Quiz 1
10. Plant Behavior
11. Investigation: Tropisms
12. Quiz 2
13. Terrestrial Biomes
14. Aquatic Biomes
15. Food Chains
16. Nature: Cycles and Balance
17. Report: Man's Influence*
18. Quiz 3
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Science 600

## Unit 4: Molecular Genetics

**Assignments**

1. Reproduction
2. Project: Flower Structure*
3. Male-Female Reproduction
4. Project: Lima Bean Embryo*
5. Quiz 1
6. Inheritance
7. Project: Mendel's Discovery*
8. Taste, Dominance, and Multiple Genes
9. Experiment: Taste Gene Lab
10. Project: Traits*
11. Quiz 2
12. DNA
13. Experiment: Albinos*
14. Report: Genetics*
15. Mutation
16. The Use of Mutations
17. Project: Pea Pod*
18. Temperature Influence on Coloration
19. Quiz 3
20. Special Project*
21. Review Game
22. Test
23. Alternate Test*
24. Reference

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Science 600

## Unit 5: Chemical Structure and Change

**Assignments**

1. Chemical Structure
2. Experiment: Solid, Liquid, Gas
3. Chemical Elements and Atoms
4. Molecules and Compounds
5. Experiment: Copper Iodide
6. Experiment: Calcium Carbonate
7. Quiz 1
8. Periodic Table
9. Project: Water Molecule Model
10. Atomic Mass
11. Project: Atomic Number*
12. Arrangement of the Periodic Table
13. Project: Use the Periodic Table
14. Quiz 2
15. Chemical Change
16. Project: Chart and Diagram*
17. Report: Chemical Discoveries*
18. Acids and Bases
19. Experiment: Acid or Base?
20. Project: From Memory*
21. Project: Cause and Effect*
22. Project: Chemical Symbols*
23. Project: Discussion*
24. Quiz 3
25. Special Project*
26. Review Game
27. Test
28. Alternate Test*
29. Reference

Science 600

## Unit 6: Light and Sound

**Assignments**

1. Waves: Sound
2. Experiment: Test Tube Tunes
3. Project: Sound Vibrations
4. Light Waves
5. Project: Light Waves
6. Project: Refracted Light
7. Quiz 1
8. The Spectrum
9. Project: Color Spectrum
10. Project: Create a Rainbow*
11. Quiz 2
12. Colors
13. Project: Color Wheel
14. Experiment: Subtractive Colors
15. Experiment: Mixing Colored Lights*
16. Mixing Colors
17. Experiment: Mixing Colorants*
18. Quiz 3
19. Special Project*
20. Review Game
21. Test
22. Alternate Test*
23. Reference

Science 600

## Unit 7: Motion and Its Measurement

**Assignments**

1. Motion, Force, and Work
2. Measurement of Work
3. Experiment: Forces of Lifting and Pulling
4. Project: Unscramble Activity*
5. Quiz 1
6. Power and Newton's Laws of Motion
7. Report: Horsepower and Watts*
8. Experiment: Your Horsepower*
9. Newton's Laws of Motion and Gravitation
10. Experiment: The Law of Inertia
11. Quiz 2
12. Change in Motion
13. Quiz 3
14. Special Project*
15. Review Game
16. Test
17. Alternate Test*
18. Reference

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Science 600

## Unit 8: Spaceship Earth

**Assignments**

1. Earth's Motion
2. Experiment: Balloon Globe*
3. Earth's Rotation
4. Time
5. Experiment: Observing Shadows
6. Earth's Orbit
7. Quiz 1
8. Eclipses
9. Project: Fact or Opinion*
10. Experiment: Eclipses
11. Quiz 2
12. The Solar System
13. Report: Planets*
14. Asteroids, Comets, and Meteoroids
15. Quiz 3
16. Special Project*
17. Review Game
18. Test
19. Alternate Test*
20. Reference

Science 600

## Unit 9: Astronomy and the Stars

**Assignments**

1. Astronomy
2. Report: Great Astronomers*
3. Astronomy Today
4. Quiz 1
5. Stars
6. Elements and Spectra
7. Project: The Spectroscope*
8. Experiment: Spectrography*
9. Experiment: Oil on Water*
10. Magnitude and Luminosity
11. Light Years and Astronomical Units
12. Quiz 2
13. Constellations and Major Stars
14. Project: Betelgeuse and Aldebaran
15. Project: Constellations*
16. Quiz 3
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

Science 600

## Unit 10: The Earth and the Universe

**Assignments**

1. The Photosynthesis System
2. The Transport System of Plants
3. The Digestive System
4. The Excretory System
5. Skeletal and Muscular Systems
6. The Nervous System
7. Genetics and Reproduction
8. Ecological Systems
9. Report: Biomes*
10. Quiz 1
11. Physics and Chemistry: Matter
12. Physics and Chemistry: Light
13. Physics and Chemistry: Sound
14. Physics and Chemistry: Motion
15. Physics and Chemistry: Machines
16. Quiz 2
17. Earth's Rotation
18. Earth's Revolution
19. Our Solar System
20. Quiz 3
21. Special Project*
22. Review Game
23. Test
24. Alternate Test*
25. Reference

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# General Science I

General Science I is a basic intermediate course intended to expose students to the designs and patterns in God's physical universe. This course expands on the Science 600 course, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in General Science I include the scientific method, overview of the four major areas of science, mathematics in science, astronomy, the atmosphere, natural cycles, weather and climate, human anatomy and physiology, and careers in science.

The course seeks to develop the student's ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

- **What is Science:** Students will explore the tools and methods of a scientist, the four major areas of science, and look at several careers in science.
- **Perceiving Things:** Students will learn about the metric system, different types of measurement and methods of presenting data.
- **Earth in Space (Part 1):** Students will learn about the constellations and the history of astronomy.
- **Earth is Space (Part 2):** Students will learn the components of the solar system and their movements.
- **The Atmosphere:** Students will learn about the structure of the atmosphere, and the cycles occurring within it.
- **Weather:** Students will learn about the causes of weather, how it is measured and forecasted.
- **Climate:** Students will explore the types of climates around the world and the factors that affect climate.
- **The Human Anatomy (Part 1):** Students will explore the building blocks of the human body and several of its systems.
- **The Human Anatomy (Part 2):** Students will learn about other systems in the human body.
- **Working in Science:** Student will explore different types of scientists and the work they do.

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General Science I

## Unit 1: What is Science?

**Assignments**

1. Course Overview
2. Tools of a Scientist 1
3. Tools of a Scientist 2
4. Quiz 1: Tools of a Scientist
5. Methods of a Scientist 1
6. Methods of a Scientist 2
7. Quiz 2: Methods of a Scientist
8. The Scientist
9. The Four Major Areas of Science
10. Quiz 3: Work of a Scientist
11. Careers in Science
12. Quiz 4: Careers in Science
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

General Science I

## Unit 2: Perceiving Things

**Assignments**

1. Measurement: The Metric System
2. Measurement: Size and Distance
3. Measurement: Area
4. Measurement: Volume
5. Measurement: Mass and Density
6. Quiz 1: Measurement
7. Graphs: Uses, Bar, and Line
8. Graphs: Pictographs and Pie Charts
9. Experiment: Making Graphs
10. Quiz 2: Graphing Data
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

General Science I

## Unit 3: Earth in Space (1)

**Assignments**

1. Stargazing
2. Star Charts
3. Experiment: Constellations
4. Quiz 1: Stargazing
5. Astronomy
6. Experiment: Astrolabe*
7. Quiz 2: Astronomy
8. Astronomers
9. Essay: Galileo*
10. Quiz 3: Astronomers
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

General Science I

## Unit 4: Earth in Space (2)

**Assignments**

1. The Sun's Energy
2. Quiz 1: The Sun's Energy
3. The Sun's Family
4. Outer Planets
5. Asteroids and Comets
6. Quiz 2: The Sun's Family
7. The Moon
8. Quiz 3: The Moon
9. Eclipses
10. Quiz 4: Eclipses
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

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General Science I

## Unit 4: Earth in Space (2)

**Assignments**

1. The Sun's Energy
2. Quiz 1: The Sun's Energy
3. The Sun's Family
4. Outer Planets
5. Asteroids and Comets
6. Quiz 2: The Sun's Family
7. The Moon
8. Quiz 3: The Moon
9. Eclipses
10. Quiz 4: Eclipses
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

General Science I

## Unit 5: The Atmosphere

**Assignments**

1. Structure of the Atmosphere
2. Solar Effects
3. Experiment: The Greenhouse
4. Quiz 1: Structure of the Atmosphere
5. Water Cycle
6. Other Natural Cycles
7. Quiz 2: Natural Cycles
8. Pollution
9. Quiz 3: Pollution
10. Special Project*
11. Test
12. Alternate Test*
13. Reference

General Science I

## Unit 6: Weather

**Assignments**

1. Elements of Weather
2. Wind
3. Pressure
4. Experiment: Dew Point
5. Quiz 1: Elements of Weather
6. Weather in Motion
7. Fronts
8. Quiz 2: Weather in Motion
9. Weather Forecasting
10. Quiz 3: Weather Forecasting
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

General Science I

## Unit 7: Climate

**Assignments**

1. Climate: General
2. Quiz 1: Climate: General
3. Climate: Worldwide
4. Quiz 2: Climate: Worldwide
5. Regional Climate Types
6. Distribution of Climate Types in the World
7. Quiz 3: Regional Climate Types and Distribution of Climate Types
8. Special Project*
9. Test
10. Alternate Test*
11. Reference

General Science I

## Unit 8: The Human Anatomy (Part 1)

**Assignments**

1. Human Building Blocks
2. Experiment: Cheek Cell
3. Quiz 1: Human Building Blocks
4. Human Framework
5. Skin
6. Quiz 2: Human Framework
7. Human Nervous System
8. Project: Human Brain*
9. Senses
10. Quiz 3: Human Nervous System and Senses
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

General Science I

## Unit 9: The Human Anatomy (Part 2)

**Assignments**

1. The Respiratory System
2. Quiz 1: The Respiratory System
3. The Circulatory System
4. Experiment: Heart Rate
5. Quiz 2: The Circulatory System
8. The Excretory System
9. Quiz 4: The Excretory System
10. The Endocrine System
11. Quiz 5: The Endocrine System
12. Special Project*

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| | | |
|---|---|---|
| | 6. The Digestive System--Part 1 | 13. Test |
| | 7. The Digestive System--Part 2 | 14. Alternate Test* |
| | 8. Quiz 3: The Digestive System | 16. Reference |

General Science I

**Unit 10: Working in Science**

**Assignments**

| | |
|---|---|
| 1. Scientists at Work | 12. The Medical Scientist at Work |
| 2. Experiment: Red Celery | 13. Nervous and Endocrine Systems |
| 3. Famous Scientists | 14. Circulatory and Respiration Systems |
| 4. Quiz 1: Scientists at Work | 15. Digestive and Excretory Systems |
| 5. The Astronomer at Work | 16. Quiz 4: The Medical Scientist at Work and Body Systems |
| 6. Planets | 17. Special Project* |
| 7. Quiz 2: The Astronomer at Work | 18. Test |
| 8. The Meteorologist at Work | 19. Alternate Test* |
| 9. Studying the Weather | 20. Reference |
| 10. Studying Climates | |
| 11. Quiz 3: The Meteorologist at Work | |

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# General Science II

General Science II is a basic intermediate course intended to expose students to the designs and patterns in God's physical universe. This course expands on the Science 600 and General Science I courses, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in General Science II include the history of science, structure and properties of matter, health and nutrition, types of energy, electricity and magnetism, work, energy, forces, simple machines, balance in nature, natural cycles and resources.

The course seeks to develop the student's ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms and the environment, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

- **Science and Society:** Students will define science, describe its history, and use their main senses for observation of the world around them.
- **Structure of Matter (Part 1):** Students will describe elements and compounds in the terms of atoms and molecules.
- **Structure of Matter (Part 2):** Students will demonstrate a knowledge of the different changes in matter.
- **Health and Nutrition:** Students will learn how to develop good health habits.
- **Energy (Part 1):** Students will explain and give examples of the different types of energy.
- **Energy (Part 2):** Students will define magnetism and electricity and describe their relationship.
- **Machines (Part 1):** Students will define force and work, and evaluate the relationship that exists between work and energy.
- **Machines (Part 2):** Students will describe the different types of simple machines.
- **Balance in Nature:** Students will discuss the balance in nature regarding the different cycles.
- **Science and Technology:** Student will review the other units and explore careers in science and technology.

General Science II

**Unit 1: Science and Society**

**Assignments**

1. Course Overview
2. Science Today
3. Post-Renaissance Science
4. Essay: Mendel
5. Quiz 1
6. Today's Scientist
7. Quiz 2
8. Science and Technology
9. Essay: Da Vinci*
10. Limitations
11. Quiz 3
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

General Science II

**Unit 2: Structure of Matter (Part 1)**

**Assignments**

1. Properties of Matter (1)
2. Experiment: Determining Volume
3. Experiment: Metric Measurements*
10. Compounds
11. Mixtures
12. Experiment: Mixtures

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| | | |
|---|---|---|
| | 4. Properties of Matter (2) | 13. Quiz 3 |
| | 5. Quiz 1 | 14. Special Project* |
| | 6. Atoms and Molecules | 15. Test |
| | 7. Molecules | 16. Alternate Test* |
| | 8. Quiz 2 | 17. Reference |
| | 9. Elements | |

| General Science II | | |
|---|---|---|
| **Unit 3: Structure of Matter (Part 2)** | | |
| **Assignments** | | |
| | 1. Matter and Change | 10. Bases |
| | 2. Experiment: Phase Changes | 11. Experiment: Cabbage |
| | 3. Solutions | 12. Quiz 3 |
| | 4. Chemical Changes | 13. Salts |
| | 5. Experiment: Forms of Change | 14. Quiz 4 |
| | 6. Nuclear Changes | 15. Special Project* |
| | 7. Quiz 1 | 16. Test |
| | 8. Acids | 17. Alternate Test* |
| | 9. Quiz 2 | 18. Reference |

| General Science II | | |
|---|---|---|
| **Unit 4: Health and Nutrition** | | |
| **Assignments** | | |
| | 1. Foods and Digestion | 8. Quiz 3 |
| | 2. Quiz 1 | 9. Hygiene |
| | 3. Diet | 10. Quiz 4 |
| | 4. Experiment: Food Record | 11. Special Project* |
| | 5. Quiz 2 | 12. Test |
| | 6. Nutritional Diseases | 13. Alternate Test* |
| | 7. Essay: Nutrition | 14. Reference |

| General Science II | | |
|---|---|---|
| **Unit 5: Energy (Part 1)** | | |
| **Assignments** | | |
| | 1. Mechanical Energy | 8. Energy Conversion and Entropy |
| | 2. Potential Energy | 9. Essay: Entropy* |
| | 3. Quiz 1 | 10. Quiz 3 |
| | 4. Other Forms of Energy | 11. Special Project* |
| | 5. Chemical Energy | 12. Test |
| | 6. Atomic Energy | 13. Alternate Test* |
| | 7. Quiz 2 | 14. Reference |

| General Science II | | |
|---|---|---|
| **Unit 6: Energy (Part 2)** | | |
| **Assignments** | | |
| | 1. Magnetism | 8. Energy for the Future |
| | 2. Experiment: Magnetism | 9. Experiment: Hot Dog Cooker* |
| | 3. Electricity and Magnetism | 10. Quiz 3 |
| | 4. Quiz 1 | 11. Special Project* |
| | 5. Electricity | 12. Test |
| | 6. Electrical Circuits | 13. Alternate Test* |
| | 7. Quiz 2 | 14. Reference |

| General Science Ii | | |
|---|---|---|
| **Unit 7: Machines (Part 1)** | | |
| **Assignments** | | |
| | 1. Distance | 8. Work |
| | 2. Essay: Scientists | 9. Work and Energy |
| | 3. Measuring Distance | 10. Quiz 3 |
| | 4. Quiz 1 | 11. Special Project* |
| | 5. Force | 12. Test |
| | 6. Force Vectors | 13. Alternate Test* |
| | 7. Quiz 2 | 14. Reference |

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General Science II

## Unit 8: Machines (Part 2)

**Assignments**

1. Friction
2. Types of Friction
3. Experiment: Friction Investigation
4. Quiz 1
5. Levers
6. Quiz 2
7. Wheel and Axle, Pulleys, and Gears
8. Experiment: Pencil Sharpener
9. Quiz 3
10. Inclined Plane, Wedge, and Screw
11. Quiz 4
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

General Science II

## Unit 9: Balance in Nature

**Assignments**

1. Photosynthesis and Food
2. Food
3. Quiz 1
4. Natural Cycles
5. The Water Cycle
6. Quiz 2
7. Balance and Disruption
8. Resources
9. Quiz 3
10. Special Project*
11. Test
12. Alternate Test*
13. Reference

General Science II

## Unit 10: Science and Technology

**Assignments**

1. Basic Science
2. Characteristics of Matter
3. Matter in Change
4. Quiz 1
5. Energy
6. Chemical and Atomic Energy
7. Magnetism and Electricity
8. Machines at Work
9. Quiz 2
10. Life Science
11. Quiz 3
12. Vocations in Science and Technology
13. Quiz 4
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

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# Integrated Physics and Chemistry

Integrated Physics and Chemistry is a physical science course designed for high school students needing an entry-level science course covering basic concepts found in chemistry and physics. Topics included in this course are matter, motion and forces, work and energy, electricity and magnetism, and waves.
Throughout the course, students will have opportunities to observe simulations, investigate ideas, and solve problems, both online and away from the computer.

- **Explorations in Physical Science:** Students will employ the scientific method, measurements and calculations to conduct experiments.
- **The Structure of Matter:** Students will explore the structure of matter, including atomic structure, elements, compounds, and mixtures.
- **Matter and Change:** Students will explore the chemical changes that matter can go through.
- **States of Matter:** Students will explore the states of matter and the process that matter goes through for its state to change.
- **Motion and Forces:** Students will describe the motion of objects, Newton's laws that predict that motion, and how the motion is measured.
- **Work and Energy:** Students will explore various types of energy, simple machines, and the work that they can do.
- **Heat Flow:** Students will describe heat, heat flow, and the laws of thermodynamics, as well as explore uses of heat flow.
- **Electricity and Magnetism:** Students will explore the relationship between electricity and magnetism.
- **Waves:** Students will explore the properties and characteristics of waves.
- **Chemistry and Physics in Our World:** Students will discuss how chemistry and physics are at work in our daily lives, and explore basic astronomical principles.

Integrated Physics and Chemistry

**Unit 1: Explorations in Physical Science**

**Assignments**

1. Course Overview
2. What is Science?
3. The Scientific Method
4. Experiment: Making Observations
5. Quiz 1: Nature of Science
6. The Metric System
7. Scales
8. Volume
9. Experiment: Determining Volume
10. Mass and Density
11. Experiment: Determining Density*
12. Experiment: Density Column
13. Quiz 2: Measuring Matter
14. Special Project*
15. Review
16. Test
17. Alternate Test*
18. Glossary and Credits

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Integrated Physics and Chemistry

## Unit 2: The Structure of Matter

**Assignments**

1. The History of Atomic Theory
2. Experiment: Atomic Structure
3. The Atomic Model
4. Quiz 1: Atomic Structure
5. Elements and Their Properties
6. The Periodic Table
7. Trends on the Periodic Table
8. Experiment: Identifying an Unknown
9. Compounds
10. Quiz 2: Pure Substances
11. Mixtures
12. Separating Mixtures
13. Experiment: Separating a Mixture
14. Quiz 3: Mixtures
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

Integrated Physics and Chemistry

## Unit 3: The Structure of Matter

**Assignments**

11. States of Matter
12. Changes of State
13. Experiment: Graphing Changes of State
14. Solutions - The Dissolving Process
15. Acids and Bases
16. Experiment: The Cabbage Indicator
17. Quiz 1: Physical Changes
18. Chemical Bonding
19. Atomic Structure and Bonding
20. Experiment: Chemical Changes
21. Chemical Reactions and Conservation of Mass
22. Types of Chemical Reactions
13. Quiz 2: Chemical Changes
14. Radioactivity
15. Nuclear Reactions
16. Experiment: Half-Life
17. Nuclear Energy
18. Quiz 3: Nuclear Changes
19. Special Project*
20. Review
21. Test
22. Alternate Test*
23. Glossary and Credits

Integrated Physics and Chemistry

## Unit 4: States of Matter

**Assignments**

1. Properties of Solids
2. Experiment: Comparing Hardness and Density of Solids
3. Elasticity and Strength in Solids
4. Electrical Conductivity in Solids
5. Quiz 1: Solids
6. Characteristics of Liquids
7. Experiment: Viscosity
8. Pressure in Liquids
9. Archimedes' Principle and Flotation
10. Liquids and Capillary Action
11. Quiz 2: Liquids
12. General Characteristics of Gases
13. Pressure and Volume in Gases
14. Experiment: Pressure in Gases
15. Temperature and Volume Changes in Gases
16. Quiz 3: Gases
17. Special Project
18. Review
19. Test
20. Alternate Test*
21. Glossary and Credits

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Integrated Physics and Chemistry

## Unit 5: Motion and Forces

**Assignments**

1. Distance and Displacement
2. Speed and Velocity
   Acceleration
3. Motion Graphs
4. Experiment: Motion Graphs
5. Momentum
6. Project: Virtual lab - Conservation of Momentum
7. Quiz 1: Motion
8. Forces
9. Friction
10. Distance and Displacement
11. Newton's Laws
12. Project: Virtual Lab - Newton's Laws
13. Experiment: Propulsion
14. Centripetal Force
15. Quiz 2: Forces
16. Project: Virtual Lab - Circular Motion
17. Special Project*
18. Review
19. Test
20. Alternate Test*
21. Glossary and Credits

IPC

## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

Integrated Physics and Chemistry

## Unit 7: Work and Energy

**Assignments**

1. Forms of Energy
2. Work
3. Mechanical Energy
4. Conservation of Energy
5. Experiment: Potential and Kinetic Energy
6. Power
7. Quiz 1: Work, Energy, and Power
8. Simple Machines; Levers
9. Mechanical Advantage and Efficiency
10. Pulleys; Wheels and Axles
11. Inclined Planes, Wedges, and Screws
12. Project: Virtual Lab - Simple Machines
13. Experiment: Inclined Planes
14. Quiz 2: Simple Machines
15. Project: Virtual Lab - Projectiles
16. Special Project*
17. Review
18. Test
19. Alternate Test*
20. Glossary and Credits

Integrated Physics and Chemistry

## Unit 8: Heat Flow

**Assignments**

1. Thermodynamics and Entropy
2. Specific Heat Capacity
3. Heat Flow
4. Experiment: Insulators
5. Quiz 1: Energy Transfer
6. Heating Systems
7. Experiment: Heat and Expansion
8. Cooling and Refrigeration
9. Heat Engines
10. Quiz 2: Heat Flow and Technology
11. Special Project*
12. Review
13. Test
14. Alternate Test*
15. Glossary and Credits

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Integrated Physics and Chemistry

## Unit 9: Electricity and Magnetism

**Assignments**

1. Electric Charges
2. Static Electricity
3. Experiment: Electrostatic Investigations
4. Electric Current
5. Circuits
6. Electrical Energy and Power
7. Project: Virtual Lab - Circuits
8. Quiz 1: Electricity
9. Magnetism
10. Magnetism and Electricity
11. Experiment: Diverting a Magnetic Field
12. Magnetic Fields in Space
13. Quiz 2: Magnetism
14. Special Project*
15. Review
16. Test
17. Alternate Test*
18. Glossary and Credits

Integrated Physics and Chemistry

## Unit 10: Waves

**Assignments**

1. Waves and Energy Transfer
2. Types of Waves
3. Properties of Waves
4. Experiment: Changing the Speed of a Wave
5. The Behavior of Waves
6. Quiz 1: Wave Characteristics and Properties
7. Sound Vibrations
8. Detecting Sound
9. Project: Virtual Lab - Sound
10. Experiment: Using Vibrations to Produce Sound
11. Doppler Effect
12. Project: Virtual Lab - Doppler Effect
13. Beats, Resonance, and Harmonics
14. Quiz 2: Sound
15. Light and the Electromagnetic Spectrum
16. Properties of Light
17. Reflection and Mirrors
18. Experiment: Law of Reflection
19. Lenses
20. Quiz 3: Light
21. Project: Virtual Lab - Light
22. Special Project*
23. Review
24. Test
25. Alternate Test*
26. Glossary and Credits

Integrated Physics and Chemistry

## Unit 11: Chemistry and Physics in Our World

**Assignments**

1. Carbon Dioxide and Global Warming
2. Experiment: Carbon Dioxide and Water Acidity
3. Fossil Fuels' Effect on the Environment
4. Media and Science
5. Experiment: Water Acidity and the Environment
6. Quiz 1: Environmental Chemistry
7. Atomic Spectra and Moving Stars
8. The Temperature of Stars
9. Kepler and the Motion of the Spheres
10. Experiment: Kepler's Second Law
11. Quiz 2: Space Physics
12. Special Project*
13. Review
14. Test
15. Alternate Test*
16. Glossary and Credits

IPC

## Unit 12: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

IPC

## Unit 13: Final Exam

**Assignments**

1. Final Exam
2. Alternate Exam - Form A*
3. Alternate Exam - Form B*

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# Biology

Biology is intended to expose students to the designs and patterns of living organisms that have been created by God. In preceding years, students should have developed a foundational understanding of life sciences. This biology course will expand upon that knowledge and incorporate more abstract knowledge. The student's understanding should encompass both the micro and macro aspects of life and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, botany, human anatomy and physiology, and ecological principles.

Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

Biology should be preceded or accompanied by an Algebra I course.

- **Taxonomy:** Key to Organization: Students will explore the history of taxonomy, and describe and differentiate between the Artificial and Natural Systems of Taxonomy.
- **Chemistry of Life:** Students will demonstrate a knowledge of molecular structure as it relates to organic compounds.
- **Cells:** Students will describe cells, their different parts, and the function of a cell.
- **Cell Division and Reproduction:** Students will describe the processes of cell division and distinguish between asexual and sexual reproduction.
- **Genetics:** God’s Plan of Inheritance: Students will discuss the importance of Mendel’s work and results that led to the principle of segregation and the principle of dominance and recessiveness.
- **Microbiology:** Students will explore the six-kingdom classification system and identify which kingdoms are composed of prokaryotes and which are made up of eukaryotes.
- **Plants:** Green Factories: Students will describe the make-up of plant cells and the process of photosynthesis and respiration.
- **Human Anatomy and Physiology:** Students will describe the human body systems.
- **Ecology, Pollution, and Energy:** Students will discuss ecological relationships, pollution, and energy sources.
- **Principles and Applications of Biology:** Students will study the principles of life and the applications of biology.

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Biology

## Unit 1: Taxonomy: Key to Organization

**Assignments**

1. Course Overview
2. The History of Taxonomy
3. Quiz 1
4. Binomial Nomenclature
5. Concept of Species
6. Quiz 2
7. Plant and Animal Classification
8. Experiment: Fruit
9. Activity: Keying Plants*
10. Activity: Keying Animals*
11. Search For A System
12. Quiz 3
13. Taxonomy and Origins
14. Models of Origin
15. Project: Research
16. Project: Origins*
17. Quiz 4
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

Biology

## Unit 2: Chemistry of Life

**Assignments**

1. Molecular Basis of Life
2. Quiz 1
3. Properties of Compounds
4. Experiment: Static Electricity
5. Covalent Bonding
6. Experiment: Temperature Control*
7. Importance of Inorganic Compounds
8. Experiment: Water Properties
9. Experiment: Indicators*
10. Quiz 2
11. Chemical Reactions
12. Quiz 3
13. Organic Compounds
14. Carbohydrates
15. Experiment: Starch*
16. Lipids
17. Nucleic Acids
18. Quiz 4
19. Enzymes
20. Experiment: Digestion*
21. Quiz 5
22. Special Project*
23. Test
24. Alternate Test*
25. Reference

Biology

## Unit 3: Cells

**Assignments**

1. The Cell - An Introduction
2. The Microscope
3. Experiment: Introducing the Microscope
4. Experiment: Plant, Animal, and Algae Cells
5. Experiment: Onion Cells*
6. Quiz 1
7. Cell Design
8. Cell Membrane Function
9. Project: Virtual Lab - Osmosis
10. Experiment: Osmosis
11. Organelles
12. Production of Needed Material
13. Quiz 2
14. Cells in Organisms
15. Experiment: Tissues*
16. Quiz 3
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

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Biology

## Unit 4: Cell Division and Reproduction

**Assignments**

1. Cell Division
2. Meiosis
3. Stages of Mitosis
4. Experiment: Mitosis
5. Quiz 1
6. Asexual Reproduction
7. Experiment: Regeneration*
8. Plants
9. Experiment: Bulb Structure*
10. Practical Applications in Plants
11. Experiment: Cuttings*
12. Quiz 2
13. Sexual Reproduction
14. Fertilization
15. Experiment: Sexual Reproduction*
16. Quiz 3
17. Sexual Reproduction in Animals
18. Experiment: Tissue Structure
19. Metamorphosis
20. Quiz 4
21. Sexual Reproduction in Plants
22. Life Cycles of Ferns and Pines
23. Experiment: Ferns and Pines*
24. Experiment: Flowers*
25. Quiz 5
26. Special Project*
27. Test
28. Alternate Test*
29. Reference

Biology

## Unit 5: Genetics: God's Plan of Inheritance

**Assignments**

1. Genetics: God's Plan of Inheritance
2. Probabilities
3. Experiment: Probability
4. Cross Predictions
5. Application of Mendelian Genetics
6. Quiz 1
7. Chromosome Basis of Heredity
8. Chromosomes in Meiosis
9. Sex Chromosomes
10. Quiz 2
11. Molecular Genetics
12. Experiment: Molecular Genetics
13. Quiz 3
14. Human Genetics
15. Factors Studied
16. Inherited Diseases
17. Quiz 4
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

Biology

## Unit 6: Microbiology

**Assignments**

1. Microbial Taxonomy
2. Fungi
3. Experiment: Fungus All Around (Part 1)
4. Experiment: Fungus All Around (Part 2)
5. Quiz 1: Microbial Taxonomy and Fungi
6. Animal-like Protists
7. Experiment: Protozoan Culture
8. Quiz 2: Animal-like Protists
9. Plant-like Protists (Algae)
10. Fungus-like Protists
11. Quiz 3: Plant- and Fungus-like Protists
12. Eubacteria
13. Activity: Pathogenic Bacteria Report
14. Archaea
15. Viruses, Prions, and Viroids
16. Experiment: Algae Observations
17. Quiz 4: Eubacteria, Archaea, Viruses, Prions, and Viroids
18. Special Project*
19. Test: Microbiology
20. Alternate Test*: Microbiology
21. Reference

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Biology

## Unit 7: Plants: Green Factories

**Assignments**

1. How Is a Plant Made?
2. Parts of the Plant Cell
3. Anatomy and Morphology
4. Quiz 1
5. How do Plants Grow?
6. Experiment: Seeds
7. Developmental Anatomy
8. Quiz 2
9. How do Plants Work?
10. Photosynthesis: A Closer Look
11. Experiment: Terrarium*
12. Respiration
13. Quiz 3
14. How do Plants Help People?
15. Quiz 4
16. Special Project*
17. Test
18. Alternate Test*
19. Reference

Biology

## Unit 8: Human Anatomy and Physiology

**Assignments**

1. Digestive System
2. Excretory System
3. Respiratory System
4. Circulatory System
5. The Heart
6. Experiment: Heart Rate
7. Quiz 1
8. Body Framework
9. Muscular System
10. Experiment: Muscle Types*
11. Reproductive System
12. Quiz 2
13. Environmental Interactions
14. Sensory Systems: The Eye
15. Sensory Systems: Hearing, Taste, Touch
16. Endocrine System
17. Immune System and Disease
18. Quiz 3
19. Special Project*
20. Test
21. Alternate Test*
22. Reference

Biology

## Unit 9: Ecology, Pollution, and Energy

**Assignments**

1. Principles of Ecology
2. Environmental Factors
3. Food Chains
4. Quiz 1
5. Ecological Relationships
6. Communities and Habitats
7. Experiment: Habitats
8. Experiment: Biomes*
9. Experiment: Quadrats*
10. Experiment: Inventory*
11. Quiz 2
12. Pollution Affects Ecology
13. Pollution Problems
14. Quiz 3
15. Energy Affects Ecology
16. Essay: Stewardship
17. Quiz 4
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

Biology

## Unit 10: Principles and Applications of Biology

**Assignments**

1. Study of Life
2. Definition of Life
3. Quiz 1
4. Basic Principles of Life
5. Control System
6. Environment of Life
7. Quiz 2
8. Applications of Biology
9. Green Revolution
10. Quiz 3
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

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# Chemistry

Chemistry is intended to expose students to the designs and patterns in the world that God has created. In preceding years, students should have developed an understanding for the macroscopic properties of substances and been introduced to the microstructure of substances. This chemistry course will expand upon that knowledge, further develop the microstructure of substances, and teach the symbolic and mathematical world of formulas, equations, and symbols. The major concepts covered are measurement, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry.

Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

Chemistry should be preceded by an Algebra I course and preceded or accompanied by an Algebra II course

- **Measurement and Analysis:** Students will explore different types of laboratory measurements.
- **Starting the Investigation:** How to Identify Elements, Compounds, and Mixtures: Students will explore the chemical and physical properties of elements, compounds, and mixtures.
- **Exploring Laws for Gases and Conservation of Mass:** Students will explore the kinetic molecular theory, the gas laws and the conservation of mass.
- **The Discovery of Atoms:** Nature's Building Blocks: Students will describe the history and current atomic theory.
- **Molecular Structure:** Students will explore stoichiometry, chemical bonding, and polar properties.
- **Chemical Reactions, Rates and Equilibrium:** Students will observe chemical changes, reaction rates, and factors that affect equilibrium.
- **Equilibrium Systems:** Students will explore solutions and equilibrium systems.
- **Carbon Chemistry: Hydrocarbons:** Students will describe organic compounds and saturated and unsaturated hydrocarbons.
- **Carbon Chemistry: Functional Groups:** Students will explore and describe the functional groups in hydrocarbons.

Chemistry

**Unit 1: Measurement and Analysis**

**Assignments**

1. Course Overview
2. An Introduction to Chemistry and Metric Measurement
3. Report: Metric System*
4. Quiz 1: Metric Conversions
5. Showing Precision in Measurements
6. Using Significant Figures to Show the Reliability of Data
7. Using Scientific Notation with Significant Figures
8. Quiz 2: Precision, Significant Figures, and Scientific Notation
9. Measuring Volume in the Chemistry Laboratory
10. Practice in Measuring Metric Volumes
11. Measuring Mass in the Chemistry Laboratory
12. Project: Measuring Length with Precision*
13. Experiment: Masses
14. Quiz 3: Measurement and Precision
15. Observation and Hypothesizing
16. Learning to Make Useful and Detailed Observations
17. Using Graphs to Analyze Data
18. Project: Tutorial for Making a Scatter Plot Using an Electronic Spreadsheet Program*
19. Quiz 4: Measurement to Graphs
20. Doing Chemistry Your Way: Find Your Future
21. Quiz 5: Chapter Review
22. Special Project*
23. Test
24. Alternate Test*
25. Reference

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Chemistry

## Unit 2: Starting the Investigation: How to Identify Elements, Compounds, and Mixtures

**Assignments**

1. The Basic Ingredient: Chemical Elements
2. Quiz 1: Elements, Chemical and Physical Properties
3. Using Chemical and Physical Properties to Identify Substances
4. Experiment: Observations of a Phase Change
5. Experiment: Salt and Sand*
6. Creating Compounds: Investigating Chemical Changes
7. Quiz 2: Elements to Compounds and Chemical Changes
8. Report: Density*
9. Identifying Different Types of Mixtures
10. Experiment: Using the Tyndall Effect to Identify Colloids
11. Quiz 3: Chapter Review
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

Chemistry

## Unit 3: Exploring Laws for Gases and Conservation of Mass

**Assignments**

1. Nothing Stays Put - The Basis for Diffusion and Pressure
2. Gases and Kinetic Molecular Theory
3. Project: Graphing Kinetic Energy*
4. Quiz 1: Diffusion and Kinetic Molecular Theory
5. Pressure-Volume Relationships in Gases (Boyle's Law)
6. Quiz 2: Diffusion to P-V Relationships in Gases
7. Temperature-Volume Relationships in Gases (Charles' Law)
8. Experiment: Finding Absolute Zero Experimentally
9. Experiment: Charle's Law and a Metal Can*
10. Project: Absolute Zero: Real or Theoretical?*
11. Quiz 3: Diffusion to V-T Relationships in Gases
12. Combined Gas Law
13. Quiz 4: Diffusion to Combined Gas Law
14. Counting Gas Particles: The Measure of the Mole
15. How Big is a Mole? Avogadro's Number
16. Demonstrating Conservation of Mass with Balanced Equations
17. Essay: Biography*
18. Project: Examining the Use of Certain Gases as Propellants*
19. Quiz 5: Chapter Review
20. Special Project*
21. Test
22. Alternate Test*
23. Reference

Chemistry

## Unit 4: The Discovery of Atoms: Nature's Building Blocks

**Assignments**

1. The Golden Years of Chemistry
2. Experiment: Physical Properties of Elements
3. Experiment: Chemical Properties of Some Metals
4. Masters of Classic Atomic Theory
5. Quiz 1: Golden Years to Masters
6. Designing an Organizational Map: The Periodic Table
7. Quiz 2: Golden Years to Periodic Table
8. The Bohr Model Revisited
9. Quiz 3: Golden Years to Bohr Model
10. Charging Up: Ionization of Atoms
11. Quiz 4: Golden Years to Ionization
12. A Closer Look Inside: Nuclear Reactions
13. Report: Fission Reactors
14. Quiz 5: Chapter Review
15. Special Project
16. Test
17. Alternate Test
18. Reference

Chemistry

## Unit 5: Molecular Structure

**Assignments**

1. Chemical Accounting: Stoichiometry
2. Valence Structure
3. Quiz 1: Stoichiometry to Valence
4. Determining Chemical Formulas
5. Electron Availability: Prelude to Bonding
6. Quiz 2: Stoichiometry to Prelude to BondingG
7. Types of Chemical Bonds
8. Charging Up: Ionization of Atoms
9. Quiz 4: Golden Years to Ionization
10. A Closer Look Inside: Nuclear Reactions
11. Report: Fission Reactors
12. Quiz 5: Chapter Review
13. Special Project
14. Test

Chemistry

## Unit 6: Semester Review and Test

**Assignments**

1. Review
2. Exam
3. Alternate Exam—Form A*
4. Alternate Exam—Form B*

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Chemistry

## Unit 7: Chemical Reactions, Rates and Equilibrium

**Assignments**

1. Evidence for Chemical Change
2. Experiment: Observing Chemical Changes
3. Experiment: Chemical Reactions*
4. Experiment: Ammonium Nitrate*
5. Enthalpy of Reaction
6. Using Gibbs Free Energy to Predict Spontaneous Reactions
7. Quiz 1: Chemical Change to Enotropy and Gibbs Free Energy
8. Factors that Affect Reaction Rates: Solution Concentration
9. Experiment: Effect of Solution Concentration on Reaction Rate
10. Factors that Affect Reaction Rate: Temperature, Catalysts, Concentration of Reactants
11. Quiz 2: Chemical Change to Reaction Rate
12. Reaction Equilibria and Equilibrium Constants
13. Activity: Exploring Factors that Affect Equilibrium
14. Conditions Affecting Equilibrium
15. Quiz 3: Chapter Review
16. Special Project*
17. Test
18. Alternate Test*
19. Reference

Chemistry

## Unit 8: Equilibrium Systems

**Assignments**

1. Chemist's Toolbox
2. Solutions
3. Solution Concentration: Molarity
4. Electrical Nature of Solutions
5. Solubility
6. Quiz 1: Toolbox TO Solubility
7. The Dissolving Process
8. Experiment: Solubility Trends
9. The Solubility Constant
10. Quiz 2: Toolbox to Solubility Constant
11. Acid-Base Equilibria
12. Experiment: Acid Strength*
13. pH Scale
14. Titration of Acids and Bases
15. Quiz 3: Toolbox to Titration
16. Redox Equilibria
17. Redox and Oxidation Potentials
18. Activity: Solution Concentration vs. Conductivity
19. pH Calculations
20. Quiz 4: Chapter Review
21. Special Project*
22. Test
23. Alternate Test*
24. Reference

Chemistry

## Unit 9: Carbon Chemistry: Hydrocarbons

**Assignments**

1. Organic Compounds
2. Sources of Organic Compounds
3. Experiment: Volatility*
4. Quiz 1: Organic Compounds and Their Sources
5. A Closer Look at the Carbon Atom
6. Bonding in Organic Compounds
7. Quiz 2: Organic Compounds to Bonding
8. Alkanes: Saturated Hydrocarbons
9. Unsaturated Hydrocarbons
10. Quiz 3: Chapter Review
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

Chemistry

## Unit 10: Carbon Chemistry: Functional Groups

**Assignments**

1. Common Reactions of Saturated Hydrocarbons
2. Reactions of Unsaturated Hydrocarbons
3. Quiz 1: Reactions of Saturated and Unsaturated Hydrocarbons
4. Alcohols
5. Aldehydes, Acids, and Ketones
6. Esters
7. Quiz 2: Reactions of Saturated and Unsaturated Hydrocarbons to Esters
8. Nitrogen Functional Groups
9. Proteins and Amino Acids
10. Experiment: Preparation of a Polymer
11. Quiz 3: Chapter Review
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

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Chemistry

**Unit 11: Chemistry Review**

**Assignments**

1. Measurement and Analysis
2. Scientific Analysis and Significant Figures
3. Elements, Compounds, and Mixtures
4. Gases and Moles
5. Quiz 1: Measurement to Gases and Moles
6. Atomic Structure and Nuclear Reactions
7. The Periodic Law
8. Molecular Structure
9. Chemical Reactions, Rates, and Equilibrium
10. Reaction Dynamics
11. Quiz 2: Measurement to Reaction Dynamics
12. Solutions
13. Solubility Equilibrium
14. Neutralization
15. Organic Compounds
16. Hydrocarbon Chemistry
17. Quiz 3: Chapter Review
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

Chemistry

**Unit 12: Semester Review and Test**

**Assignments**

1. Review
2. Exam
3. Alternate Exam—Form A*
4. Alternate Exam—Form B*

Chemistry

**Unit 13: Final Exam**

**Assignments**

1. Exam
2. Alternate Exam—Form A*
3. Alternate Exam—Form B*

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# Physics

Physics is intended to expose students to the design and order in the world that God has created. In preceding years, students should have developed a basic understanding of the macroscopic and microscopic world of forces, motion, waves, light, and electricity. The physics course will expand upon that prior knowledge and further develop both. The curriculum will also seek to teach the symbolic and mathematical world of formulas and symbols used in physics. The major concepts covered are kinematics, forces and motion, work and energy, sound and light waves, electricity and magnetism, and nuclear physics.

Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

Physics should be preceded by Algebra I and II courses and geometry.

- **Kinematics:** Students will learn to use scalars and vectors to visualize and calculate concepts of motion.
- **Dynamics:** Students will articulate Newton's and Kepler's laws of motion.
- **Work and Energy:** Students will demonstrate an understanding of how energy is transferred and changed from one form to another.
- **Introduction to Waves:** Students will describe wave characteristics such as amplitude, velocity, wavelength, and frequency.
- **Light:** Students will describe phenomena that characterize light as a wave and phenomena that characterize it as a particle.
- **Static Electricity:** Students will understand that all electric charges produce an electric field around them.
- **Electric Currents:** Students will apply and solve problems using Ohm's Law and Watt's Law for both series and parallel circuits.
- **Magnetism:** Students will describe the relationship between magnetism and electricity.
- **Atomic and Nuclear Physics:** Students will acquire a general understanding of atomic theory, including fusion and fission.

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Physics

## Unit 1: Kinematics

**Assignments**

1. Course Overview
2. Introduction to the Language of Physics
3. Experiment: Making a Soda Straw Balance
4. Experiment: Making a Simple Model of the Solar System
5. Quiz 1: Measurements
6. Scalars and Vectors
7. Quiz 2: Scalars and Vectors
8. Speed and Velocity
9. Project: Tutorial for Making a Scatter Plot Using an Electronic Spreadsheet Program*
10. Quiz 3: Speed and Velocity
11. Acceleration and Acceleration Due to Gravity
12. Experiment: Determining Reaction Time
13. Quiz 4: Acceleration and Acceleration Due to Gravity
14. Vectors
15. Projectiles
16. Quiz 5: Review
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

Physics

## Unit 2: Dynamics

**Assignments**

1. Newton's First and Second Laws
2. Report: Isaac Newton
3. Quiz 1
4. Project: Virtual Lab - Newton's Laws
5. Gravity
6. Quiz 2
7. Uniform Circular Motion
8. Project: Virtual Lab - Circular Motion
9. Experiment: Circular Motion
10. Quiz 3
11. Newton's Third Law and Conservation of Momentum
12. Project: Virtual Lab - Conservation of Momentum
13. Experiment: Collisions
14. Quiz 4
15. Kepler's Laws of Planetary Motion
16. Report: Solar System
17. Experiment: Kepler's Law
18. Quiz 5
19. Special Project
20. Review Game
21. Test
22. Alternate Test
23. Reference

Physics

## Unit 3: Work and Energy

**Assignments**

1. Work, Kinetic, and Potential Energy
2. Report: Nuclear Energy*
3. Quiz 1
4. Conservation of Energy
5. Power and Efficiency
6. Project: Virtual Lab- Simple Machines
7. Experiment: Simple Machines
8. Quiz 2
9. Project: Virtual Lab- Projectiles
10. Heat Energy
11. Latent Heat
12. Experiment: Latent Heat*
13. Laws of Thermodynamics
14. Quiz 3
15. Special Project*
16. Review Game
17. Test
18. Alternate Test*
19. Reference

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Physics

## Unit 4: Introduction to Waves

**Assignments**

1. Characteristics of Waves
2. Experiment: Wave Speeds
3. Experiment: Pulses*
4. Quiz 1
5. Wave Phenomena
6. Experiment: Waves
7. Experiment: Bending Waves*
8. Quiz 2
9. Sound Waves
10. Project: Virtual Lab- Sound
11. Project: Virtual Lab- Doppler Effect
12. Experiment: Doppler Effect*
13. Quiz 3
14. Special Project*
15. Review Game
16. Test
17. Alternate Test*
18. Reference

Physics

## Unit 5: Light

**Assignments**

1. Speed of Light: Historical Calculations
2. Properties of Light
3. Experiment: Light Angles
4. Experiment: Water Refraction*
5. Quiz 1
6. Mirrors
7. Experiment: Convergence
8. Lenses
9. Quiz 2
10. Light Phenomena and Models of Light
11. Project: Virtual Lab- Light
12. Experiment: Light Observations*
13. Quiz 3
14. Special Project*
15. Review Game
16. Test
17. Alternate Test*
18. Reference

Physics

## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam- Form A*
4. Alternate Exam- Form B*

Physics

## Unit 7: Static Electricity

**Assignments**

1. Electric Charges
2. Coulomb's Law
3. Experiment: Static Electricity*
4. The Transfer of Charges
5. Quiz 1
6. Electric Fields
7. Quiz 2
8. Electric Potential
9. Potential and Energy
10. Quiz 3
11. Special Project*
12. Review Game
13. Test
14. Alternate Test*
15. Reference

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Physics

## Unit 8: Electric Currents

**Assignments**

1. Sources of EMF
2. Project: Research and Report*
3. Fluid Flow
4. Quiz 1
5. Resistance
6. Quiz 2
7. Ohm's Law
8. Circuits
9. Project: Virtual Lab- Circuits
10. Quiz 3
11. Special Project*
12. Review Game
13. Test
14. Alternate Test*
15. Reference

Physics

## Unit 9: Magnetism

**Assignments**

1. Fields and Forces
2. Experiment: Magnetic Fields*
3. Forces
4. Quiz 1
5. Electromagnetism
6. Experiment: Induced Magnetic Fields*
7. Electromagnetic Induction
8. Quiz 2
9. Electron Beams
10. Quiz 3
11. Special Project*
12. Review Game
13. Test
14. Alternate Test*
15. Reference

Physics

## Unit 10: Atomic and Nuclear Physics

**Assignments**

1. Quantum Theory
2. X-Rays, Matter Waves, and the Uncertainty Principle
3. Quiz 1
4. Early Atomic Models
5. Report: Early Atomic Physics*
6. Bohr Model
7. Nuclear Theory
8. Quiz 2
9. Nuclear Reactions
10. Fusion and Applications of Nuclear Energy
11. Quiz 3
12. Special Project*
13. Review Game
14. Test
15. Alternate Test*
16. Reference

Physics

## Unit 11: Review

**Assignments**

1. Mechanics
2. Dynamics
3. Energy
4. Quiz 1
5. Wave Motion
6. Light and Sound
7. Quiz 2
8. Electricity and Magnetism
9. Fields and Forces
10. Circuits
11. Quiz 3
12. Modern Physics
13. The Bohr Atom
14. Duality
15. Nuclear Energy
16. Quiz 4
17. Special Project*
18. Review Game
19. Test
20. Alternate Test*
21. Reference

Physics

## Unit 12: Semester Review And Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam: Form A*
4. Alternate Exam: Form B*

Physics

## Unit 13: Final Exam

**Assignments**

1. Exam
2. Alternate Exam: Form A*
3. Alternate Exam: Form B*

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# Electives

## American Literature

American Literature is a five-unit elective that engages high school students in a literary conversation with some of the most colorful and influential minds in American history. Their words will give students a greater understanding of themselves, their culture, and the ideas of others. The course teaches students the various movements in American literature, starting with the roots of American literature in writings from the Puritans. The course concludes with works by Dr. Martin Luther King, Jr., and other black writers who were part of the struggle for racial freedom during the civil rights era.

**By then of this course students should be able to:**

- Recognize the religious beliefs of selected founding fathers, as evidenced in their writings.
- Identify the birth of a distinctively American literature.
- Recognize the impact of slavery on individuals and society.
- Understand and identify the influence of modernism upon religion and the arts.
- Recognize the dominant themes and techniques used in literature at the end of the twentieth century.

American Literature

**Unit 1: Early American Literature 1600-1800**

**Assignments**

1. Course Overview
2. Introduction: The Puritans
3. John Smith
4. William Bradford
5. John Winthrop
6. Quiz 1: The Puritans
7. The Colonists: Mary Rowlandson
8. Anne Bradstreet
9. Essay: Comparing Authors' Views
10. Edward Taylor
11. Samuel Sewall
12. Quiz 2: The Colonists
13. Days of Change and Revolution 1700-1800
14. Jonathan Edwards
15. Benjamin Franklin
16. Essay: Authors' Views of Mankind
17. Thomas Paine
18. Thomas Jefferson
19. Michel-Guillaume Jean de Crevecoeur
20. Essay: Biblical Imagery and References*
21. Quiz 3: Days of Change and Revolution
22. Special Project*
23. Test: Early American Literature
24. Alternate Test: Early American Literature*
25. Reference

American Literature

**Unit 2: The Romantic Period 1800-1855**

**Assignments**

1. A New Nation 1800-1840: Introduction
2. Washington Irving
3. James Fenimore Cooper
4. William Cullen Bryant
5. Quiz 1: A New Nation
6. American Naissance 1840-1855: Introduction
7. The Fireside Poets: Henry Wadsworth Longfellow
8. The Fireside Poets: John Greenleaf Whittier
9. The Fireside Poets: Oliver Wendell Holmes
10. The Transcendentalists: Ralph Waldo Emerson
11. The Transcendentalists: Henry David Thoreau
12. The Transcendentalists: Walt Whitman
13. Quiz 2: The Fireside Poets and Transcendentalists
14. The Voices of Despair: Edgar Allen Poe
15. The Voices of Despair: Nathaniel Hawthorne
16. The Voices of Despair: Herman Melville
17. The Voices of Despair: Emily Dickinson
18. Project: Responding to Literature
19. Quiz 3: The Voices of Despair
20. Special Project*
21. Test: The Romantic Period
22. Alternate Test: The Romantic Period*
23. Reference

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American Literature

**Unit 3: War and Reconciliation 1855-1915**

**Assignments**

1. Secession and Loyalty 1855-1865: Introduction
2. Frederick Douglass
3. Harriet Beecher Stowe
4. Spirituals
5. Robert E. Lee
6. Abraham Lincoln
7. Quiz 1: Secession and Loyalty 1855 - 1865
8. Realism and Naturalism 1865-1915: Introduction
9. Samuel Langhorne Clemens (Mark Twain)
10. William Dean Howells
11. Henry James
12. Quiz 2: Realism and Naturalism 1865 - 1915
13. Naturalists, Regionalists and Realists: Stephen
14. Crane
15. Kate Chopin
16. Paul Laurence Dunbar
17. Jack London
18. Essay: Analysis and Response
19. Quiz 3: Naturalists, Regionalists, and Realists
20. Special Project*
21. Test: War and Reconciliation
22. Alternate Test: War and Reconciliation*
23. Reference

American Literature

**Unit 4: The Modern Age 1915-1946**

**Assignments**

1. The Modern Age
2. Modern Prose: Ernest Hemingway
3. F. Scott Fitzgerald
4. Quiz 1: Modern Prose
5. Modern Poetry: Ezra Pound
6. Carl Sandburg
7. E. E. Cummings
8. Wallace Stevens
9. Robert Frost
10. W. H. Auden
11. Project: Poetry Models
12. Quiz 2: Modern Poetry
13. Other Modern Age Literature: Harlem Renaissance, Langston Hughes
14. Drama: Thornton Wilder
15. Religious Works: J. Gresham Machen
16. Quiz 3: Other Literature
17. Special Project*
18. Test: The Modern Age
19. Alternate Test: The Modern Age*
20. Reference

American Literature

**Unit 5: From Modern to Postmodern 1946-Present**

**Assignments**

1. The Birth of Postmodernism: Introduction
2. Flannery O'Connor (1)
3. Flannery O'Connor (2)
4. Flannery O'Connor (3)
5. Theodore Roethke
6. Quiz 1: The Birth of Postmodernism
7. More Contemporary Writers: Eudora Welty
8. John Updike
9. Robert Trail Spence Lowell, Jr.
10. Quiz 2: More Contemporary Writers
11. Social Issues: Martin Luther King, Jr.
12. Essay: Dr. King's Literary Allusions
13. Ralph Ellison
14. Gwendolyn Brooks
15. Project: Responding to Postmodernism
16. Quiz 3: Social Issues
17. Special Project*
18. Test: From Modern to Postmodern
19. Alternate Test: From Modern to Postmodern*
20. Reference

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# British Literature

Beginning with works from the Middle Ages, British Literature is a five-unit course that teaches high school students about some of the greatest books of Western Civilization. Students will learn how to appreciate the English literature of the Middle Ages for its wisdom and beauty and will also gain a better understanding of the development of the English language and its literature. Course units cover one to two centuries, concluding with the writings of apologist C.S. Lewis in the 20th century.

Through this course, students will do the following:

- Gain a better understanding of the beginning and development of the English language and its literature.
- Recognize the Bible's central importance to the English Reformation.
- Appreciate the wisdom and eloquence of the authors of each period.
- Evaluate literature by comparing it to Scripture.
- Discern the causes and the consequences of "the absence of God" from modern society.
- Appreciate the influence of Christian writers in the twentieth century.

British Literature

**Unit 1: The Middle Ages**

**Assignments**

1. Course Overview
2. Introduction
3. Old English Literature: Bede
4. Beowulf
5. Project: Metonymy
6. Quiz 1: Introduction and Old English Literature
7. Middle English Literature: Chaucer
8. The Pardoner's Tale
9. Piers Plowman
10. Project: Illuminated Manuscripts
11. Quiz 2: Middle English Literature
12. Morality Plays: Everyman
13. Sir Thomas Malory: Le Morte d' Arthur
14. Le Morte d' Arthur II
15. Le Morte d' Arthur III
16. Essay: Comparing Literature to Scripture
17. Quiz 3: Morality Plays and Malory's Le Morte d' Arthur
18. Special Project*
19. Test: The Middle Ages
20. Alternate Test: The Middle Ages*
21. Reference

British Literature

**Unit 2: The Sixteenth Century**

**Assignments**

1. The Renaissance and Reformation
2. The Early Renaissance: Sir Thomas More
3. Roger Ascham
4. John Foxe
5. Quiz 1: The Renaissance and Reformation
6. Renaissance Poets: Sir Thomas Wyatt the Elder
7. Sir Philip Sidney
8. Edmund Spenser
9. Mary (Sidney) Herbert, Countess of Pembroke
10. Essay: Comparing Literature to Scripture
11. Quiz 2: Renaissance Poets
12. Renaissance Prose and Drama: Sir Walter Raleigh
13. William Shakespeare
14. The Taming of the Shrew 1
15. The Taming of the Shrew 2
16. The Taming of the Shrew 3
17. The Taming of the Shrew 4
18. The Taming of the Shrew 5
19. Project: Exploring Shakespeare
20. The English Bible
21. Quiz 3: Renaissance Prose and Drama
22. Special Project*
23. Test: The Sixteenth Century
24. Alternate Test: The Sixteenth Century*
25. Reference

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British Literature

## Unit 3: The Seventeenth and Eighteenth Centuries

**Assignments**

1. The Stuarts and the Puritan Revolution 1603-1660
2. John Donne
3. Ben Jonson
4. George Herbert
5. Quiz 1: The Stuarts and the Puritan Revolution
6. More Seventeenth Century Writers: John Milton
7. John Owen
8. Essay: Comparing Literature to Scripture
9. Francis Bacon
10. Quiz 2: More Seventeenth Century Writers
11. The Restoration and Neoclassic Period 1660-1785
12. John Dryden
13. John Bunyan
14. Jonathan Swift
15. Alexander Pope
16. Isaac Watts
17. Project: Responding to Literature
18. Quiz 3: The Restoration and Neoclassic Period
19. Special Project*
20. Test: The Seventeenth and Eighteenth Centuries
21. Alternate Test: The Seventeenth and Eighteenth Centuries*
22. Reference

British Literature

## Unit 4: The Nineteenth Century (1798-1900)

**Assignments**

1. The Romantic Era: Introduction
2. William Blake
3. William Wordsworth
4. Samuel Taylor Coleridge
5. Sir Walter Scott
6. Quiz 1: The Romantic Era
7. The Late Romantic Era: Jane Austen
8. Charles Lamb
9. George Gordon, Lord Byron
10. Percy Bysshe Shelley
11. John Keats
12. Quiz 2: The Late Romantic Era
13. The Victorian Era: Introduction
14. Thomas Carlyle
15. John Henry Cardinal Newman
16. Alfred, Lord Tennyson
17. Charles Dickens
18. Robert Browning
19. George Eliot
20. Oscar Wilde
21. Lewis Carroll
22. Project: Responding to Literature
23. Quiz 3: The Victorian Era
24. Special Project*
25. Test: The Nineteenth Century
26. Alternate Test: The Nineteenth Century*
27. Reference

British Literature

## Unit 5: The Twentieth Century

**Assignments**

1. Introduction
2. Thomas Hardy
3. Joseph Conrad
4. G. K. Chesterton
5. Quiz 1: Introduction
6. Modern Poetry, Drama, and Prose: William Butler Yeats
7. T. S. Eliot
8. George Bernard Shaw
9. Winston Churchill
10. Quiz 2: Modern Poetry, Drama, and Prose
11. Modern Fiction: Virginia Woolf
12. James Joyce
13. Aldous Leonard Huxley
14. C. S. Lewis
15. Project: Responding to Literature
16. Quiz 3: Modern Fiction
17. Special Project*
18. Test: The Twentieth Century
19. Alternate Test: The Twentieth Century*
20. Reference

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# Business Computer Information Systems

BCIS is a high school elective that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas:

- communication skills
- business technology
- word processing applications
- spreadsheet applications
- database applications
- telecommunications technology
- desktop publishing technology
- presentation technology
- computer networks
- computer operating systems

The course is intended to help students arrive at the following understandings:

- Effective communications skills and productive work habits can increase employees' success.
- Technology solutions can help employees be more productive and effective.

Keyboarding is a stated prerequisite for this course. While there are some keyboarding reviews in the course, there is no keyboarding instruction.

BCIS

**Unit 1: Communication Skills**

**Assignments**

1. Course Overview
2. Communication Skills
3. Electronic Communication Skills
4. Project: Revising E-mail
5. Quiz 1: Overview of Effective Communication Skills
6. Workplace Skills, Habits, and Attitudes
7. Active Listening
8. Constructive Feedback
9. Project: Employee Action Plan
10. Quiz 2: Desirable Workplace Skills, Habits, and Attitudes
11. Finding Reliable Internet Resources
12. Paraphrasing and Summarizing
13. Organizing Information
14. Quiz 3: Using Written Information
15. Report: Business Skills
16. Special Project*
17. Review
18. Test
19. Alternate Test*
20. Glossary and Credits

BCIS

**Unit 2: Business Technology**

**Assignments**

1. Hardware versus Software
2. Current Business Technology
3. Quiz 1: Overview of Business Technology
4. Business Solutions Case Studies
5. Emerging Technology
6. Project: Defining Technical Terms
7. Quiz 2: Business Solutions
8. Report: Technology in Business
9. Special Project*
10. Review
11. Test
12. Alternate Test*
13. Glossary and Credits

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BCIS

## Unit 3: Word Processing

**Assignments**

1. Keyboarding Pretest
2. Keyboarding Exercises
3. Number Keypad
4. Project: Timed Typing Tests*
5. Quiz 1: Keyboarding Skills
6. Writing and Editing a Business Document
7. Project: Creating a Memo
8. Business Letters
9. Project: Creating a Business Letter
10. Resumes
11. Project: Creating a Resume
12. Brochures and Newsletters
13. Project: Creating a Newsletter
14. Research Papers
15. Project: Formatting a Research Paper
16. Business Reports
17. Project: Creating a Business Report
18. Quiz 2: Creating Business Documents
19. Special Project*
20. Review
21. Test
22. Alternate Test*
23. Glossary and Credits

BCIS

## Unit 4: Spreadsheets

**Assignments**

1. Entering Data
2. Formatting
3. Editing Data
4. Shortcuts
5. Quiz 1: Spreadsheet Basics
6. Formulas
7. Project: Using Simple Formulas
8. Advanced Formulas
9. Project: Using Advanced Formulas
10. Quiz 2: Spreadsheet Formulas
11. Project: Creating a Personal Budget
12. Project: Estimating Income Taxes
13. Creating Graphs
14. Project: Business Spreadsheets
15. Project: Balance Sheets and Profit-and-Loss Statements
16. Quiz 3: Spreadsheet Applications
17. Special Project*
18. Review
19. Test
20. Alternate Test*
21. Glossary and Credits

BCIS

## Unit 5: Databases

**Assignments**

1. Comparing Databases and Spreadsheets
2. Understanding Database Terms
3. Project: Creating a Database
4. Working with Data and Records
5. Quiz 1: Database Basics
6. Using Databases to Search and Query
7. Project: Working with Queries
8. Project: Using a Database to Generate Mailings*
9. Importing and Exporting Data
10. Project: Using a Database to Create a Business Report*
11. Quiz 2: Database Features
12. Special Project*
13. Review
14. Test
15. Alternate Test*
16. Glossary and Credits

BCIS

## Unit 6: Semester Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam*

BCIS

## Unit 7: Telecommunications Technology

**Assignments**

1. The Parts and the Pieces
2. Case Studies
3. Quiz 1: The Telecommunications Industry - An Overview
4. E-Mail
5. Beyond E-Mail
6. Evaluating Telecommunication Technologies
7. Project: Analyze It
8. Quiz 2: Using and Choosing Telecommunication Technology
9. E-Mail Ethics and Work Habits
10. Netiquette
11. Quiz 3: Doing It Right
12. Special Project*
13. Review
14. Test
15. Alternate Test*
16. Glossary and Credits

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BCIS

**Unit 8: Desktop Publishing Technology**

**Assignments**

1. What Is Desktop Publishing?
2. Case Study: The Uses of DTP
3. Quiz 1: Desktop Publishing - An Introduction
4. Planning
5. Design Considerations
6. More Design Considerations
7. Quiz 2: Desktop Publishing Procedures
8. Importing Text
9. Importing Graphics
10. Project: Creating an Instructional Manual
11. Quiz 3: Using Desktop Publishing
12. Special Project*
13. Review
14. Test
15. Alternate Test*
16. Glossary and Credits

BCIS

**Unit 9: Presentation Technology**

**Assignments**

1. What is Presentation Technology?
2. How Is Presentation Technology Used?
3. Quiz 1: An Introduction to Presentation Technology
4. Working with Text
5. Working with Graphics
6. Working with Special Effects
7. Quiz 2: Presentation Guidelines
8. Content
9. Layout
10. Putting It All Together
11. Quiz 3: Presentation Planning
12. Project: Creating a Presentation
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

BCIS

**Unit 10: Computer Networks**

**Assignments**

1. Why Use a Network?
2. How Do Networks Work?
3. Quiz 1: An Introduction to Networking
4. Network Architecture
5. Network Areas
6. Network Models
7. Hardware and Software
8. Quiz 2: Networking Basics
9. Needs Assessment
10. Designing Your Network
11. Quiz 3: Choosing a Network
12. Project: Networking Interview
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

BCIS

**Unit 11: Computer Operating Systems**

**Assignments**

1. What is an Operating System?
2. Utilities
3. Quiz 1: An Introduction to Operating Systems
4. Mac
5. Windows
6. Linux
7. Quiz 2: Types of Operating Systems
8. Getting Started - Exploring the Desktop
9. Using the Interface
10. Programs and Files
11. Quiz 3: Using the Operating System
12. Project: Customize Your Desktop
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

BCIS

**Unit 12: Semester Review and Exam**

**Assignments**

1. Review
2. Exam
3. Alternate Exam*

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# Civics

In this five-section elective, high-school students will learn about the rights and responsibilities of being an American citizen. By studying different forms of government, students will investigate what motivated America's founding fathers as they drafted the U.S. Constitution. Students will also learn about the branches of the U.S. government as laid out in the Constitution and about the structure of state and local governments. In each unit, students will complete an in-depth project related to that unit's topic.

Through this course, students will do the following:

- Understand the definition of government and explain its role in the life of the citizen.
- Explore why politics takes place any time a group of individuals is gathered together.
- Understand the differences and relationships between civic life, political life, and private life.
- Analyze the influence of the federal government on the American economy.
- Analyze the elements of America's market economy in a global setting.

Civics

**Unit 1: A New Nation**

**Assignments**

1. Course Overview
2. The Distinctions Among Civic, Political, and Private Life
3. The Necessity of Politics and Government
4. The Purpose of Politics and Government
5. Quiz 1
6. Why Independence
7. Natural Rights
8. Given Rights
9. The Role of Religion
10. The Protestant Reformation
11. Babylonian Monarchy, Greek Democracy, Roman Republic
12. Quiz 2
13. Forms of Government
14. Religious and Political Freedom
15. Limits in Government
16. Civil Society and Government
17. Relationship of Limited Government to Political and Economic Freedom
18. Liberalism, Republicanism, and American Constitutional Republic
19. Project: Conflict of Interest
20. Quiz 3
21. Unitary, Confederal, or Federal?
22. Nature of Representation
23. Fundamental Values and Principles
24. The Great Compromise
25. Quiz 4
26. Special Project*
27. Test
28. Alternate Test*
29. Reference

Civics

**Unit 2: The Constitution**

**Assignments**

1. Federalists and Anti-Federalists
2. Project: Compare Bill of Rights
3. As Good as it Gets
4. The Peaceful Transfer of Power
5. Quiz 1
6. Introduction to Constitutional Government
7. Constitutional Law in the United States Federal Government
8. The Preamble
9. Project: A Limited Government
10. Separation of Powers/Checks and Balances
11. Quiz 2
12. The Ability to Change
13. The Bill of Rights: Protection
14. The Bill of Rights: Interpretation
15. Quiz 3
16. Special Project*
17. Test
18. Alternate Test*
19. Reference

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Civics

## Unit 3: Branches of Government

**Assignments**

1. Presidential Power
2. Electing a President
3. Case Study: The Election of 1824
4. The Federal Bureaucracy
5. Project: Limits on Presidential Power
6. Quiz 1
7. A Two-House System
8. Committees in Action
9. Project: Your Home Legislators*
10. How a Bill Becomes a Law
11. Impeachment
12. Quiz 2
13. Organization of the Judicial Branch
14. The Role of the Supreme Court
15. Judicial Activism vs. Judicial Restraint
16. Making a More Perfect Union
17. Quiz 3
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

Civics

## Unit 4: Government by the People

**Assignments**

1. State Branches
2. Local Government: Types and Functions
3. Financing Government through Taxation
4. Case Study: Integration of Schools
5. Direct Democracy
6. Quiz 1
7. Why Political Parties?
8. Parties and Primaries
9. Politics and Media
10. Districts, Special Interests, and Funding
11. Public Policy and Public Agenda
12. Project: Your Politics*
13. Quiz 2
14. Your Rights
15. Project: Limits of Freedom
16. Citizens in Action
17. Case Study: Prohibition
18. Civic Responsibility
19. Becoming a Citizen
20. Quiz 3
21. Diversity and the Character of American Society
22. Project: Constitutional Values and Principles
23. Voluntarism and Organized Groups
24. American Political Conflict
25. Conflicts of Values
26. Disparities between Ideals and Reality
27. Quiz 4
28. Special Project*
29. Test
30. Alternate Test*
31. Reference

Civics

## Unit 5: Relationship to the World

**Assignments**

1. Government and Economics
2. Project: Economics of a New Business
3. International Economics
4. Case Study: The Middle East
5. Project: Environmental Politics
6. Quiz 1
7. Types of Economic Systems
8. Communism
9. Fascism
10. Project: The Jewish Holocaust
11. American Capitalism
12. Personal, Political, and Economic Rights
13. Geography, Politics, and Economics of Governments
14. Project: New Governments
15. Quiz 2
16. Economic and Humanitarian Concerns
17. Political Concerns
18. Historical Context of Foreign Policy
19. Making and Implementing Foreign Policy
20. Means and Ends of Foreign Policy
21. Impact of Democracy and Individual Rights on the World
22. International Organizations
23. Quiz 3
24. Special Project*
25. Test
26. Alternate Test*
27. Reference

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# College Planner

College Planner is a one-semester high-school elective, with the following goals:

- guiding students in the entire college process
- planning for college
- selecting the right school
- the application process
- financial aid
- guiding students who may not be headed to college

The program focuses on the decision-making process of choosing a school, covering both the application process and financial requirements. Additionally, for those students who will not be attending college or university, the course surveys non-college options.

Upon completion of the course, students should be able to do the following:

- Articulate reasons for attending college and for choosing a specific institution over another.
- Identify the planning steps to be taken by students during each year of high school.
- Understand the basic differences between the SAT and ACT entrance exams, knowing how best to prepare for each one.
- Understand the major costs of attending college and what financial aid options are available.
- Identify post-high school options for individuals who will not be attending college.

Additionally, students will gain practice in report-writing, covering topics like God's plan, admissions essays, college costs, and more.

College Planner

**Unit 1: My Educational Future**

**Assignments**

1. Course Overview
2. Who Are You and What Do You Want?
3. Report: God's Plan for You
4. Common Reasons to Go to College
5. What's God's Will for My Educational Future?
6. Quiz 1: Education Goals
7. Why Choose a Particular School?
8. What Are Colleges Really Looking For?
9. Quiz 2: Making Educational Decisions
10. Special Project*
11. Test
12. Reference

College Planner

**Unit 2: Choosing a College**

**Assignments**

1. What Type of School is Right for Me?
2. Freshmen/Sophomores: Planning Calendars
3. Juniors/Seniors: Planning Calendars
4. Quiz 1: Picking the Right School
5. Your Ideal School: Creating Your Long List
6. Your Ideal School: Creating Your Short List
7. Project: Choose Your School
8. Quiz 2: Narrowing Down the Choices
9. Special Project*
10. Test
11. Reference

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College Planner

## Unit 3: Entrance Exams and Applications

**Assignments**

1. College Entrance Exams: The PSAT
2. College Entrance Exams: The SAT Reasoning and SAT Subject Tests
3. College Entrance Exams: The ACT
4. Quiz 1: Entrance Exams
5. Applications and Recommendations
6. Admissions Essays
7. Essay: Admissions Essay
8. Athletics and Fine Arts
9. Quiz 2: The Application Process
10. Special Project*
11. Test
12. Reference

College Planner

## Unit 4: Paying for College

**Assignments**

1. What Does College Cost?
2. Project: The Costs of College
3. How Much Will You Be Expected to Pay?
4. Types of Financial Aid: Grants and Loans
5. Quiz 1: College Costs
6. Types of Financial Aid: Scholarships and More
7. A Message to Parents (and Students)
8. Quiz 2: Financial Aid
9. Special Project*
10. Test
11. Reference

College Planner

## Unit 5: Non-College Options

**Assignments**

1. Interviewing: Some Questions
2. Project: Your List of Questions*
3. Mentoring
4. Quiz 1: Getting Help with Questions
5. Other Options: Apprenticeship and Internship
6. Other Options: Military
7. Review
8. Quiz 2: Other Options
9. Special Project*
10. Test
11. Reference

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# Consumer Math

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.

Upon completion of the course, students should be able to do the following:

- Use basic math operations on fractions, decimals, and percents.
- Interpret graphs and charts.
- Understand sets and basic set theory.
- Calculate simple probabilities.
- Calculate statistical measures of variation.
- Use similarity and right triangle ratios for indirect measurement.
- Calculate taxes, discounts, and interest amounts.
- Apply math to everyday concerns, as well as to the realms of business and government.

Consumer Math

**Unit 1: Basic Math Review**

**Assignments**

1. Course Overview
2. Introduction
3. Number Skills
4. Signed Numbers and Measurement Scales
5. A Consumer Application
6. Division Review
7. Quiz 1: Basic Operations
8. Prime Numbers and Factors
9. Factors and Products
10. Fractions, LCM, and GCF
11. Fractions
12. Quiz 2: Fractions
13. Adding and Subtracting Fractions
14. Multiplying and Dividing Fractions
15. Operations with Mixed Numbers
16. Consumer Applications
17. Quiz 3: Operations With Fractions
18. A Ratio Scale, Decimals, and Number Bases
19. Operations and Decimals
20. Consumer Application, Metrics
21. Quiz 4: Decimals
22. Percent
23. Base, Rate, Percentage
24. Problem Solving
25. Quiz 5: Percent
26. Mental Problem Solving
27. Final Review
28. Special Project*
29. Test: Basic Math Review
30. Alternate Test: Basic Math Review*
31. Reference

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Consumer Math

## Unit 2: Personal Finance

**Assignments**

1. Money
2. Finding a Job
3. Job Skills: Using Standard Units
4. Job Skills: Using Metric Units
5. Converting Systems
6. Quiz 1: Job Skills
7. Part- and Full-Time Jobs
8. Wages
9. Payroll
10. Payroll Deductions
11. Other Deductions
12. Quiz 2: Wages
13. Self-Employment: Piecework
14. Commission and Tips
15. Retirement Planning
16. Quiz 3: Other Income
17. Story Problems with Review
18. Special Project*
19. Test: Personal Finance
20. Alternate Test: Personal Finance*
21. Reference

Consumer Math

## Unit 3: Statistics

**Assignments**

1. Home Budget
2. Organizing Data
3. Sets and Probability (I)
4. Sets and Probability (II)
5. Representing Data
6. Quiz 1: Data
7. Preparing a Cash Budget
8. Using Records in Planning
9. A Home Business Application
10. Quiz 2: Records
11. Planning with Measures of Variations
12. Project: Using Statistics*
13. Using the Standard Normal Distribution
14. Z-Scores and the Normal Distribution
15. Quiz 3: Measures of Variation
16. Sampling and Estimation
17. A Balance Sheet
18. Quiz 4: Balance Sheet
19. Confidence Intervals
20. Unit Review
21. Special Project*
22. Test: Statistics
23. Alternate Test: Statistics*
24. Reference

Consumer Math

## Unit 4: Taxes and Insurance

**Assignments**

1. Life Insurance
2. Premiums
3. Loans and Cash Value
4. Health Insurance
5. Project: Insurance*
6. Other Insurance
7. Quiz 1: Insurance
8. Taxes: Federal 1040
9. Taxes: FICA
10. Taxes: State
11. Quiz 2: Withholding
12. Taxes: Local
13. Taxes: Other
14. Quiz 3: Taxes
15. Review
16. Special Project*
17. Test: Taxes and Insurance
18. Alternate Test: Taxes and Insurance*
19. Reference

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Consumer Math

## Unit 5: Banking Services and Investments

**Assignments**

1. Selecting a Bank
2. Checking Accounts
3. Savings Accounts
4. Quiz 1: Accounts
5. Reconciling Statements
6. ATM'S
7. Simple and Compound Interest
8. Other Services
9. Quiz 2: Services
10. Financial Planning
11. Stocks
12. Bonds
13. Mutual Funds
14. Quiz 3: Investments
15. Wills and Estates
16. Project: Wills*
17. Distributing an Estate
18. Quiz 4: Estate Planning
19. Review
20. Special Project*
21. Test: Banking Services and Investments
22. Alternate Test: Banking Services and Investments*
23. Reference

Consumer Math

## Unit 6: Banking and Credit Costs

**Assignments**

1. Overdraft Protection
2. Financing Large Purchases
3. Interest First Loans
4. Installment Loans
5. Quiz 1: Loans
6. The Annual Percentage Rate
7. Automobile Loans
8. Mortgages
9. Quiz 2: Mortgages
10. Sequences, The Rule of 78
11. Credit
12. Credit Card Purchases
13. Quiz 3: Credit
14. Review
15. Special Project*
16. Test: Banking and Credit Costs
17. Alternate Test: Banking and Credit Costs*
18. Reference

Consumer Math

## Unit 7: Purchase and Sale of Goods

**Assignments**

1. Purchasing and Variables
2. Discounts
3. More Discounts
4. Markup
5. Quiz 1: Discounts and Markup
6. Graphs and Trends
7. Cost Per Unit
8. Project: Buying Equipment*
9. Tables As Variables
10. Quiz 2: Graphs and Tables
11. Graphs, Functions, Slope
12. Project: Data Summaries*
13. A Comparison Technique
14. Quiz 3: Graphing and Comparing
15. Tabular Data Interpretation
16. Depreciation Trends
17. Buy, Lease, Rent (I)
18. Buy, Lease, Rent (II)
19. Advertisements
20. Quiz 4: Interpreting Data
21. Review
22. Special Project*
23. Test: Purchase and Sale of Goods
24. Alternate Test: Purchase and Sale of Goods*
25. Reference

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Consumer Math

## Unit 8: Leisure, Travel, and Retirement

**Assignments**

1. Leisure
2. Free Activities
3. Hobbies
4. Angles
5. Outdoor Activities
6. Transportation and Travel
7. Quiz 1: Leisure and Travel
8. Physical Fitness
9. Vacations
10. Quiz 2: Fitness and Vacations
11. Retirement Planning
12. Comparing Travel Cost Benefits
13. Project: Constructions*
14. Quiz 3: Retirement and Comparing
15. Review
16. Special Project*
17. Test: Leisure, Travel, and Retirement
18. Alternate Test: Leisure, Travel, and Retirement*
19. Reference

Consumer Math

## Unit 9: Job Related Services

**Assignments**

1. Ratio and Proportion
2. Food Services
3. Personal Appearance Services
4. Pricing of Services
5. Perimeter and Area
6. Quiz 1: Ratio, Proportion, and Formulas
7. Facility Capacity Estimation
8. Applications
9. Circles
10. Area Applications
11. Quiz 2: Area
12. Solid Figures with Plane Boundaries
13. Solid Figures with Curved Boundaries
14. Mixture Problems
15. Architects and Interior Design
16. Quiz 3: Area and Volume
17. Geometry and Indirect Measure
18. Consumer Applications
19. Quiz 4: Application Problems
20. Review
21. Special Project*
22. Test: Job Related Services
23. Alternate Test: Job Related Services*
24. Reference

Consumer Math

## Unit 10: Consumer Math Review

**Assignments**

1. Review: Basic Math (I)
2. Review: Basic Math (II)
3. Review: Measurement
4. Review: Personal Finance (I)
5. Review: Personal Finance (II)
6. Quiz 1: Basic Math, Measurement, Finances
7. Review: Budgeting (I)
8. Review: Budgeting (II)
9. Review: Insurance
10. Review: Taxes
11. Quiz 2: Budgeting, Insurance, Taxes
12. Review: Banking and Investment (I)
13. Review: Banking and Investment (II)
14. Review: Banking and Credit Costs (I)
15. Review: Banking and Credit Costs (II)
16. Quiz 3: Banking, Credit
17. Review: Purchase and Sale of Goods (I)
18. Review: Purchase and Sale of Goods (II)
19. Review: Travel
20. Quiz 4: Purchases, Sales, Travel
21. Review: Leisure and Retirement
22. Review: Geometry
23. Review: Job Related Services
24. Quiz 5: Leisure, Geometry, Services
25. Extra Practice
26. Final Review
27. Special Project*
28. Test: Consumer Math Review
29. Alternate Test: Consumer Math Review*
30. Reference

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# Earth Science

Earth Science is a high school science course that explores Earth's structure, interacting systems, and place in the universe. The course uncovers concepts and processes found in:

- astronomy – Earth's place in and interaction with space,
- geology – physical structure and dynamic processes,
- meteorology – atmosphere, weather and climate, and
- oceanography – oceans and marine life.

Students will have the opportunity to evaluate and explore many scientific concepts by participating in interactive lab sessions, conducting hands-on activities, and completing projects designed to improve the understanding of Earth and its dynamic functions.

- **Dynamic Structure of Earth:** Students will explore the changes and cycles constantly affecting the Earth.
- **Forces and Features of Earth:** Students will learn about the forces at work on the Earth, such as earthquakes and volcanoes and how to use maps.
- **Features of Earth's Crust:** Students will learn about rocks, minerals and other resources.
- **Shaping Earth's Crust:** Students will explore the forces that shape the Earth's crust, such as weathering and erosion, and other constructive and destructive forces.
- **Earth's Water:** Students will explore the water cycle and the different bodies of water on the Earth.
- **Earth's Atmosphere:** Students will explore the make-up of the Earth's atmosphere and the impact of humans on the atmosphere.
- **Earth's Weather and Climate:** Students will explore weather and climate and how to measure and predict weather.
- **Astronomy:** Students will explore the solar system and other celestial bodies in the universe.

Earth Science

**Unit 1: Dynamic Structure of Earth**

**Assignments**

1. Course Overview
2. Introduction to Earth Science
3. Project: Research a Career
4. A Unique Planet
5. Project: Earth Comparisons
6. Quiz 1: Introduction to Earth Science
7. Layers of the Earth
8. Project: Building a Model of the Earth
9. Continental Drift
10. Plate Tectonics
11. Project: Mantle Convection
12. Plate Boundaries
13. Project: Plate Boundaries
14. Quiz 2: Earth's Dynamic Internal Structure
15. The Spheres of Earth
16. Project: Sphere Interaction Lab
17. Geochemical Cycles: Cycles of Earth Materials
18. Biogeochemical Cycles: Cycles of Life Materials
19. Flow of Energy in Ecosystems
20. Project: Flow of Energy
21. Quiz 3: Earth's Dynamic External Structure
22. Special Project*
23. Review
24. Test
25. Alternate Test*
26. Glossary and Credits

Earth Science

**Unit 2: Forces and Features of Earth**

**Assignments**

1. Force of Earthquakes
2. Measuring The Force of Earthquakes
3. Features of Earthquakes
4. Project: Earthquake Features Lab
12. Using Geologic Maps
13. Using Topographic Maps
14. Project: Mapping
15. Project: Create a Topographic Map*

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| | | |
|---|---|---|
| | 5. Quiz 1: Earthquakes | 16. Quiz 3: Identifying Features of Earth |
| | 6. Force of Volcanoes | 17. Special Project* |
| | 7. Impact of Volcanoes | 18. Review |
| | 8. Prediction of Volcanoes | 19. Test |
| | 9. Features of Volcanoes | 20. Alternate Test* |
| | 10. Project: Volcanic Features Lab | 21. Glossary and Credits |
| | 11. Quiz 2: Volcanoes | |

| | | |
|---|---|---|
| Earth Science | **Unit 3: Features of Earth's Crust** | |
| | **Assignments** | |
| | 1. Minerals | 11. Quiz 2 |
| | 2. Project: Crystal Systems | 12. Renewable Resources |
| | 3. Mineral Identification | 13. Nonrenewable Resources |
| | 4. Project: Identifying a Mineral | 14. Project: Nuclear Energy |
| | 5. Quiz 1 | 15. Quiz 3 |
| | 6. Igneous Rocks | 16. Special Project* |
| | 7. Sedimentary Rocks | 17. Review |
| | 8. Metamorphic Rocks | 18. Test |
| | 9. The Rock Cycle | 19. Alternate Test* |
| | 10. Project: Identifying a Rock | 20. Glossary and Credits |

| | | |
|---|---|---|
| Earth Science | **Unit 4: Shaping Earth's Crust** | |
| | **Assignments** | |
| | 1. Weathering | 10. Quiz 2: Weathering and Erosion |
| | 2. Erosion | 11. Destructive Forces |
| | 3. Soil Formation | 12. Constructive Forces |
| | 4. Project: Soil Particles | 13. Quiz 3: Destructive and Constructive Forces |
| | 5. Quiz 1: Shaping the Surface | 14. Special Project* |
| | 6. Rivers and Waves | 15. Review |
| | 7. Gravity and Glaciers | 16. Test |
| | 8. Project: Ice Erosion | 17. Alternate Test* |
| | 9. Wind | 18. Glossary and Credits |

| | | |
|---|---|---|
| Earth Science | **Unit 5: Semester Review and Exam** | |
| | **Assignments** | |
| | 1. Review (1) | 3. Exam |
| | 2. Review (2) | 4. Alternate Exam* |

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Earth Science

## Unit 6: Earth's Water

**Assignments**

1. The Water Cycle
2. Project: Water Purification
3. Water Basics
4. Water Distribution
5. Project: Water Conservation
6. Quiz 1
7. Groundwater
8. Experiment: Porosity and Permeability
9. Lakes and Rivers
10. Glaciers and Ice Caps
11. Quiz 2
12. Ocean Water
13. Experiment: Fresh Water vs. Saltwater
14. Waves and Tides
15. Currents
16. Quiz 3
17. Special Project*
18. Review
19. Test
20. Alternate Test*
21. Glossary and Credits

Earth Science

## Unit 7: Earth's Atmosphere

**Assignments**

1. Importance of the Atmosphere
2. Structure of the Atmosphere
3. Project: Layers of the Atmosphere
4. Quiz 1: The Atmosphere
5. Atmospheric Cycles
6. Solar Interaction
7. Project: Solar Energy
8. Alternate Project: Temperature*
9. Air Pressure and Winds
10. Project: Air Circulation
11. Alternate Project: Barometers*
12. Quiz 2: Earth-Sun Relationships
13. Air Pollution
14. Project: Greenhouse Effect
15. Quiz 3: Human Relationship
16. Special Project*
17. Review
18. Test
19. Alternate Test*
20. Glossary and Credits

Earth Science

## Unit 8: Earth's Weather and Climate

**Assignments**

1. Weather and Climate
2. Project: Weather or Climate?
3. Clouds and Precipitation
4. Project: Clouds and Weather
5. Project: Clouds and Rain*
6. Air Masses and Fronts
7. Quiz 1: Weather Factors of the Sky
8. Solar Power
9. Project: Control the Weather*
10. Geographical Effects
11. Climate Regulation and Change
12. Project: Research Your Climate
13. Quiz 2: Causes of Weather and Climate
14. Weird Weather
15. Measuring Weather
16. Project: Predict the Weather
17. Quiz 3: Predicting Weather
18. Special Project*
19. Review
20. Test
21. Alternate Test*
22. Glossary and Credits

Earth Science

## Unit 9: Astronomy

**Assignments**

1. Earth's Place in the Solar System
2. Project: Scale of the Solar System
3. Planetary Motion
4. Ability to Orbit
5. Project: Newton's Law
6. Earth's Motion, Seasons, and Moon
7. Quiz 1: Solar System
8. Characteristics of Stars
9. Structure of the Sun
10. Galaxies
11. Project: Identifying Galaxies
12. Quiz 2: Stars and Galaxies
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

Earth Science

## Unit 10: Semester Review and Exam

**Assignments**

1. Review (1)
2. Review (2)
3. Exam
4. Alternate Exam*

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# Essentials of Business

This semester-long course is an introduction to the goals, processes, and operations of business enterprises for students. The main focus is on the functions that a company – whether a multinational corporation or a corner grocery store – must manage effectively to be successful. These include accounting, finance, human resource management, marketing, operations management, and strategic planning. Attention is also given to the legal environment in which businesses operate, and the importance of business ethics and corporate citizenship.

Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes.

Upon completion of the course, students should be able to do the following:

- Apply business concepts to their lives
- Compare and contrast market economies with controlled economy
- Describe the six areas of human resource management
- List and define the legal forms of business ownership
- Name and describe the components of successful business communication
- Analyze ways in which technology is changing business operations

Essentials of Business

**Unit 1: Essentials of Business**

**Assignments**

1. Course Overview
2. Principles of Training
3. Your Role in Business
4. Project: Your Role in the Business
5. Business Career Choices
6. Project: Business Career Choices
7. Selling Yourself
8. Project: Selling Yourself
9. Market-Based Economy
10. Business Economics Wants vs. Needs
11. Unlimited Wants vs. Limited Resources
12. Project: Unlimited Wants vs Limited Resources
13. Human Resources
14. Marketing and Advertising
15. Project: Marketing and Advertising
16. Sales Techniques and Careers
17. Project: Sales Techniques and Careers
18. Business Structures
19. Management
20. Finance Options, Credit Use, and Banking
21. Project: Finance Options, Credit Use, and Banking
22. Recordkeeping Money and Asset Management
23. Consumer Rights
24. Project: Consumer Rights
25. Business Leadership Skills
26. Project: Business Leadership Skills
27. Group Dynamics in the Business Setting
28. Team-Building Skills in Business
29. Business Ethics
30. Project: Business Ethics
31. Business Etiquette
32. Methods of Business Communication
33. Verbal and Nonverbal Business Communication
34. Business Letters and Memos
35. Project: Business Letters and Memos
36. Business Presentations and Delivery
37. Business Technology
38. Use of Technology in Business
39. Project: Use of Technology in Business
40. Channels of Business Communication
41. Role of Future Business Leaders of America
42. Project: Role of Future Business Leaders of America
43. Glossary and Credits

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# Essentials of Communication

Essentials of Communication: A Guide to Interacting Effectively in Today's World™ is a five-unit elective course for high school students. The materials cover fundamentals of the communication process important for successful interaction in a variety of social and professional settings. Students can use the course to gain and apply knowledge about communication theories, characteristics of language and language use, interpersonal relationships, group dynamics, and public speaking in order to interact more effectively with others.

The course seeks to help students expand their knowledge and skills as communicators so that they may achieve the following goals:

- Know and understand aspects of communication theories and processes appropriate to both social and professional settings.
- Use interpersonal communication strategies appropriately in social and professional settings.
- Effectively communicate in social and professional group settings.
- Plan, prepare, deliver, and evaluate formal and informal personal and professional presentations.

In attaining these goals, students will be better equipped to use communication to hone other life skills, including exchanging information, fulfilling social obligations, developing relationships, and understanding and meeting the needs of others.

Essentials of Communication

**Unit 1: Communication Foundations**

**Assignments**

1. Course Overview
2. Introduction to Communication
3. Types of Communication
4. Project: Communication Log
5. The Importance of Communication
6. Project: Reflection*
7. Becoming a Competent Communicator
8. Project: Evaluating Communication Competence
9. Project: Ethical Principles of Communication*
10. Quiz 1: Discovering the Foundations of Effective Communication
11. Introduction to Perception
12. Project: Three Stages of Perception*
13. Influences on Perception
14. Project: Overcoming Perception Influences*
15. Perception and Communication Competence
16. Project: Perception Checking
17. Quiz 2: Perception and Communication
18. Self and Communication
19. Project: Looking Inward*
20. Self-Concept and Competent Communication
21. Project: Changing Your Self-Concept*
22. Self-Disclosure
23. Quiz 3: Self and Communication
24. Special Project*
25. Review
26. Test
27. Alternate Test*
28. Glossary and Credits

Essentials of Communication

**Unit 2: Language Characteristics**

**Assignments**

1. The Nature of Language
2. Language in Social Settings
3. Project: Recognizing In-Language*
4. The Functions of Language
5. Project: Using Responsible Language
6. Quiz 1: Language
7. Nonverbal Communication
8. Project: Recognizing Nonverbal Behavior
9. The Functions of Nonverbal Communication
10. Types of Nonverbal Communication
11. Project: Ethics and Impressions
12. Competent Nonverbal Communication
13. Project: Observing Nonverbal Communication
14. Quiz 2: Nonverbal Communication
15. The Listening Process
16. Listening Styles
17. Project: Using Listening Styles
18. Listening Barriers
19. Project: Listening Strategies
20. Quiz 3: Listening
21. Special Project*
22. Review
23. Test
24. Alternate Test*
25. Glossary and Credits

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Essentials of Communication

## Unit 3: Interpersonal Relationships

**Assignments**

1. Types of Interpersonal Relationships
2. Relationship Stages
3. Project: Applying Knapp's Relational Model
4. Fluctuations in Relationship Development
5. Quiz 1: Interpersonal Relationships
6. Conversation
7. Project: Are You a Good Conversationalist?*
8. Conversation Management
9. Project: Practicing Cues
10. The Basics of Conversational Competence
11. Quiz 2: Interpersonal Communication: Conversation
12. Etiquette for Introductions
13. Project: Introductions
14. Telephone Etiquette
15. E-mail Etiquette
16. Criticism
17. Project: Expressing Yourself Politely*
18. Quiz 3: Etiquette for Interpersonal Communication
19. Interviewing
20. Preparing for an Interview
21. Project: Preparing for a Job Interview*
22. Quiz 4: Interviewing
23. Special Project*
24. Review
25. Test
26. Alternate Test*
27. Glossary and Credits

Essentials of Communication

## Unit 4: Understanding Groups

**Assignments**

1. The Small Group
2. Small Group Types and Formats
3. Project: Brainstorming
4. Organizations
5. Quiz 1: Group Communication
6. Factors Affecting Group Dynamics
7. Individual Competence in Groups
8. Problem Solving in Groups
9. Quiz 2: Group Dynamics
10. Leadership Styles
11. Project: Identifying Leadership Styles
12. Leadership Functions
13. Project: Evaluating Group Effectiveness
14. Quiz 3: Group Leadership and Evaluation
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

Essentials of Communication

## Unit 5: Presenting and Interpreting Public Messages

**Assignments**

1. Determining the Purpose and Choosing a Topic
2. Project: Defining Topic and Purpose
3. Project: Developing a Thesis Statement
4. Defining Your Audience
5. Project: Defining Your Audience
6. Project: Developing a Preliminary Outline
7. Quiz 1: Preparing Speeches
8. Research
9. Project: Conducting Research
10. Supporting Materials
11. Presenting the Topic Visually
12. Project: Revising and Expanding the Outline
13. Quiz 2: Supporting Speeches
14. Selecting an Organizational Pattern
15. Outlining a Speech
16. Project: Developing Your Outline
17. Preparing Your Notes and Cues
18. Project: Developing Speaking Notes
19. Quiz 3: Organizing Speeches
20. Preparing to Deliver a Speech
21. Project: Rehearsing Your Speech
22. Dealing with Apprehension
23. Delivering Group Presentations and Evaluating Speeches
24. Project: Delivering and Evaluating Your Speech
25. Quiz 4: Delivering and Evaluating Speeches
26. Special Project*
27. Review
28. Test
29. Alternate Test*
30. Glossary and Credits

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## Unit 6: Course Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam*

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# Family and Consumer Science

Family and Consumer Science is a 10-unit elective that uses biblical principles to help high school students develop positive self-esteem and learn to successfully navigate relationships with family, friends, co-workers, and even those in the marketplace. The curriculum introduces students to character and appearance from a biblical perspective. The material also teaches about nutrition, clothing styles, home care and hospitality, personal finance, and child development and care.

Through this course, students will do the following:

- Examine specific principles that will help develop their personal lives from a Christian perspective.
- Learn about proper nutrition and demonstrate skill in preparing various food items.
- Identify the purposes for making specific choices in clothes.
- Prepare weekly and monthly budgets.
- Develop skills necessary to care for children ranging from birth to young school-age.
- Develop an understanding of relational dynamics with family members, friends, classmates, co-workers, and those encountered in the marketplace.

Family and Consumer Science

**Unit 1: Christian Character and Appearance**

**Assignments**

1. Course Overview
2. Inner Beauty: Character Qualities
3. Biblical Principles vs. Personal Preferences
4. Personality Strengths and Weaknesses
5. Project: Identify Your Strengths and Weaknesses
6. Quiz 1
7. Physical Beauty: Health
8. Project: Self-Evaluation Quiz
9. Nutrition and Exercise
10. Hygiene
11. Grooming
12. Project: Posture
13. Quiz 2
14. Behavioral Beauty: Actions
15. Communication
16. Quiz 3
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

Family and Consumer Science

**Unit 2: What's Cookin'?**

**Assignments**

1. Getting Acquainted with the Kitchen
2. Utensils
3. Project: Kitchen Tools*
4. Kitchen Safety
5. Quiz 1
6. Recipes
7. Measuring Ingredients
8. Quiz 2
9. Meal Management
10. Reading Labels
11. Food Storage
12. Quiz 3
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

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Family and Consumer Science

## Unit 3: Let's Eat

**Assignments**

1. Nutrition
2. Vitamins
3. Project: Nutrient Guide
4. My Plate
5. Heart Healthy Eating and Special Diets
6. Quiz 1
7. Food Preparation
8. Vegetables
9. Fruits and Milk
10. Meat, Poultry, Fish
11. Project: Beef or Vegetable Stew
12. Soups, Salads, and Garnishes
13. Project: Prepare a Salad or Soup*
14. Baking
15. Project: Cookies
16. Project: Scratch Cake*
17. Project: Bake a Pie*
18. Breads
19. Project: Bake Bread*
20. Quiz 2
21. Meal Planning
22. Project: Menu for a Week
23. Making a Grocery List
24. Quiz 3
25. Food Service
26. Table Setting
27. Table Waiting
28. Project: Plan Meals
29. Quiz 4
30. Special Project*
31. Test
32. Alternate Test*
33. Reference

Family and Consumer Science

## Unit 4: The Clothes You Wear

**Assignments**

1. The Clothes You Wear
2. Fashion Knowledge
3. Project: Style, Fad, and Fashion
4. Project: Draped, Tailored, Composite*
5. Clothing Business Terms
6. Project: Wardrobe Inventory
7. Quiz 1
8. Design and Appearance
9. Garment Styles and Parts
10. Clothes for You
11. Project: Garment Design*
12. Quiz 2
13. Textiles and Fabrics
14. Man-Made Fibers
15. Quiz 3
16. Care of Clothes
17. Project: Sewing Skills*
18. Emergency Repairs
19. Laundering
20. Quiz 4
21. Special Project*
22. Test
23. Alternate Test*
24. Reference

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Family and Consumer Science

## Unit 5: The Clothes You Sew

**Assignments**

1. Sewing Equipment
2. Sewing Machines
3. Safety
4. Project: Calamity Claire
5. Quiz 1
6. Basic Sewing
7. Project: Sewing Seams
8. Machine Stitches
9. Project: Sewing Stitches by Machine
10. Seams and Seam Finishes
11. Project: Sewing Curved Seams*
12. Darts, Tucks, Pleats, Gatherings, and Facings
13. Project: Darts*
14. Closures
15. Project: Zippers
16. Quiz 2
17. Selecting Pattern, Fabric, and Notions
18. Project: Measuring for Fit*
19. The Language of Patterns
20. Pattern
21. Quiz 3
22. Layout, Cutting, Marking, and Pressing
23. Project: Tracing Patterns
24. Project: Sewing Project
25. Quiz 4
26. Special Project*
27. Test
28. Alternate Test*
29. Reference

Family and Consumer Science

## Unit 6: Interior Decorating

**Assignments**

1. A Brief History of Interior Decoration
2. English Design
3. Traditional American Design
4. Project: Time Periods
5. Quiz 1
6. Introduction to Design and Decoration
7. Line
8. Project: Floor Plan Measurements
9. Project: Furniture Placement
10. Project: Room Design
11. Project: Spirit of the Room
12. Quiz 2
13. Specific Treatments
14. Wall Treatments
15. Lighting
16. Quiz 3
17. Visual Enrichment
18. Project: Model Home Field Trip*
19. Project: Design Notebook
20. Sewing for the Home
21. Project: Pillow Project*
22. Quiz 4
23. Special Project*
24. Test
25. Alternate Test*
26. Reference

Family and Consumer Science

## Unit 7: Your Home and You

**Assignments**

1. Hospitality
2. Types of Entertainment
3. Project: Party Planning
4. Overnight Guests
5. Project: Thank You Notes
6. Quiz 1
7. Etiquette
8. Dating Etiquette
9. Quiz 2
10. Home Management
11. Project: Cleaning Schedule
12. Basic Tools
13. Project: Home Repair
14. Auto Care and Repair
15. Project: Auto Service Check*
16. Quiz 3
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

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## Unit 8: Financial Freedom

**Assignments**

1. Getting a Job
2. Project: Application
3. The Résumé
4. Quiz 1
5. Personal Finance
6. Personal Banking and Investment
7. Personal Budgeting
8. Project: Financial Goals
9. Project: Spending Patterns
10. Social Security
11. Project: Purchase Agreements
12. Insurance and Income Tax
13. Quiz 2
14. Legal Matters, Forms, and Contracts
15. Purchasing and Owning a Car
16. Quiz 3
17. Special Project*
18. Test
19. Alternate Test*
20. Reference

Family and Consumer Science

## Unit 9: Child Development and Care

**Assignments**

1. Ages and Stages
2. Intellect (Wisdom)
3. Social, Emotional, and Spiritual
4. Project: Observing Children
5. Quiz 1
6. Care of Children
7. Project: Diaper Changing*
8. Creative Child Care
9. Activities
10. Project: Toy Evaluation
11. Project: Making a Toy
12. Literature
13. Project: Children's Story
14. Music
15. Project: Finger Painting
16. Science
17. Quiz 2
18. Safety and First Aid
19. Three Common Children's Conditions
20. Quiz 3
21. The Business of Babysitting
22. Information You Need
23. Quiz 4
24. Special Project*
25. Test
26. Alternate Test*
27. Reference

Family and Consumer Science

## Unit 10: Relationships

**Assignments**

1. At Home
2. Siblings
3. Quiz 1
4. At School and Work
5. Teachers
6. Boss and Co-Workers
7. Project: Random Act of Kindness*
8. Project: Food for Thought
9. Quiz 2
10. At Church
11. The Family's Responsibility to the Church
12. Quiz 3
14. Quiz 4
15. Choosing the Right Mate
16. Project: Psalm 37:4
17. Dating
18. Marriage
19. Project: Short Essay
20. Parental Involvement
21. Quiz 5
22. Special Project*
23. Test
24. Alternate Test*
25. Reference

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# Foundations for Living

Foundations for Living is an elective for high school students. Designed specifically with 11th and 12th graders in mind, Foundations for Living provides a Bible-based, sequential development of a Christian worldview through the use of fundamental truths from the Bible and the application of biblical principles to the various areas of contemporary life. The course aims to pull all of a student's education together into a unified whole, preparing them for their new adventures beyond high school in the home, church, college, and society.

Throughout this course, students will build the skills and knowledge needed to in order to do the following:

- Understand the unique identity of the Christian worldview.
- Observe how all truth properly fits together into the Christian worldview.
- Discern the difference between Christian and non-Christian worldviews.
- Think and live with discernment and conviction.
- Recognize how the world's philosophies of the past affect contemporary thinking and living.
- Judge and assess any issue using a biblical model.

Foundations for Living

**Unit 1: What is a Biblical Worldview?**

**Assignments**

1. Course Overview
2. Introduction to Worldview
3. Ancient Greek Worldview: Government
4. Ancient Greek Worldview: Religion
5. Ancient Greek Worldview: Philosophy
6. Quiz 1: The Ancient Greek Worldview
7. Ancient Hebrew Worldview: Religion
8. Ancient Hebrew Worldview: Government
9. Ancient Hebrew Worldview: Theology
10. Project: Promises of God*
11. Quiz 2: The Ancient Hebrew Worldview
12. Conflicting Worldviews
13. Dualism
14. Quiz 3: Conflicting Worldviews
15. Special Project*
16. Test: What is a Biblical Worldview?
17. Alternate Test: What is a Biblical Worldview?*
18. Reference

Foundations for Living

**Unit 2: Presuppositions**

**Assignments**

1. Assumptions and Presuppositions: Introduction
2. Assumptions and Presuppositions: Communication Difficulties
3. Moral Relativism
4. Moral Absolutism
5. Quiz 1: Assumptions and Presuppositions
6. The Basis for Truth
7. The Basis for Morality
8. God's Communication of His Standards to Us
9. Understanding Repentance and God's Grace
10. The Relationship of Law and Grace
11. Quiz 2: Truth and Morality
12. Special Project*
13. Test: Presuppositions
14. Alternate Test: Presuppositions*
15. Reference

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Foundations for Living

## Unit 3: The Doctrines of the Bible

**Assignments**

1. The Doctrines of the Bible
2. Different View of Inspiration
3. Scriptural Support for Plenary Inspiration
4. Quiz 1: The Inspiration of Scripture
5. God's Natural Attributes
6. God's Moral Attributes
7. Quiz 2: The Attributes of God
8. The Inerrancy of Scripture
9. The Infallibility of Scripture
10. The Authority of Scripture
11. The All-Sufficiency of Scripture
12. The Illumination of the Holy Spirit
13. Quiz 3: The Authority of God's Word
14. Special Project*
15. Test: The Doctrines of the Bible
16. Alternate Test: The Doctrines of the Bible*
17. Reference

Foundations for Living

## Unit 4: God's Creation

**Assignments**

1. Who Owns the World?
2. God's Providential Control Over the World
3. What is Man?
4. The Attributes of God and Man
5. Quiz 1: The Sovereignty of the Creator
6. Loving God and Loving Others
7. The Sanctity of Human Life
8. People with a Purpose
9. The Great Commission
10. Fulfilling the Great Commission
11. Quiz 2: The Sanctity and Purpose of Human Life
12. Special Project*
13. Test: God's Creation
14. Alternate Test: God's Creation*
15. Reference

Foundations for Living

## Unit 5: Head of the Family

**Assignments**

1. A Special Relationship with God
2. The Fatherhood of God - Part 1
3. The Fatherhood of God - Part 2
4. Quiz 1: Head of the Family
5. Loving Leadership
6. Characteristics of a Godly Man - Part 1
7. Characteristics of a Godly Man - Part 2
8. Quiz 2: Head of the Family
9. Special Project*
10. Test: Head of the Family
11. Alternate Test: Head of the Family*
12. Reference

Foundations for Living

## Unit 6: The Bible and Marriage

**Assignments**

1. Necessary Ingredients for a Successful Marriage
2. An Essential Foundation for a Successful Christian Marriage
3. Additional Factors to Consider for a Successful Christian Marriage
4. Quiz 1:The Successful Christian Family
5. The Role of Husbands and Wives in a Christian Home
6. The Role of Children in a Christian Home
7. Quiz 2: Roles of Family Members
8. Role Conflicts in Our Culture
9. Learned Behavior Problems in the Family
10. Quiz 3: Role Conflicts in Our Culture
11. Special Project*
12. Test: The Bible and Marriage
13. Alternate Test: The Bible and Marriage*
14. Reference

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## Unit 7: Dating to Matrimony

**Assignments**

1. Recreational Dating
2. Dating Practices from Bible Times to Modern Times
3. Negative Tendencies in Dating
4. Recreational Dating and the Christian Response
5. Quiz 1: Dating vs. Courtship
6. Making a Commitment
7. Lessons from a Wedding Ceremony
8. Quiz 2: Making a Commitment
9. The Engagement Period
10. Resolving Conflicts
11. Quiz 3: The Engagement
12. Special Project*
13. Test: Dating and Matrimony
14. Alternate Test: Dating and Matrimony*
15. Reference

Foundations for Living

## Unit 8: Christian Education

**Assignments**

1. Created to Learn
2. Created to Teach
3. The Foundation of all Education
4. General Revelation
5. Special Revelation
6. Quiz 1: Created to Learn
7. Filtering Facts
8. Learning in and from Our Environment
9. Application of Truth
10. Quiz 2: Filtering Facts and Applying the Truth
11. Special Project*
12. Test: Christian Education
13. Alternate Test: Christian Education*
14. Reference

Foundations for Living

## Unit 9: Art, Music, and Politics

**Assignments**

1. A Christian Worldview in the Arts
2. Christian Art through History
3. Music, a Gift from God
4. The Art Form of Literature
5. Quiz 1: A Christian Worldview in the Arts
6. Civil Government
7. The Concerns and Strategies of Politics
8. Christian Involvement in Politics
9. Quiz 2: A Christian Worldview in Politics
10. Special Project*
11. Test: Art, Music, and Politics
12. Alternate Test: Art, Music, and Politics*
13. Reference

Foundations for Living

## Unit 10: Putting it All Together

**Assignments**

1. Biblical Faith
2. Biblical Eyes
3. Biblical Strategies and their Application
4. Quiz 1: Applying a Biblical Worldview
5. Unit 1 Review: What is a Biblical Worldview?
6. Unit 2 Review: Assumptions and Presuppositions
7. Unit 3 Review: The Doctrines of the Bible
8. Unit 4 Review: God's Creation
9. Unit 5 Review: Head of the Family
10. Unit 6 Review: The Bible and Marriage
11. Unit 7 Review: Dating to Matrimony
12. Unit 8 Review: Christian Education
13. Unit 9 Review: Art, Music, and Politics
14. Quiz 2: Review
15. Special Project*
16. Test: Putting it All Together
17. Alternate Test: Putting it All Together*
18. Reference

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# French I

In French 1, students begin to develop competence in four basic skill areas: listening, speaking, reading, and writing. While developing communicative competence in French, students gain and expand their knowledge of francophone countries and cultures.

Emphasis is placed on learning the present tense, the near future and the past tense in French I through thematically designed units. Topics include home, school, family, holidays, and daily and leisure activities.

Students develop the ability to:

- greet and respond to greetings
- introduce and respond to introductions
- engage in conversations on several themes
- express likes and dislikes
- make requests
- obtain information
- understand some ideas and familiar details
- begin to provide information.

By the end of French I, students will:

- communicate minimally by using short sentences, learned words and phrases, and simple questions and commands when speaking and writing.
- understand some ideas and familiar details presented in clear, uncomplicated speech when listening.
- understand short texts enhanced by visual clues when reading.

French I

| Unit 1: Bienvenue | |
|---|---|
| **Assignments** | |
| 1. Course Overview | 1. Course Overview |
| 2. Bienvenue au monde francophone | 2. Welcome to the Francophone World |
| 3. Les salutations | 3. Greetings |
| 4. L'alphabet et les accents | 4. Alphabet and Accents |
| 5. Les nombres de 0 à 60 | 5. Numbers from 0 to 60 |
| 6. Interrogation 1 : Les présentations | 6. Quiz 1: Introductions |
| 7. Interrogation alternative – Version A : Les présentations* | 7. Alternate Quiz - Form A: Introductions* |
| 8. Interrogation alternative – Version B : Les présentations* | 8. Alternate Quiz - Form B: Introductions* |
| 9. Un pays divers | 9. A Diverse Country |
| 10. Etre: To Be or Not to Be | 10. Être: To Be or Not to Be |
| 11. D'où es-tu ? | 11. Where Are You From? |
| 12. Masculin ou féminin | 12. Masculine or Feminine |
| 13. Un autoportrait | 13. A Self-Portrait |
| 14. Interrogation 2 : Les descriptions | 14. Quiz 2: Descriptions |
| 15. Interrogation alternative - Version A : Les descriptions* | 15. Alternate Quiz - Form A: Descriptions* |
| 16. Interrogation alternative - Version B : Les descriptions* | 16. Alternate Quiz - Form B: Descriptions* |
| 17. Dossier : le monde francophone | 17. Project: The Francophone World |
| 18. Dossier spécial* | 18. Special Project* |
| 19. Révision | 19. Review |
| 20. Contrôle : Bienvenue | 20. Test: Welcome |
| 21. Contrôle alternatif - Version A : Bienvenue* | 21. Alternate Test – Form A: Welcome* |
| 22. Contrôle alternatif - Version B : Bienvenue* | 22. Alternate Test – Form B: Welcome* |
| 23. Glossaire et références | 23. Glossary and Credits |

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French I

## Unit 2: Au Lycée

| Assignments | |
|---|---|
| 1. En classe | 1. In the Classroom |
| 2. Avoir | 2. To Have |
| 3. Les expressions avec avoir | 3. Expressions with to Have |
| 4. Les expressions utilisées à l'école | 4. School Expressions |
| 5. Interrogation 1 : En classe | 5. Quiz 1: In Class |
| 6. Interrogation alternative - Version A : En classe* | 6. Alternate Quiz - Form A: In Class* |
| 7. Interrogation alternative - Version B : En classe* | 7. Alternate Quiz - Form B: In Class* |
| 8. Le système éducatif en France | 8. The Educational System in France |
| 9. Les matières | 9. School Subjects |
| 10. Les verbes -er | 10. -Er Verbs |
| 11. La construction infinitive | 11. Infinitive Construction |
| 12. Les structures interrogatives | 12. Interrogative Structures |
| 13. Interrogation 2 : Au lycée en France | 13. Quiz 2: High School in France |
| 14. Interrogation alternative - Version A : Au lycée en France* | 14. Alternate Quiz - Form A: High School in France* |
| 15. Interrogation alternative - Version B : Au lycée en France* | 15. Alternate Quiz - Form B: High School in France* |
| 16. Emploi du temps | 16. Schedule |
| 17. Quelle heure est-il ? | 17. What Time Is It? |
| 18. Quelle est la date d'aujourd'hui ? | 18. What Is the Date Today? |
| 19. Les chiffres de 60 à 100 | 19. Numbers from 60 to 100 |
| 20. Dossier : Ton emploi de temps | 20. Project: Your Schedule |
| 21. Interrogation 3 : La date et l'horaire | 21. Quiz 3: Date and Time |
| 22. Interrogation alternative - Version A : La date et l'horaire* | 22. Alternate Quiz - Form A: Date and Time* |
| 23. Interrogation alternative - Version B : La date et l'horaire* | 23. Alternate Quiz - Form B: Date and Time* |
| 24. Dossier spécial* | 24. Special Project* |
| 25. Révision | 25. Review |
| 26. Contrôle : Au lycée | 26. Test: At High School |
| 27. Contrôle alternatif - Version A : Au lycée* | 27. Alternate Test – Form A: At High School* |
| 28. Contrôle alternatif - Version B : Au lycée* | 28. Alternate Test – Form B: At High School* |
| 29. Glossaire et références | 29. Glossary and Credits |

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French I

| Unit 3: La Famille et les Amis | |
|---|---|
| **Assignments** | |
| 1. Les structures familiales en France | 1. Familial Structures in France |
| 2. La famille | 2. Family |
| 3. Les adjectifs possessifs | 3. Possessive Adjectives |
| 4. L'apparence physique | 4. Physical Appearance |
| 5. Les expressions interrogatives | 5. Interrogative Expressions |
| 6. Dossier : Votre arbre généalogique | 6. Project: Your Family Tree |
| 7. Interrogation 1 : La famille | 7. Quiz 1: Family |
| 8. Interrogation alternative - Version A : La famille* | 8. Alternate Quiz - Version A: Family* |
| 9. Interrogation alternative - Version B : La famille* | 9. Alternate Quiz - Version B: Family* |
| 10. L'amitié | 10. Friendship |
| 11. Les adjectifs | 11. Adjectives |
| 12. Les adjectifs irréguliers | 12. Irregular Adjectives |
| 13. Les adjectifs qui précèdent le nom | 13. Adjectives That Precede the Noun |
| 14. Dossier : Un ami idéal | 14. Project: An Ideal Friend |
| 15. Interrogation 2 : Les amis | 15. Quiz 2: Friends |
| 16. Interrogation alternative - Version A : Les amis* | 16. Alternate Quiz - Version A: Friends* |
| 17. Interrogation alternative - Version B : Les amis* | 17. Alternate Quiz - Version A: Friends* |
| 18. Dossier spécial* | 18. Special Project* |
| 19. Révision | 19. Review |
| 20. Contrôle : La famille et les amis | 20. Test:: Family and Friends |
| 21. Contrôle alternatif - Version A : La famille et les amis* | 21. Alternate Test – Form A: Family and Friends* |
| 22. Contrôle alternatif - Version B : La famille et les amis* | 22. Alternate Test – Form B: Family and Friends* |
| 23. Glossaire et références | 23. Glossary and Credits |

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French I

| Unit 4: Les Loisirs et les Sports | |
|---|---|
| **Assignments** | |
| 1. Les loisirs en France | 1. Leisure Activities in France |
| 2. Les passe-temps | 2. Hobbies |
| 3. Faire | 3. To Do or to Make |
| 4. Les verbes et les adverbes | 4. Verbs and Adverbs |
| 5. Dossier : Un correspondant français | 5. Project: A French Correspondent |
| 6. Interrogation 1 : Les loisirs | 6. Quiz 1: Leisure Activities |
| 7. Interrogation alternative - Version A : Les loisirs* | 7. Alternate Quiz - Form A: Leisure Activities* |
| 8. Interrogation alternative - Version B : Les loisirs* | 8. Alternate Quiz - Form B: Leisure Activities* |
| 9. Les sports en France | 9. Sports in France |
| 10. Les sports | 10. Sports |
| 11. Plus d'adverbes | 11. More Adverbs |
| 12. Provence-Alpes-Côte d'Azur | 12. Provence-Alps-French Riviera |
| 13. Dossier : les jeux Olympiques | 13. Project: The Olympic Games |
| 14. Interrogation 2 : Les sports | 14. Quiz 2: Sports |
| 15. Interrogation alternative - Version A : Les sports* | 15. Alternate Quiz - Version A: Sports* |
| 16. Interrogation alternative - Version B : Les sports* | 16. Alternate Quiz - Version B: Sports* |
| 17. Le temps | 17. Weather |
| 18. Les saisons | 18. Seasons |
| 19. Dossier : Une prévision météorologique | 19. Project: A Weather Forecast |
| 20. Interrogation 3 : La météo | 20. Quiz 3: Weather |
| 21. Interrogation alternative - Version A : La météo* | 21. Alternate Quiz - Version A: Weather* |
| 22. Interrogation alternative - Version B : La météo* | 22. Alternate Quiz - Version B: Weather* |
| 23. Dossier spécial* | 23. Special Project* |
| 24. Révision | 24. Review |
| 25. Contrôle : Les loisirs et les sports | 25. Test: Hobbies and Sports |
| 26. Contrôle alternatif - Version A : Les loisirs et les sports* | 26. Alternate Test – Form A: Hobbies and Sports* |
| 27. Contrôle alternatif - Version B : Les loisirs et les sports* | 27. Alternate Test – Form B: Hobbies and Sports* |
| 28. Glossaire et références | 28. Glossary and Credits |

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French I

## Unit 5: Les Fêtes tt les Traditions

| Assignments | |
|---|---|
| 1. Noël en France | 1. Christmas in France |
| 2. Les fêtes en France | 2. Holidays in France |
| 3. Faisons la fête ! | 3. Let's Celebrate! |
| 4. Les chiffres à partir de 100 | 4. Numbers Larger than 100 |
| 5. Le carnaval | 5. Carnival |
| 6. Dossier: Une fête en France | 6. Project: A French Holiday |
| 7. Interrogation 1 : Les fêtes | 7. Quiz 1: Holidays |
| 8. Interrogation alternative - Version A : Les fêtes* | 8. Alternate Quiz - Form A: Holidays* |
| 9. Interrogation alternative - Version B : Les fêtes* | 9. Alternate Quiz - Form B: Holidays* |
| 10. La fête nationale de la France | 10. France's National Holiday |
| 11. Dossier: Les fêtes nationales | 11. Project: National Holidays |
| 12. Joyeux anniversaire ! | 12. Happy Birthday! |
| 13. Les invitations | 13. Invitations |
| 14. Les verbes qui changent d'orthographe | 14. Stem-changing Verbs |
| 15. Interrogation 2 : Les anniversaires | 15. Quiz 2: Birthdays |
| 16. Interrogation alternative - Version A : Les Anniversaires* | 16. Alternate Quiz - Form A: Birthdays* |
| 17. Interrogation alternative - Version B: Les anniversaires* | 17. Alternate Quiz - Form B: Birthdays* |
| 18. Les périodes de la vie | 18. Stages of Life |
| 19. Les couleurs | 19. Colors |
| 20. Les pronoms complément d'objet direct | 20. Direct-Object Pronouns |
| 21. Interrogation 3 : La vie | 21. Quiz 3: Life |
| 22. Interrogation alternative - Version A : La vie* | 22. Alternate Quiz - Form A: Life* |
| 23. Interrogation alternative - Version B : La vie* | 23. Alternate Quiz - Form B: Life* |
| 24. Dossier spécial* | 24. Special Project* |
| 25. Révison | 25. Review |
| 26. Contrôle : Les fêtes et les traditions | 26. Test: Holidays and Traditions |
| 27. Contrôle alternatif - Version A : Les fêtes et les traditions* | 27. Alternate Test – Form A: Holidays and Traditions* |
| 28. Contrôle alternatif - Version B : Les fêtes et les traditions* | 28. Alternate Test – Form B: Holidays and Traditions* |
| 29. Glossaire et références | 29. Glossary and Credits |

French I

## Unit 6: Révision et Contrôle Semestriel

| Assignments | |
|---|---|
| 1. Révision | 1. Review |
| 2. Contrôle semestriel | 2. Exam |
| 3. Contrôle semestriel - Version A* | 3. Alternate Exam – Form A* |
| 4. Contrôle semestriel - Version B* | 4. Alternate Exam – Form B* |

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French I

| Unit 7: En Ville | |
|---|---|
| **Assignments** | |
| 1. Visitons la ville | 1. Let's Visit the City |
| 2. Aller | 2. To Go |
| 3. Les prépositions de lieu | 3. Prepositions of Place |
| 4. La Bretagne | 4. Brittany |
| 5. Dossier : Mon quartier | 5. Project: My Neighborhood |
| 6. Interrogation 1: La vie en ville | 6. Quiz 1: Life in the City |
| 7. Interrogation alternative - Version A : La vie en ville* | 7. Alternate Quiz - Form A: Life in the City* |
| 8. Interrogation alternative - Version B : La vie en ville* | 8. Alternate Quiz - Form B: Life in the City* |
| 9. Paris | 9. Paris |
| 10. Les nombres ordinaux | 10. Ordinal Numbers |
| 11. Les moyens de transport | 11. Transportation |
| 12. Les verbes réguliers en -re | 12. Regular -re Verbs |
| 13. Les verbes irréguliers en -re | 13. Irregular -re Verbs |
| 14. Dossier : L'itineraire pour mon voyage à Paris | 14. Project: The Itinerary for My Trip to Paris |
| 15. Interrogation 2: La ville des lumières | 15. Quiz 2: The City of Lights |
| 16. Interrogation alternative - Version A : La ville des lumières* | 16. Alternate Quiz - Form A: The City of Lights* |
| 17. Interrogation alternative - Version B : La ville des lumières* | 17. Alternate Quiz - Form B: The City of Lights* |
| 18. Dossier spécia* | 18. Special Project* |
| 19. Révision | 19. Review |
| 20. Contrôle : En ville | 20. Test: In the City |
| 21. Contrôle alternatif - Version A : En ville* | 21. Alternate Test – Form A: In the City* |
| 22. Contrôle alternatif - Version B : En ville* | 22. Alternate Test – Form B: In the City* |
| 23. Glossaire et références | 23. Glossary and Credits |

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French I

## Unit 8: Bon Appétit

| Assignments | |
|---|---|
| 1. Les repas français | 1. French Meals |
| 2. Faire les courses | 2. Grocery Shopping |
| 3. Les verbes réguliers en -ir | 3. Regular -ir Verbs |
| 4. Les verbes irréguliers en -ir | 4. Irregular -ir Verbs |
| 5. Interrogation 1: La nourriture | 5. Quiz 1: Food |
| 6. Interrogation alternative - Version A : La nourriture* | 6. Alternate Quiz - Version A: Food* |
| 7. Interrogation alternative - Version B : La nourriture* | 7. Alternate Quiz - Version B: Food* |
| 8. Au café | 8. At the Café |
| 9. L'article partitif | 9. The Partitive Article |
| 10. Les expressions de quantité | 10. Expressions of Quantity |
| 11. Dossier : Recette de crêpes | 11. Project: Crepe Recipe |
| 12. Interrogation 2:La nourriture et les quantités | 12. Quiz 2: Food and Quantities |
| 13. Interrogation alternative - Version A : La nourriture et les quantités* | 13. Alternate Quiz - Version A: Food and Quantities* |
| 14. Interrogation alternative - Version B : La nourriture et les quantités* | 14. Alternate Quiz - Version B: Food and Quantities* |
| 15. À table | 15. At the Table |
| 16. Au restaurant | 16. At the Restaurant |
| 17. Dossier : Au restaurant | 17. Project: At the Restaurant |
| 18. La cuisine française | 18. French Cuisine |
| 19. Interrogation 3: La cuisine française | 19. Quiz 3: French Cuisine |
| 20. Interrogation alternative - Version A : La cuisine Française* | 20. Alternate Quiz - Version A: French Cuisine* |
| 21. Interrogation alternative - Version B : La cuisine française* | 21. Alternate Quiz - Version B: French Cuisine* |
| 22. Dossier spécial* | 22. Special Project* |
| 23. Révision | 23. Review |
| 24. Contrôle : Bon appétit | 24. Test: Bon Appetite |
| 25. Contrôle alternatif - Version A : Bon appétit* | 25. Alternate Test – Form A: Bon Appetite* |
| 26. Contrôle alternatif - Version B : Bon appétit* | 26. Alternate Test – Form B: Bon Appetite* |
| 27. Glossaire et références | 27. Glossary and Credits |

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French I

| Unit 9: La Vie Quotidienne | |
|---|---|
| **Assignments** | |
| 1. Les vêtements et les couleurs | 1. Clothes and Colors |
| 2. En solde | 2. On Sale |
| 3. Mettre | 3. To Place, to Put On |
| 4. Faisons du shopping | 4. Let's Go Shopping |
| 5. Dossier : Un défilé de mode | 5. Project: A Fashion Show |
| 6. Le look en France | 6. The Look in France |
| 7. Dossier : Ton look | 7. Project: Your Look |
| 8. Interrogation 1: Les vêtements | 8. Quiz 2: Clothing |
| 9. Interrogation alternative - Version A : Les vêtements* | 9. Alternate Quiz - Form A: Clothing* |
| 10. Interrogation alternative - Version B : Les vêtements* | 10. Alternate Quiz - Form B: Clothing* |
| 11. Les parties du corps | 11. Parts of the Body |
| 12. Dossier : Un ami imaginaire et bizarre | 12. Project: A Bizarre Imaginary Friend |
| 13. Les gestes et les expressions | 13. Gestures and Expressions |
| 14. Les verbes réfléchis | 14. Reflexive Verbs |
| 15. L'interrogation et la négation des verbes réfléchis | 15. Interrogation and Negation with Reflexive Verbs |
| 16. Dossier : Votre routine quotidienne | 16. Project: Your Daily Routine |
| 17. Interrogation 2: La routine | 17. Quiz 2: Routine |
| 18. Interrogation alternative - Version A : La routine* | 18. Alternate Quiz - Form A: Routine* |
| 19. Interrogation alternative - Version B : La routine* | 19. Alternate Quiz - Form B: Routine* |
| 20. Dossier spécial* | 20. Special Project* |
| 21. Révision | 21. Review |
| 22. Contrôle : La vie quotidienne | 22. Test: Daily Life |
| 23. Contrôle alternatif - Version A : La vie quotidienne* | 23. Alternate Test – Form A: Daily Life* |
| 24. Contrôle alternatif - Version B : La vie quotidienne* | 24. Alternate Test – Form B: Daily Life* |
| 25. Glossaire et références | 25. Glossary and Credits |

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French I

| Unit 10: Les Médias | | |
|---|---|---|
| **Assignments** | | |
| 1. | À la télévision | 1. On Television |
| 2. | La publicité | 2. Commercials |
| 3. | Voir, c'est croire | 3. Seeing Is Believing |
| 4. | Dossier : Le journal télévisé | 4. Project: The News |
| 5. | Interrogation 1 : À la télé | 5. Quiz 1 - : On TV |
| 6. | Interrogation alternative - Version A : À la télé* | 6. Alternate Quiz - Form A: On TV* |
| 7. | Interrogation alternative - Version B : À la télé* | 7. Alternate Quiz - Form B: On TV* |
| 8. | Sur Internet | 8. On the Internet |
| 9. | Dire, lire et écrire | 9. To Say, to Read, to Write |
| 10. | Les pronoms complément d'objet direct | 10. Direct-Object Pronouns |
| 11. | Interrogation 2 : L'Informatique | 11. Quiz 2: Computing |
| 12. | Interrogation alternative-Version A : L'Informatique* | 12. Alternate Quiz - Form A: Computing* |
| 13. | Interrogation alternative-Version B : L'Informatique* | 13. Alternate Quiz - Form B: Computing* |
| 14. | La presse | 14. The Press |
| 15. | Les pronoms complément d'objet indirect | 15. Indirect-Object Pronouns |
| 16. | Dossier : Le Monde | 16. Project: *Le Monde* |
| 17. | Interrogation 2 : La lecture | 17. Quiz 3: Reading |
| 18. | Interrogation alternative - Version A : La lecture* | 18. Alternate Quiz - Form A: Reading* |
| 19. | Interrogation alternative - Version B : La lecture* | 19. Alternate Quiz - Form B: Reading* |
| 20. | Dossier spécial* | 20. Special Project* |
| 21. | Révision | 21. Review |
| 22. | Contrôle : Les médias | 22. Test: The Media |
| 23. | Contrôle alternatif - Version A: Les medias* | 23. Alternate Test – Form A: The Media* |
| 24. | Contrôle alternatif - Version B: Les medias* | 24. Alternate Test – Form B The Media* |
| 25. | Glossaire et références | 25. Glossary and Credits |

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French I

| Unit 11: Les Vacances | |
|---|---|
| **Assignments** | |
| 1. À l'agence de voyage | 1. At the Travel Agency |
| 2. Le passé composé avec les verbes –er | 2. The Passé Composé with -er Verbs |
| 3. Le passé composé avec les verbes –ir | 3. The Passé Composé with -ir Verbs |
| 4. Le passé composé avec les verbes –re | 4. The Passé Composé with -re Verbs |
| 5. Mes vacances en Normandie | 5. My Vacation in Normandy |
| 6. Interrogation 1: Les vacances d'été | 6. Quiz 1: Summer Vacation |
| 7. Interrogation alternative - Version A : Les vacances d'été* | 7. Alternate Quiz - Form A: Summer Vacation* |
| 8. Interrogation alternative - Version B : Les vacances d'été* | 8. Alternate Quiz - Form B: Summer Vacation* |
| 9. À la gare | 9. At the Train Station |
| 10. La région du Centre | 10. The Central Region of France |
| 11. La Corse | 11. Corsica |
| 12. Le passé composé avec être | 12. The Passé Composé with Être |
| 13. Dossier : Mon voyage en France | 13. Project: My Trip to France |
| 14. Interrogation 2: Un voyage en France | 14. Quiz 2: A Trip to France |
| 15. Interrogation alternative - Version A : Un voyage en France* | 15. Alternate Quiz - Form A: A Trip to France* |
| 16. Interrogation alternative - Version B : Un voyage en France* | 16. Alternate Quiz - Form B: A Trip to France* |
| 17. Dossier spécial* | 17. Special Project* |
| 18. Révision | 18. Review |
| 19. Contrôle : Les vacances | 19. Test : Vacation |
| 20. Contrôle alternatif - Version A : Les vacances* | 20. Alternate Test – Form A: Vacation* |
| 21. Contrôle alternatif - Version B : Les vacances* | 21. Alternate Test – Form B : Vacation* |
| 22. Glossaire et références | 22. Glossary and Credits |

French I

| Unit 12: Révision et Contrôle Semestriel | |
|---|---|
| **Assignments** | |
| 1. Révision | 1. Review |
| 2. Contrôle semestriel | 2. Exam |
| 3. Contrôle semestriel - Version A* | 3. Alternate Exam—Form A* |
| 4. Contrôle semestriel - Version B* | 4. Alternate Exam—Form B* |

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# French II

French II is a high school foreign language course that builds on and reviews skills and concepts taught in *French I* through further exposure to communication, cultures, connections, comparisons, and communities.
Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, writing, and cultural competency.

Upon completion of the course, students should be able to do the following:

- Use basic French in everyday situations in oral and written communication.
- Use French vocabulary at the level appropriate to living in francophone countries.
- Demonstrate knowledge of France and other francophone countries.
- Listen to and understand passages in French related to various themes.
- Read and understand passages in French related to presented themes.
- Compare and contrast cultural aspects of francophone countries and the United States.

This course gives students practice using the mechanics of the French language, acquaints them with the cultural differences of francophone countries, and helps them gain a keen awareness of their own culture.

French II

| Unit 1: Faisons du Shopping | |
|---|---|
| **Assignments** | |
| 1. Course Overview | 1. Course Overview |
| 2. Les magasins en France | 2. French Stores |
| 3. Révision des verbes | 3. Verb Review |
| 4. Les produits français | 4. French Products |
| 5. Qui, quand, pourquoi ? | 5. Who, When, Why? |
| 6. Interrogation 1 : Au magasin | 6. Quiz 1: At the Store |
| 7. Interrogation alternative - Version A : Au magasin* | 7. Quiz 1 alternate- Form A: At the Store* |
| 8. Interrogation alternative - Version B : Au magasin* | 8. Quiz 1 alternate- Form B: At the Store* |
| 9. Au marché français | 9. At the French Market |
| 10. Les adjectifs démonstratifs | 10. Demonstrative Adjectives |
| 11. Quelle est la différence ? | 11. What's the Difference? |
| 12. Les marchés dans le monde francophone | 12. Markets in the Francophone World |
| 13. Interrogation 2 : Au marché | 13. Quiz 2: At the Market |
| 14. Interrogation alternative - Version A : Au marché* | 14. Quiz 2 Alternate- Form A: At the Market* |
| 15. Interrogation alternative - Version B : Au marché* | 15. Quiz 2 Alternate- Form B: At the Market* |
| 16. Combien ? Les expressions de quantité | 16. How Much? How Many? Expressions of Quantity |
| 17. Combien cela coute–t–il ? | 17. How Much Does It Cost? |
| 18. Les pronoms objets directs | 18. Direct-Object Pronouns |
| 19. Interrogation 3 : Faire du shopping | 19. Quiz 3:Going Shopping |
| 20. Interrogation alternative - Version A : Faire du shopping* | 20. Quiz 3 alternate- Form A: Going Shopping* |
| 21. Interrogation alternative - Version B : Faire du shopping* | 21. Quiz 3 alternate- Form B: Going Shopping* |
| 22. Dossier: Écrire un dialogue | 22. Project: Write a Dialogue |
| 23. Dossier spécial* | 23. Special Project* |
| 24. Révision | 24. Review |
| 25. Contrôle : Faisons du shopping | 25. Test: Let's Go Shopping |
| 26. Contrôle alternatif - Version A : Faisons du shopping* | 26. Alternate Test – Form A: Let's Go Shopping* |
| 27. Contrôle alternatif - Version B : Faisons du shopping* | 27. Alternate Test – Form B: Let's Go Shopping* |
| 28. Glossaire et références | 28. Glossary and Credits |

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French II

**Unit 2: Au Travail**

| Assignments | |
|---|---|
| 1. Les métiers de la santé | 1. Health Care Professions |
| 2. Les professions artistiques | 2. Professions in the Arts |
| 3. Les professions artisanales | 3. Trades |
| 4. Les professions qui aident les gens | 4. Helping Professions |
| 5. Interrogation 1 : Les professions | 5. Quiz 1 : Jobs |
| 6. Interrogation alternative – Version A : Les professions* | 6. Alternate Quiz – Form A : Jobs* |
| 7. Interrogation alternative – Version B : Les professions* | 7. Alternate Quiz – Form B : Jobs* |
| 8. Les qualités personnelles | 8. Character Traits |
| 9. Dossier : Mon emploi idéal | 9. Project : My Ideal Job |
| 10. Les emplois des étudiants | 10. Student Jobs |
| 11. Jeune fille au pair | 11. Young 'Au Pair' Girl |
| 12. Interrogation 2 : Le travail des jeunes | 12. Quiz 2 : Jobs for Young People |
| 13. Interrogation alternative – Version A : Le travail des jeunes* | 13. Alternate Quiz – Form A : Jobs for Young People* |
| 14. Interrogation alternative – Version B : Le travail des jeunes* | 14. Alternate Quiz – Form B : Jobs for Young People* |
| 15. Poser sa candidature | 15. Applying for a Job |
| 16. Préparer un entretien d'embauche | 16. Preparing for a Job Interview |
| 17. Oui, monsieur ! | 17. Yes, Sir! |
| 18. Le travail au Sénégal | 18. Working in Senegal |
| 19. Interrogation 3 : L'entretien d'embauche et le travail | 19. Quiz 3 : Job Interviews and Work |
| 20. Interrogation alternative – Version A : L'entretien d'embauche et le travail* | 20. Alternate Quiz – Form A : Job Interviews and Work* |
| 21. Interrogation alternative – Version B : L'entretien d'embauche et le travail* | 21. Alternate Quiz – Form B : Job Interviews and Work* |
| 22. Dossier spécial* | 22. Special Project* |
| 23. Révision | 23. Review |
| 24. Contrôle : Au travail | 24. Test : At Work |
| 25. Contrôle alternatif – Version A : Au travail* | 25. Alternate Test – Form A: At Work* |
| 26. Contrôle alternatif – Version B : Au travail* | 26. Alternate Test - Form B: At Work* |
| 27. Glossaire et références | 27. Glossary and Credits |

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FRENCH II

## Unit 3: Au Cinéma

### Assignments

| | | |
|---|---|---|
| 1. | Le cinéma français | 1. French Cinema |
| 2. | Quel film va-t-on voir ? | 2. Which Movie Are We Going to See? |
| 3. | Où allons-nous ? | 3. Where Are We Going? |
| 4. | Allons au cinéma | 4. Let's Go to the Movies |
| 5. | Interrogation 1 : Allons au cinéma | 5. Quiz 1: Let's Go to the Movies |
| 6. | Interrogation alternative - Version A : Allons au cinéma* | 6. Alternate Quiz - Form A: Let's Go to the Movies* |
| 7. | Interrogation alternative - Version B : Allons au cinéma* | 7. Alternate Quiz - Form B: Let's Go to the Movies* |
| 8. | Il n'y a plus de places | 8. It's All Sold Out |
| 9. | Comment est le film ? | 9. How's the Movie? |
| 10. | Dossier : Les Césars du cinéma | 10. Project: The Caesar Movie Awards |
| 11. | Interrogation 2 : Le cinéma | 11. Quiz 2: The Movies |
| 12. | Interrogation alternative - Version A : Le cinéma* | 12. Alternate Quiz 2 - Form A: The Movies* |
| 13. | Interrogation alternative - Version B : Le cinéma* | 13. Alternate Quiz 2 - Form B: The Movies* |
| 14. | Festival de Cannes | 14. Cannes Film Festival |
| 15. | Une entrevue avec une vedette | 15. An Interview with a Movie Star |
| 16. | Dossier : Que nous apprennent les films sur la culture ? | 16. Project: What Do Movies Teach Us about Culture? |
| 17. | Dossier : Une histoire, deux cultures | 17. Project: One Story, Two Cultures |
| 18. | Interrogation 3 : La culture et le cinéma | 18. Quiz 3: Culture and Film |
| 19. | Interrogation alternative - Version A : La culture et le cinéma* | 19. Alternate Quiz - Form A: Culture and Film* |
| 20. | Interrogation alternative - Version B : La culture et le cinéma* | 20. Alternate Quiz - Form B: Culture and Film* |
| 21. | Dossier spécial* | 21. Special Project* |
| 22. | Révision | 22. Review |
| 23. | Contrôle : Au cinéma | 23. Test: At the Movies |
| 24. | Contrôle alternatif - Version A : Au cinéma* | 24. Alternate Test - Form A: At the Movies* |
| 25. | Contrôle alternatif - Version B : Au cinéma* | 25. Alternate Test - Form B: At the Movies* |
| 26. | Glossaire et références | 26. Glossary and Credits |

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French II

| Unit 4: En Ville et à la Campagne | |
|---|---|
| **Assignments** | |
| 1. Les domiciles | 1. Homes |
| 2. Les tâches ménagères | 2. Housework |
| 3. En ville | 3. In the City |
| 4. Les pièces de l'appartement | 4. Rooms in the Apartment |
| 5. Dossier : Une maison de rêve | 5. Project: A Dream House |
| 6. Interrogation 1 : La ville | 6. Quiz 1: The City |
| 7. Interrogation alternative - Version A : La ville* | 7. Alternate Quiz - Form A: The City* |
| 8. Interrogation alternative - Version B : La ville* | 8. Alternate Quiz - Form B: The City* |
| 9. Le passé composé avec être | 9. The Passé Composé Tense with Être |
| 10. En train | 10. On the Train |
| 11. Interrogation 2 : Les transports | 11. Quiz 2 : Transportation |
| 12. Interrogation alternative - Version A : Les transports* | 12. Alternate Quiz - Form A: Transportation* |
| 13. Interrogation alternative - Version B : Les transports* | 13. Alternate Quiz - Form B: Transportation* |
| 14. La Provence en train | 14. Provence by Train |
| 15. Les maisons en Provence | 15. Houses in Provence |
| 16. Dossier: Les villes et les villages de France | 16. Project: Cities and Villages of France |
| 17. Une journée en Provence | 17. A Day in Provence |
| 18. Dossier : Mon journal de voyage | 18. Project: My Travel Journal |
| 19. Interrogation 3 : La campagne | 19. Quiz 3: The Countryside |
| 20. Interrogation alternative - Version A : La campagne* | 20. Alternate Quiz - Form A: The Countryside* |
| 21. Interrogation alternative - Version B : La campagne* | 21. Alternate Quiz - Form B: The Countryside* |
| 22. Dossier spécial* | 22. Special Project |
| 23. Révision | 23. Review |
| 24. Contrôle : En ville et à la campagne | 24. Test: In the City and in the Country |
| 25. Contrôle alternatif - Version A : En ville et à la campagne* | 25. Alternate Test – Form A: In the City and in the Country* |
| 26. Contrôle alternatif - Version B : En ville et à la campagne* | 26. Alternate Test – Form B: In the City and in the Country* |
| 27. Glossaire et références | 27. Glossary and Credits |

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French II

## Unit 5: La Santé

| Assignments | |
|---|---|
| 1. La France et la nutrition | 1. France and Nutrition |
| 2. Un régime équilibré | 2. A Balanced Diet |
| 3. La nutrition dans le monde francophone | 3. Nutrition in the Francophone World |
| 4. L'activité physique | 4. Physical Activity |
| 5. Dossier : Le journal de mes habitudes | 5. Project: My Daily Routine Journal |
| 6. Interrogation 1 : La nutrition | 6. Quiz 1: Nutrition |
| 7. Interrogation alternative - Version A : La nutrition* | 7. Alternate Quiz - Form A: Nutrition* |
| 8. Interrogation alternative - Version B : La nutrition* | 8. Alternate Quiz - Form B: Nutrition* |
| 9. Les habitudes quotidiennes | 9. Daily Routines |
| 10. Comment t'es-tu occupé? | 10. How Did You Keep Busy? |
| 11. Les habitudes d'un jeune | 11. A Teen's Typical Routine |
| 12. Interrogation 2 : Les habitudes | 12. Quiz 2: Routines |
| 13. Interrogation alternative - Version A : Les habitudes* | 13. Alternate Quiz - Form A: Routines* |
| 14. Interrogation alternative - Version B : Les habitudes* | 14. Alternate Quiz - Form B: Routines* |
| 15. Les symptômes d'une maladie | 15. Symptoms of an Illness |
| 16. Chez le médecin | 16. At the Doctor's Office |
| 17. Interrogation 3 : La maladie et le corps | 17. Quiz 3: Illnesses and the Body |
| 18. Interrogation alternative - Version A : La maladie et le corps* | 18. Alternate Quiz - Form A: Illnesses and the Body* |
| 19. Interrogation alternative - Version B : La maladie et le corps* | 19. Alternate Quiz – Form B: Illnesses and the Body* |
| 20. Dossier spécial* | 20. Special Project* |
| 21. Révision | 21. Review |
| 22. Contrôle : La santé | 22. Test: Health |
| 23. Contrôle alternatif - Version A : La santé* | 23. Alternate Test – Form A: Health* |
| 24. Contrôle alternatif - Version B : La santé* | 24. Alternate Test – Form B: Health* |
| 25. Glossaire et références | 25. Glossary and Credits |

French II

## Unit 6: Révision et Contrôle Semestriel

| Assignments | |
|---|---|
| 1. Révision | 1. Review |
| 2. Contrôle | 2. Exam |
| 3. Contrôle alternatif – Version A* | 3. Alternate Exam – Form A* |
| 4. Contrôle alternatif – Version B* | 4. Alternate Exam – Form B* |

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French II

## Unit 7: Les Vacances D'hiver

| Assignments | |
|---|---|
| 1. Où allez-vous ? | 1. Where Are You Going ? |
| 2. A l'aéroport | 2. At the Airport |
| 3. Les annonces à l'aéroport | 3. Announcements at the Airport |
| 4. Interrogation 1 : Partir en vacances d'hiver | 4. Quiz 1 : Leaving for Winter Vacation |
| 5. Interrogation alternative – Version A : Partir en vacances d'hiver* | 5. Alternate Quiz – Form A : Leaving for Winter Vacation* |
| 6. Interrogation alternative – Version B : Partir en vacances d'hiver* | 6. Alternate Quiz – Form B : Leaving for Winter Vacation* |
| 7. Une capsule mémorielle | 7. A Time Capsule |
| 8. Il faisait froid au Québec | 8. It Was Cold in Quebec |
| 9. Comment étaient tes vacances ? | 9. How Was Your Vacation? |
| 10. Dossier :L'hôtel de glace | 10. Project : The Ice Hotel |
| 11. Interrogation 2 : Raconter ses vacances | 11. Quiz 2 : Telling About Your Vacation |
| 12. Interrogation alternative – Version A : Raconter ses vacances* | 12. Alternate Quiz – Form A : Telling About Your Vacation* |
| 13. Interrogation alternative – Version B : Raconter ses vacances* | 13. Alternate Quiz – Form B : Telling About Your Vacation* |
| 14. Le passe composé et l'imparfait | 14. The Past Tenses |
| 15. Les fêtes culturelles | 15. Cultural Celebrations |
| 16. Dossier : Journal de voyage : le mardi gras | 16. Project : Travel Journal: Mardi Gras |
| 17. Interrogation 3 : Les vacances d'hiver | 17. Quiz 3 : Winter Vacation |
| 18. Interrogation alternative – Version A :Les vacances d'hiver* | 18. Alternate Quiz – Form A : Winter Vacation* |
| 19. Interrogation alternative – Version B : Les vacances d'hiver* | 19. Alternate Quiz – Form B : Winter Vacation* |
| 20. Dossier spécial* | 20. Special Project* |
| 21. Révision | 21. Review |
| 22. Contrôle : Les vacances d'hiver | 22. Test: Winter Vacation |
| 23. Contrôle alternatif – Version A : Les vacances d'hiver* | 23. Alternate Test – Form A: Winter Vacation* |
| 24. Contrôle alternatif – Version B : Les vacances d'hiver* | 24. Alternate Test – Form B: Winter Vacation* |
| 25. Glossaire et références | 25. Glossary and Credits |

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French II

**Unit 8: La Mode**

| Assignments | |
|---|---|
| 1. S'habiller selon la météo | 1. Dressing for the Weather |
| 2. Un magazine de mode | 2. A Fashion Magazine |
| 3. Dans la boutique de prêt-à-porter | 3. In the Clothing Store |
| 4. Choisir des vêtements dans une boutique | 4. Choosing Clothing in a Boutique |
| 5. Dossier : Un événement spécial | 5. Project: A Special Event |
| 6. Interrogation 1 : S'habiller | 6. Quiz 1 : Getting Dressed |
| 7. Interrogation alternative – Version A : S'habiller* | 7. Alternate Quiz – Form A : Getting Dressed* |
| 8. Interrogation alternative – Version B : S'habiller* | 8. Alternate Quiz – Form B : Getting Dressed* |
| 9. La haute couture | 9. Haute Couture Fashion |
| 10. La mode au début du vingtième siècle | 10. Fashion at the Beginning of the Twentieth Century |
| 11. Interrogation 2 : La haute couture et l'histoire de la mode | 11. Quiz 2 : High Fashion and the History of Fashion |
| 12. Interrogation alternative – Version A : La haute couture et l'histoire de la mode* | 12. Alternate Quiz – Form A : High Fashion and the History of Fashion* |
| 13. Interrogation alternative – Version B : La haute couture et l'histoire de la mode* | 13. Alternate Quiz – Form B : High Fashion and the History of Fashion* |
| 14. La mode du vingtième siècle | 14. Twentieth Century Fashion |
| 15. La mode africaine | 15. African Fashion |
| 16. Dossier : Un défilé de mode | 16. Project : A Fashion Show |
| 17. Interrogation 3 : La mode actuelle | 17. Quiz 3 : Current Fashion |
| 18. Interrogation alternative – Version A : La mode actuelle* | 18. Alternate Quiz – Form A : Current Fashion* |
| 19. Interrogation alternative – Version B : La mode actuelle* | 19. Alternate Quiz – Form B : Current Fashion* |
| 20. Dossier spécial* | 20. Special Project* |
| 21. Révision | 21. Review |
| 22. Contrôle : La mode | 22. Test: Fashion |
| 23. Contrôle alternatif – Version A : La mode* | 23. Alternate Test – Form A: Fashion* |
| 24. Contrôle alternatif – Version B : La mode* | 24. Alternate Test – Form B: Fashion* |
| 25. Glossaire et références | 25. Glossary and Credits |

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French II

| Unit 9: Au Musée D'art | | |
|---|---|---|
| **Assignments** | | |
| 1. | Les beaux-arts | 1. The Fine Arts |
| 2. | Les mouvements artistiques en France | 2. Art Movements in France |
| 3. | L'histoire à travers l'art | 3. History in Art |
| 4. | La statue de la liberté | 4. The Statue of Liberty |
| 5. | Interrogation 1 : L'art | 5. Quiz 1: Art |
| 6. | Interrogation alternative - Version A : L'art* | 6. Alternate Quiz - Form A: Art* |
| 7. | Interrogation alternative - Version B : L'art* | 7. Alternate Quiz - Form B: Art* |
| 8. | Le musée du Louvre | 8. The Louvre Museum |
| 9. | Un vol au musée | 9. A Robbery at the Museum |
| 10. | Plus d'expressions négatives | 10. More Negative Expressions |
| 11. | Dossier : On a volé la Joconde | 11. Project: Mona Lisa Stolen |
| 12. | Dossier : Un article dans le journal | 12. Project: A Newspaper Article |
| 13. | Les impressionnistes | 13. The Impressionists |
| 14. | Les descriptions | 14. Descriptions |
| 15. | Interrogation 2 : Au musée | 15. Quiz 2: At the Museum |
| 16. | Interrogation alternative - Version A : Au musée* | 16. Alternate Quiz - Form A: At the Museum* |
| 17. | Interrogation alternative - Version B : Au musée* | 17. Alternate Quiz - Form B: At the Museum* |
| 18. | Dossier spécial* | 18. Special Project* |
| 19. | Révision | 19. Review |
| 20. | Contrôle : Au musée d'art | 20. Test: At the Art Museum |
| 21. | Contrôle alternatif - Version A : Au musée d'art* | 21. Alternate Test – Form A: At the Art Museum* |
| 22. | Contrôle alternatif - Version B : Au musée d'art* | 22. Alternate Test – Form B: At the Art Museum* |
| 23. | Glossaire et références | 23. Glossary and Credits |

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French II

| Unit 10: À la Plage | |
|---|---|
| **Assignments** | |
| 1. Les iles tropicales francophones | 1. Francophone Tropical Islands |
| 2. Réserver un hôtel | 2. Reserving a Hotel |
| 3. Les activités à faire pendant les vacances | 3. Things to Do on Vacation |
| 4. Dossier : Comparer les hôtels | 4. Project : Hotel Comparison |
| 5. Interrogation 1 : Les hôtels | 5. Quiz 1 : Hotels |
| 6. Interrogation alternative – Version A : Les hôtels* | 6. Alternate Quiz – Form A : Hotels* |
| 7. Interrogation alternative – Version B : Les hôtels* | 7. Alternate Quiz – Form B : Hotels* |
| 8. Le pronom y | 8. The Pronoun Y |
| 9. Comment y allez-vous ? | 9. How Do You Get There? |
| 10. Interrogation 2 : Les modes de transport | 10. Quiz 2 : Modes of Transportation |
| 11. Interrogation alternative – Version A : Les modes de transport* | 11. Alternate Quiz – Form A : Modes of Transportation* |
| 12. Interrogation alternative – Version B : Les modes de transport* | 12. Alternate Quiz – Form B : Modes of Transportation* |
| 13. La cuisine guadeloupéenne | 13. Guadeloupean Food |
| 14. Le pronom en | 14. The Pronoun En |
| 15. Dossier : Des cartes postales | 15. Project : Postcards |
| 16. Interrogation 3 : La cuisine guadelopéenne | 16. Quiz 3 : Guadeloupean Cooking |
| 17. Interrogation alternative – Version A : La cuisine guadelopéenne* | 17. Alternate Quiz – Form A : Guadeloupean Cooking* |
| 18. Interrogation alternative – Version B : La cuisine guadelopéenne* | 18. Alternate Quiz – Form B : Guadeloupean Cooking* |
| 19. Dossier spécial* | 19. Special Project* |
| 20. Révision | 20. Review |
| 21. Contrôle : À la plage | 21. Test: At the Beach |
| 22. Contrôle alternatif – Version A : À la plage* | 22. Alternate Test – Form A: At the Beach* |
| 23. Contrôle alternatif – Version B : À la plage* | 23. Alternate Test – Form B: At the Beach* |
| 24. Glossaire et références | 24. Glossary and Credits |

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French II

## Unit 11: Les Rites de Passage

| Assignments | |
|---|---|
| 1. Les rites de passage | 1. Rites of Passage |
| 2. L'enfance | 2. Childhood |
| 3. Les évènements de l'adolescence | 3. Events in Adolescence |
| 4. Le permis de conduire en Europe | 4. Driver's License in Europe |
| 5. Interrogation 1 : Les souvenirs | 5. Quiz 1: Memories |
| 6. Interrogation alternative - Version A : Les souvenirs* | 6. Alternate Quiz - Form A: Memories* |
| 7. Interrogation alternative - Version B : Les souvenirs* | 7. Alternate Quiz - Form B: Memories* |
| 8. Les verbes réguliers au futur simple | 8. The Simple Future Tense of Regular Verbs |
| 9. Les verbes irréguliers au futur simple | 9. The Simple Future Tense of Irregular Verbs |
| 10. Dossier : Mes projets d'avenir | 10. Project: My Plans for the Future |
| 11. Interrogation 2 : L'avenir | 11. Quiz 2: The Future |
| 12. Interrogation alternative - Version A : L'avenir* | 12. Alternate Quiz - Form A: The Future* |
| 13. Interrogation alternative - Version B : L'avenir* | 13. Alternate Quiz - Form B: The Future* |
| 14. Le mariage en France | 14. Weddings in France |
| 15. Le mariage aux pays francophones | 15. Weddings in Francophone Countries |
| 16. Un mariage royal | 16. A Royal Wedding |
| 17. Dossier : Les rites de passage dans quelques pays francophones | 17. Project: Rites of Passage in Some Francophone Countries |
| 18. Interrogation 3 : Le mariage | 18. Quiz 3: Marriage |
| 19. Interrogation alternative - Version A : Le mariage* | 19. Alternate Quiz - Form A: Marriage* |
| 20. Interrogation alternative - Version B : Le mariage* | 20. Alternate Quiz - Form B: Marriage* |
| 21. Dossier spécial* | 21. Special Project* |
| 22. Révision | 22. Review |
| 23. Contrôle : Les rites de passage | 23. Test: Rites of Passage |
| 24. Contrôle alternatif - Version A : Les rites de passage* | 24. Alternate Test – Form A: Rites of Passage* |
| 25. Contrôle alternatif - Version B : Les rites de passage* | 25. Alternate Test – Form B: Rites of Passage* |
| 26. Glossaire et références | 26. Glossary and Credits |

French II

## Unit 12: Révision et Contrôle Semestriel

| Assignments | |
|---|---|
| 1. Révision | 1. Review |
| 2. Contrôle | 2. Exam |
| 3. Contrôle alternatif - Version A* | 3. Alternate Exam—Form A* |
| 4. Contrôle alternatif - Version B* | 4. Alternate Exam—Form B* |

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# General Science III

General Science III is a basic intermediate course intended to expose students to the designs and patterns in God's physical universe. This course expands on General Science I and II courses. Some of the areas covered in General Science III include the structure of matter, atomic nuclei and radioactivity, geology, oceanography, astronomy, microbiology, medicine, and science today and in the future.

Students at this level should show development in their ability and understanding of scientific inquiry. Some of the units contain experiments and projects that seek to develop meaning for the student and to engage the student actively. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

Upon completion of the course, students should be able to do the following:

- Use their main senses for observation of the world around them.
- Describe the atomic structure of different elements.
- Calculate and measure volume, mass, and density for different objects.
- Identify different types of geological changes.
- Discuss how the layers of the earth's crust can show history.
- Describe the different parts of the ocean, both living and non-living.
- Explain the differences in the stars and constellations.
- Distinguish between bacterial infections, viral infections, and other types of infections.
- Develop a plan to prevent and treat common diseases through proper health.
- Demonstrate an understanding of the resources of the earth and what is needed to conserve those resources.

General Science III

**Unit 1: Our Atomic World**

**Assignments**

1. Course Overview
2. Structure of Matter
3. Quiz 1: Structure of Matter
4. Radioactivity
5. Quiz 2: Radioactivity
6. Atomic Nuclei
7. Quiz 3: Atomic Nuclei
8. Nuclear Energy
9. Essay: Reactors
10. Quiz 4: Nuclear Energy
11. Applications and Environmental Hazards
12. Quiz 5
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

General Science III

**Unit 2: Volume, Mass, and Density**

**Assignments**

1. Volume
2. Experiment: Determining Volume
3. Quiz 1: Volume
4. Mass
5. Experiment: Mass of Gas
6. Quiz 2: Mass
7. Density
8. Quiz 3: Density
9. Special Project*
10. Test
11. Alternate Test*
12. Reference

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General Science III

## Unit 3: Physical Geology

**Assignments**

1. Earth Structures
2. Internal Structures
3. Igneous Structures
4. Essay: Volcanic Eruptions
5. Mountains
6. Quiz 1: Earth Structures
7. Earth Changes
8. Erosion and Sediment
9. Oceans
10. Quiz 2: Earth Changes
11. Earth Movements
12. Experiment: Specific Gravity
13. Experiment: Gravity
14. Plate Tectonics
15. Quiz 3: Earth Movements
16. Special Project*
17. Test
18. Alternate Test*
19. Reference

General Science III

## Unit 4: Historical Geology

**Assignments**

1. An Observational Science
2. Sedimentary Rock
3. Fossils
4. Crustal Changes
5. Quiz 1: An Observational Science
6. Measuring Time
7. Absolute Time
8. Quiz 2: Measuring Time
9. Special Project*
10. Test
11. Alternate Test*
12. Reference

General Science III

## Unit 5: Oceanography

**Assignments**

1. Chronology and Techniques for Investigation
2. Major Discoveries and Submersible Research
3. Essay: The Moon and Tides
4. Quiz 1: The History of Oceanography
5. Geological Structure and Results of Profiling
6. Turbidity, Sedimentation, and Currents
7. Quiz 2: Geology of the Ocean
8. Biology of the Ocean
9. Chemistry of the Ocean
10. Physical Properties of the Ocean
11. Essay: Marine Report
12. Quiz 3: Biological, Physical, and Chemical Properties
13. Special Project*
14. Test
15. Alternate Test*
16. Reference

General Science III

## Unit 6: Astronomy

**Assignments**

1. Presuppositions
2. Extent of the Universe
3. Constellations
4. Measuring the Universe
5. Quiz 1: The Universe
6. Gathering Light and Types of Telescopes
7. Other Types of Telescopes
8. Essay: Telescopes
9. Quiz 2: Telescopes and Optics
10. Space Explorations
11. Quiz 3: Space Explorations
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

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General Science III

## Unit 7: Body Health (Part 1)

**Assignments**

1. Microorganisms
2. Categories of Pathogenic Organisms
3. Characteristics of Infectious Diseases
4. Essay: Medical Science
5. Quiz 1: Microorganisms
6. Digestive Infections
7. Respiratory Infections
8. Nervous System Infections
9. Quiz 2: Bacterial Infections
10. Common Viral Infections
11. Childhood Viral Infections
12. More Serious Viral Infections
13. Quiz 3: Viral Infections
14. Protozoan Infections
15. Rickettsial Infections
16. Fungal Infections
17. Quiz 4: Protozoan, Rickettsial, and Fungal Infections
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

General Science III

## Unit 8: Body Health (Part 2)

**Assignments**

1. Body Defense Mechanisms
2. Medical Drugs
3. Essay: Chemotherapy
4. Quiz 1: Disease Treatment
5. Environmental Conditions
6. Medical Advances and Total Health
7. Quiz 2: Disease Prevention
8. Governmental Agencies and Volunteer Groups
9. Medical and Drug Control Organizations
10. Quiz 3: Community Agencies
11. Special Project*
12. Test
13. Alternate Test*
14. Reference

General Science III

## Unit 9: Science and Tomorrow

**Assignments**

1. Ecology
2. Agriculture and Waste
3. Population
4. Quiz 1: People and Their Land
5. Energy Sources
6. Debate: Fossil Fuels, Nuclear/Natural Power
7. Industry, Transportation, and Urbanization
8. Quiz 2: People and Their Work Environment
9. Outer Space
10. Inner Space and Self Exploration
11. Quiz 3: People and Their New Frontiers
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

General Science III

## Unit 10: Review

**Assignments**

1. Nuclear Power
2. The Metric System
3. Quiz 1: Nuclear Power
4. Weight Versus Mass
5. Quiz 2: Weight Versus Mass
6. Deposition Versus Erosion
7. The Oceans, Continents; Earth in Space
8. Quiz 3: Deposition Versus Erosion
9. Practical Health
10. Population and Environment
11. Quiz 4: Practical Health
12. Special Project*
13. Test
14. Alternate Test*
15. Reference

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# Health Quest

Health Quest is a health science elective course for upper elementary and junior high students. The curriculum introduces students to the concepts of what good health is, why good health is important, and what students should do in order to achieve good health.

Upon completion of the course, students should be able to do the following:

- Demonstrate an awareness of health as it applies to their own bodies, minds, and emotions.
- Demonstrate an awareness of health as it applies to their living environments.
- Identify the components of a healthy lifestyle and set reasonable goals to achieve a lifestyle of wellness.
- Understand that incorporating sound health practices creates a lifestyle of moderation and wellness.
- Understand the responsibility of properly stewarding the bodies God has given them as directed in the Bible.
- Describe health as it applies to broader society, the world, and their own responsibility to stimulate good health around them.

Health Quest

**Unit 1: Your Body**

**Assignments**

1. Course Overview
2. The "Stuff" You're Made Of
3. Experiment: Calcium
4. Quiz 1: The "Stuff" You're Made Of
5. Alternate Quiz 1: The "Stuff" You're Made Of *
6. Your Breathe and Blood
7. Experiment: The Heart
8. Your Food Goes Where?
9. What's Your Nervous System?
10. Chomping, Winking and Listening
11. Quiz 2: Your Breathe and Blood
12. Alternate Quiz 2: Your Breathe and Blood*
13. Growing and Changing
14. Keeping your Body Clean
15. You're Growing Up: Hello Adolescence!
16. You've Grown Up: Nice to Meet You, Adulthood!
17. Quiz 3: Growing and Changing
18. Alternate Quiz 3: Growing and Changing*
19. Special Project*
20. Test
21. Alternate Test*
22. Glossary and Credits

Health Quest

**Unit 2: Your Feelings, Emotions, and Behaviors**

**Assignments**

1. How Are You Feeling Today?
2. How Do I Make the Right Choice?
3. Project: Physical Play
4. Quiz 1: Your Feelings, Emotions, and Behaviors
5. Alternate Quiz 1: Your Feelings, Emotions and Behaviors*
6. Social Skill Savvy
7. Me and My Family
8. I Am a Good Friend
9. Quiz 2: Social Skill Savvy
10. Alternate Quiz 2: Social Skill Savvy*
11. Special Project*
12. Test
13. Alternate Test *
14. Glossary and Credits

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Health Quest

**Unit 3: Your Nutrition and Fitness**

**Assignments**

1. You Are What You Eat!
2. What's In the Food You're Eating?
3. Project: Nutrients
4. Project: Junk Food
5. Activity: Advertisement*
6. Quiz 1: You Are What You Eat!
7. Alternate Quiz 1: You Are What You Eat!*
8. Your Healthy Eating Habits
9. My Plate
10. Project: Menu Planner
11. Quiz 2: Your Healthy Eating Habits
12. Alternate Quiz 2: Your Healthy Eating Habits*
13. Let's Go Play!
14. Experiment: Exercise
15. Fitness Fun!
16. Project: Fitness Program
17. Activity: Improvements
18. Quiz 3: Let's Go Play!
19. Alternate Quiz 3: Let's Go Play!*
20. Special Project*
21. Test
22. Alternate Test*
23. Glossary and Credits

Health Quest

**Unit 4: Play it Safe!**

**Assignments**

1. Avoiding Accidents
2. Safety in Your Home
3. Project: Fire Escape
4. Safety in Your Community
5. Project: Safety Check
6. Quiz 1: Playing it Safe!
7. Alternate Quiz 1: Playing it Safe!*
8. Emergency! Your First Aid Answers
9. Project: Heimlich Maneuver
10. Project: First Aid Kit
11. Quiz 2: Emergency! First Aid
12. Alternate Quiz 2: Emergency! First Aid*
13. Dodging Disease
14. Quiz 3: Dodging Disease
15. Alternate Quiz 3: Dodging Disease*
16. Special Project*
17. Test
18. Alternate Test*
19. Glossary and Credits

Health Quest

**Unit 5: Being a Good Steward**

**Assignments**

1. Being a Good Steward of God's Creation
2. How Can I Prevent Pollution?
3. Project: Pollutants
4. Project: Recycle
5. Project: Conserve
6. Quiz 1: Being a Good Steward of God's Creation
7. Alternate Quiz 1: Being a Good Steward of God's Creation*
8. Showing Stewardship for Yourself
9. Project: Poison Control
10. Project: Expiration Dates
11. Quiz 2: Showing Stewardship for Yourself
12. Alternate Quiz 2: Showing Stewardship for Yourself*
13. Project: Letter
14. Special Project*
15. Test
16. Alternate Test*
17. Glossary and Credits

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# High School Health

High School Health is a health science elective course that introduces students to what good health is, why good health is important, and what students should do in order to achieve good health.

Upon completion of the course, students should be able to do the following:

- Demonstrate an awareness of health as it applies to their own bodies, minds, and emotions.
- Demonstrate an awareness of health as it applies to their living environments.
- Identify the components of a healthy lifestyle and set reasonable goals to achieve a lifestyle of wellness.
- Understand that incorporating sound health practices creates a lifestyle of moderation and wellness.
- Understand the responsibility of properly stewarding the bodies God has given them as directed in the Bible.
- Describe health as it applies to broader society, the world, and their own responsibility to stimulate good health around them.

High School Health

**Unit 1: Body Essentials**

**Assignments**

1. Course Overview
2. The Head and Crown of Creation
3. Anatomy and Physiology
4. Quiz 1: Building Blocks of the Body
5. Nervous System and Circulatory System
6. Activity: Your Adaptive Heart
7. Respiratory, Skeletal, and Muscular System
8. Digestive, Excretory, Endocrine, and Integumentary System
9. Immune, Lymphatic, and Reproductive System
10. Quiz 2: Body Systems
11. Growth and Development
12. Activity: Fetal Development
13. Childhood Development
14. Adolescence
15. Adulthood
16. Activity: Interviewing an Older Person
17. Quiz 3: Stages of Development
18. Special Project
19. Test
20. Alternate Test
21. Reference

High School Health

**Unit 2: Physical Health**

**Assignments**

1. Benefits of Proper Nutrition
2. Carbohydrates
3. Vitamins
4. Activity: Your Favorite Foods
5. Quiz 1: Essentials of Nutrition
6. Developing Proper Eating Habits
7. Dairy Group and Protein Group
8. Activity: Got Calcium?*
9. Food, God's Tasty Gift
10. Healthy Eating Habits
11. Quiz 2: Eating the Right Foods
12. Exercise and Physical Fitness
13. Activity: Heart Rate
14. Muscular Endurance and Strength
15. Exercise Program
16. Activity: How Fit Are You?*
17. Quiz 3: Exercise and Physical Fitness
18. Special Project*
19. Test
20. Alternate Test*
21. Reference

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High School Health

**Unit 3: Social and Mental Health**

**Assignments**

1. Aspects of Health
2. Love
3. Activity: Examine Yourself
4. Mental and Emotional Health
5. Quiz 1: Mental, Social, and Emotional Health
6. Social Health
7. Friends
8. Speaking in Love
9. Quiz 2: Social Interaction
10. Personal Hygiene
11. Teeth, Mouth, Eyes, and Ears
12. Activity: Hygiene Habits
13. Quiz 3: Personal Hygiene
14. Special Project*
15. Test
16. Alternate Test*
17. Reference

High School Health

**Unit 4: Preventative Health Care and First Aid**

**Assignments**

1. Safety
2. Home Safety
3. Home Safety II
4. Home Safety III
5. Activity: Home Safety
6. Quiz 1: Home Safety
7. Safety Guidelines
8. Personal Safety
9. Activity: Moving Violations
10. Water Safety
11. Weather Safety
12. Quiz 2: Personal Safety and the Environment
13. First Aid
14. Activity: First Aid Kit
15. Evaluating the Scene
16. Wounds and Bleeding
17. Burns and Other Emergencies
18. Activity: Making a Splint
19. Hypothermia and Frostbite
20. Quiz 3: First Aid
21. Special Project*
22. Test
23. Alternate Test*
24. Reference

High School Health

**Unit 5: Responsible Living**

**Assignments**

1. Disease and Prevention
2. Childhood Immunizations
3. Activity: Your Shots
4. Non-Infectious Diseases
5. Activity: Major Diseases
6. Health Care
7. Activity: Visit the Sick
8. Quiz 1: Diseases and Health Care
9. Drug Use and Abuse
10. Drug Use and Abuse 2
11. Alcohol
12. Activity: Interview on Alcohol Use
13. Tobacco
14. Activity: Smoking, A Wise Choice?
15. Quiz 2: Substance Abuse
16. Health and the Environment
17. Activity: Mother Earth
18. Water Essentials
19. Sexually Transmitted Diseases
20. Quiz 3: Health, Pollution, and the Environment
21. Special Project*
22. Test
23. Alternate Test*
24. Reference

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# Introduction to Computer Science

Computers are an integral part of many of our lives and help us to accomplish many different tasks. Computer science careers are one of the fastest growing careers in the world and certainly in the United States. Educating students about careers in computer science is beneficial to both students our global marketplace. In this course students will see and experience much of what computer scientists do. They will start programming in the first unit and continue throughout the course. They will also explore the hardware and software that make computers work. Projects are assigned throughout the course that allow students to not only write programs, but to design networks, plan a mobile app for a smartphone, analyze big data, and more. Students who complete the course will know how to address accessibility issues to make the Internet accessible to all, how to help protect themselves from security threats, make informed decisions based on ethical and legal issues, and learn skills to use when working with a diverse team. Not only will students explore the wide spectrum of computer science careers, but they will also survey the history of computers and explore emerging technologies and issues.

- **Unit 1: Computer Science Then and Now:** Computers have had an enormous impact on social, ethical, economic, and cultural issues. Students will examine how computers developed and technologies that are just now being developed. Telehealth is changing how doctors deliver care. Virtual and augmented reality allow people to experience adventures and training without leaving home. Students will also gain a working knowledge of a computer and begin programming in Python, which is a free, open-source Integrated Design Environment. Flowcharts and pseudocode are used to plan how to solve a problem. Students will also investigate five computer science fields to help them begin thinking about career paths.

- **Unit 2: Hardware and Software:** Have you thought about how computers communicate? Computers communicated in ones and zeros, so all information has to be translated to binary. Then the signal has to be transmitted through a network. Students will explore how the World Wide Web began and how networks are organized. They will also investigate the software that makes computers useful and the ways information is stored.

- **Unit 3: Computational Thinking:** A high-level program such as Python allows students to write code that is very readable. Variables are used to store numbers, text, and other data types. Students will write programs that ask for user input, process the response, and display the result. They will make decisions that allow the response to fit the data provided. As programs become more complex, the importance of planning rises. Students will plan, implement, and test programs. They will also examine difficulties faced by those with mental and physical challenges and identify solutions.

- **Unit 4: Control Structures and Data Types:** Programs can be made more efficient in several ways. Programming languages use loops to perform repetitive tasks. Functions enable programmers to reuse code in many applications. Large amounts of data can be organized into collections, such as lists, tuples, and dictionaries. Students will create their own user-defined data type. Every programmer makes mistakes and users often make mistakes when entering data. Error handling provide a built-in mechanism of dealing with user errors and preventing programs from crashing.

- **Unit 5: Classes, Analyzing Data, and Arrays:** Object-oriented programming (OOP) increases efficiency and protects code contained in the object. OOP is the computer version of reduce-reuse-recycle. Classes and libraries enable programmers to use the work already done by themselves or other programmers. The math, random, and other libraries are used. In this unit students will also explore real-world data and write a guessing game program.

- **Unit 6: Semester Review and Exam:** Students will prepare for and take the semester exam.

- **Unit 7: Programming Algorithms:** Up to this point, once a program was finished the information was not saved. In this unit the student will be able to save the output of a program in files. Being able to read from and write to files allow you to analyze vast quantities of real-world data. Another aspect of real-world programming is gathering and responding to customer feedback. Students will use string formatting and

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color choices to make a program's output more readable for greater accessibility. Programming is not an end in itself. Students will investigate how algorithms are used in different disciplines and examine how other programming languages are used.

- **Unit 8: Design and Development:** The Software Development Life Cycle (SDLC) models the stages of software development: planning, design, coding, testing, release, and maintenance. Students will design, code, and test applications such as web pages, a guessing game that uses the random library, and learn the best practices for working alone and with a team. They examined a variety of development tools such as those used to create mobile apps and how VPython can model physical phenomena. They will also consider how versioning is used during the maintenance phase.

- **Unit 9: Laws and Security:** Laws are critical to those who use and work with computers. Intellectual property laws protect writers, programmers, artists, and other creators of original work. Cybersecurity issues demand tradeoffs between safety and usability. The damage done by hackers and the cost of security measures have a huge economic impact. Students will write a program to evaluate the strength of a password and conduct independent research into legal and security issues.

- **Unit 10: Ethics:** Ethics are even more important than legal issues. What is legal is not always ethical. Students will explore bias and equity, ethics, and online etiquette. They will identify sources of bias for the physically and mentally challenged and strategies for addressing that bias. In some countries, the government controls the information available on the Internet, a form of information censorship. Economic conditions can limit access to the Internet. Diversity is addressed by examining how cultural differences affect members of a team.

- **Unit 11: Applications:** This unit explores a variety of ways computers are used and ways students can find a career in the field. The unit begins with learning more about web design, two styles of programming, and how music and video are represented on a computer. Students will write a program to create art. In the project, students will design a mobile app, get feedback from others, and improve their design. They will also implement a game that uses artificial intelligence. The unit ends with workplace topics: being the kind of worker others want to work beside, being safe in the workplace, providing customer service, and exploring the preparation needed for a computer science career.

- **Unit12: Semester Review and Exam:** Students will prepare for and take the semester exam.

- **Unit 13: Final Review and Exam:** Students will prepare for and take the final exam.

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Introduction to Computer Science

## Unit 1: Computer Science Then and Now

**Assignments**

1. Course Overview
2. The Big Picture
3. Where are We Going?
4. Where Did it Get Started?
6. Computer Terminology
8. Program Execution
9. Quiz 2: Computer Terminology and Python Installation
10. Do You Have a Plan?
11. Project: Make a Plan
12. How Computers Have Changed Your World
13. Computer Scientists
14. Quiz 3: Planning and Changes
15. Five Computer Science Fields
16. Scalability
17. Career Spotlight: Ada Lovelace
18. Quiz 4: Scalability and Computer Scientists
19. Review: Computer Science Then and Now
20. Test: Computer Science Then and Now
21. Glossary and Credits

Introduction to Computer Science

## Unit 2: Hardware and Software

**Assignments**

1. Binary World
2. How Do We Communicate?
3. Quiz 1: Bits and Communication
4. The WWW
6. Computer Networking Basics
8. Network Protocol
9. Quiz 2: Networks
10. Transmitting Data
11. Local Versus Wide Area
12. Operational Systems
13. Quiz 3: Network Types and Operating Systems
14. Software
15. File Types and Storing Programs
16. Choosing Hardware and Software
17. Project: Network Design
18. Career Spotlight: Grace Murray Hopper
19. Quiz 4: File Types. Hardware, and Software
20. Review: Hardware and software
21. Test: Hardware and software
22. Glossary and Credits

Introduction to Computer Science

## Unit 3: Computational Thinking

**Assignments**

1. Abstracts
2. Data Types
3. Manipulating Data Types
4. Quiz 1: Data Types and Operations
6. Variables and Numerical Operations
8. Input and Output
9. Making Decisions
10. Quiz 2: Input, Output, and Making Decisions
11. Accessibility
12. Manipulating Strings
13. Quiz 3: Accessibility and Strings
14. Design Specifications
15. Computational Models
16. Math and Computer Science Connections
17. Project: Programming a Math Algorithm
18. Career Spotlight: Bill Gates
19. Quiz 4: Design and Computational Models
20. Review: Computational Thinking
21. Test: Computational Thinking
22. Glossary and Credits

Introduction to Computer Science

## Unit 4: Control Structures and Data Types

**Assignments**

1. For Loops
2. While Loops
3. Nested Loops
4. Quiz 1: Loops and Functions
6. Using Functions
8. Scope and Parameters
9. Lists
10. Quiz 2: Scope and Lists
11. Collections
12. Tuples
13. Dictionaries
14. Quiz 3: Tuples and Dictionaries
15. User-Defined Data Types
16. Finding and Handling Errors
17. Project: Math Tutor Program with Error Handling
18. Career Spotlight: Donald Knuth
19. Quiz 4: User-Defined Data Types and Error Handling
20. Review: Control Structures and Data Types
21. Test: Control Structures and Data Types
22. Glossary and Credits

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Introduction to Computer Science

## Unit 5: Classes, Analyzing Data, and Arrays

**Assignments**

1. Classes
2. Class Structure
3. Implementing Object-Oriented Programming
4. Quiz 1: Classes
6. The Python Standard Library
8. Math Functions
9. Searching
10. Quiz 2: Functions and Searching
11. Sorting
12. Arrays
13. Multidimensional Arrays
14. Quiz 3: Sorting and Arrays
15. Analyzing Data
16. Project: Big Data Research Project
17. Guessing Game
18. Career Spotlight: Alvy Ray Smith
19. Quiz 4: Analyzing Data and Games
20. Review: Classes, Analyzing Data, and Arrays
21. Test: Classes, Analyzing Data, and Arrays
22. Glossary and Credits

ICS

## Unit 6: Semester 1 Review and Exam

**Assignments**

1. Semester 1 Review: Introduction to Computer Science
2. Semester 1 Exam: Introduction to Computer Science

Introduction to Computer Science

## Unit 7: Programming Algorithms

**Assignments**

1. Reading a File
2. Writing to a File
3. Searching Complex Data
4. Project: Big Data Programming
6. Quiz 1: Reading, Writing, and Searching a File
8. Analyzing Images
9. Evaluating Your Program
10. Using Events
11. Quiz 2: Analyzing Images and Program Evaluation
12. Customer Relations
13. Refining Your Program
14. Programming Across Disciplines
15. Quiz 3: Events and Customers
16. Other Languages
17. String Formatting
18. Career Spotlight: George Lucas
19. Quiz 4: Language and String Formatting
20. Review: Programming Algorithms
21. Test: Programming Algorithms
22. Glossary and Credits

Introduction to Computer Science

## Unit 8: Design and Development

**Assignments**

1. The Software Development Process
2. Using the Internet
3. Can Anything Be Random?
4. Quiz 1: Software Development, the Internet, and Randomness
6. Create a Game
8. Managing a Team
9. Best Practices
10. Quiz 2: Designing a Game and Teams
11. Multiple Computing Platforms
12. The License Police
13. Visual Python
14. Quiz 3: Platforms and Licensing
15. VPython Applications
16. Global Connections
17. Project: Design and Development
18. Career Spotlight: Steve Sfartz
19. Quiz 4: VPython and Global Connections
20. Review: Design and Development
21. Test: Design and Development
22. Glossary and Credits

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Introduction to Computer Science

## Unit 9: Laws and Security

**Assignments**

1. Intellectual Property Law
2. Privacy Concerns
3. Malware
4. Quiz 1: Intellectual Property, Privacy, and Malware
6. Cybersecurity Measures
8. Media Reliability Concerns
9. Impact of Cybercrime
10. Quiz 2: Cybersecurity and Media Reliability
11. Workplace Crime
12. Hackers and Unauthorized Access
13. Solutions to Security Issues
14. Quiz 3: Workplace Crime and Hackers
15. Write Password Evaluator
16. How "Useless" Math Research Made the Internet Safer
17. Project: Research Project
18. Career Spotlight: Peter Norton
19. Quiz 4: Security Solutions
20. Review: Laws and Security
21. Test: Laws and Security
22. Glossary and Credits

Introduction to Computer Science

## Unit 10: Ethics

**Assignments**

1. Digital Citizenship
2. Bias and Equity
3. Ethics
4. Quiz 1: Digital Citizenship, Bias, Equity, and Ethics
6. Social Networking Issues
8. Digital Etiquette
9. Global Information Concerns
10. Quiz 2: Social Issues and Global Concerns
11. Collaboration Ethics
12. Information Censorship
13. Emerging Ethical Issus
14. Quiz 3: Collaboration Ethics and Information Censorship
15. Cultural Differences in a Team
16. Project: Programming as a Team
17. Online Education Issues
18. Career Spotlight: Cheiko Asakawa
19. Quiz 4: Emerging Ethical Issues
20. Review: Ethics
21. Test: Ethics
22. Glossary and Credits

Introduction to Computer Science

## Unit 11: Applications

**Assignments**

1. Web Programming
2. Block Programming
3. Pair Programming
4. Quiz 1: Programming Methods
6. Music and Video Files
8. Python Art
9. Application and Program Interfaces
10. Quiz 2: Media and APIs
11. Can You Beat the Computer?
12. Mobile Applications
13. Project: Create a Mobile App
14. Would You Want to Work with You?
15. Quiz 3: Mobile Apps and Work Readiness
16. Should You Work Here?
17. Project: You Are Tech Support
18. Career Organizations
19. Career Spotlight: Preparing for a Computer Science Career
20. Quiz 4: Careers
21. Review: Applications
22. Test: Applications
23. Glossary and Credits

ICS

## Unit 12: Semester 2 Review and Exam

**Assignments**

1. Semester 2 Review: Introduction to Computer Science
2. Semester 2 Exam: Introduction to Computer Science

ICS

## Unit 13: Final Exam

**Assignments**

1. Course Review: Introduction to Computer Science
2. Final Exam: Introduction to Computer Science

(*) Indicates alternative assignment

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# Music Appreciation

The goal of this semester-long course is to provide instruction in basic musical elements, trace the development and growth of classical music, and give students a strong foundation for a greater appreciation of music. Students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments. Students will learn the names and backgrounds of several famous musical composers. Students will also learn how and where classical music began, how it developed over the centuries, and the ways in which music and culture affect each other. Lastly, students will examine the ways modern music has been influenced by classical music.

This course also provides students with lessons in engaged listening. These special lessons allow students to listen and respond to music. A template for how to listen and respond is provided.

- **Discovering Music:** Students will learn the basics of listening to, responding to, and participating in music, including completing independent projects that utilize engaged listening skills; students will also understand music from other cultures.
- **Music Fundamentals:** Students will understand the fundamentals of music, including key concepts such as rhythm, melody, harmony, form, expression, and the types and categories of musical instruments.
- **Beginnings of Music:** Students will examine early music history, spanning from medieval times to the Baroque era, and complete focused research and writing projects on the topic.
- **Developing Music:** Students will explore a variety of classical and romantic music, continuing to participate in independent engaged listening projects to continue advancement of key skills.
- **Modern Music:** Students will focus on music of the twentieth-century, including popular, Broadway, and film music, culminating in project requiring students to attend and critique a classical concert in their community.
- **Course Review and Exam:** Students will complete a full review of key course concepts, and demonstrate their mastery through a final examination.

Music Appreciation

**Unit 1: Discovering Music**

**Assignments**

1. Course Overview
2. Appreciating Music
3. Listening to Music
4. Responding to Music
5. Participating in Music
6. Project: Music Response
7. Quiz 1: The Music Experience
8. Alternate Quiz 1 - Form A: The Music Experience*
9. Alternate Quiz 1 - Form B: The Music Experience*
10. Why Study Classical Music?
11. Music in Other Cultures
12. Folk Music
13. Ethnic Music
14. Project: Find Your Musical Heritage
15. Project: Engaged Listening
16. Quiz 2: Music in Society
17. Alternate Quiz 2 - Form A: Music in Society*
18. Alternate Quiz 2 - Form B: Music in Society*
19. Special Project*
20. Review
21. Test
22. Alternate Test - Form A*
23. Alternate Test - Form B*
24. Glossary and Credits

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Music Appreciation

## Unit 2: Music Fundamentals

**Assignments**

1. Rhythm
2. Melody
3. Harmony
4. Form
5. Expression
6. Project: Engaged Listening
7. Project: Music Response
8. Quiz 1: Understanding Music
9. Alternate Quiz 1 - Form A: Understanding Music*
10. Alternate Quiz 1 - Form B: Understanding Music*
11. Wind Instruments
12. Stringed Instruments & Beyond
13. Musical Ensembles
14. Project: Engaged Listening
15. Project: Creative Instrumentation
16. Quiz 2: Making Music
17. Alternate Quiz 2 - Form A: Making Music*
18. Alternate Quiz 2 - Form B: Making Music*
19. Special Project*
20. Review
21. Test
22. Alternate Test - Form A*
23. Alternate Test - Form B*
24. Glossary and Credits

Music Appreciation

## Unit 3: Beginnings of Music

**Assignments**

1. Life in Medieval Times
2. Music of the Medieval Era
3. Renaissance Life
4. Music of the Renaissance
5. Project: Engaged Listening
6. Project: Renaissance Moods
7. Quiz 1: Medieval and Renaissance Eras
8. Alternate Quiz 1 - Form A: Medieval and Renaissance Eras*
9. Alternate Quiz 1 - Form B: Medieval and Renaissance Eras*
10. Life during Baroque Times
11. Baroque Musical Style
12. Baroque Forms and Genres
13. The Birth of Opera
14. Baroque Composers
15. Project: Engaged Listening
16. Project: Patron of the Arts
17. Quiz 2: The Baroque Era (1600-1750)
18. Alternate Quiz 2 - Form A: The Baroque Era (1600-1750)*
19. Alternate Quiz 2 - Form B: The Baroque Era (1600-1750)*
20. Special Project*
21. Review
22. Test
23. Alternate Test - Form A*
24. Alternate Test - Form B*
25. Glossary and Credits

Music Appreciation

## Unit 4: Developing Music

**Assignments**

1. Life in the Classical Period
2. Classical Music
3. Classical Forms and Genres
4. Leading Classical Composers
5. Project: Engaged Listening
6. Project: Composer Under Suspicion
7. Quiz 1: The Classical Era (1750-1820)
8. Alternate Quiz 1 - Form A: The Classical Era (1750-1820)*
9. Alternate Quiz 1 - Form B: The Classical Era (1750-1820)*
10. Life in the Romantic Age
11. Romantic Musical
12. Romantic Genres & Form
13. Nationalism
14. Project: Engaged Listening
15. Project: Art
16. Quiz 2: The Romantic Era (1820-1900)
17. Alternate Quiz 2 - Form A: The Romantic Era (1820-1900)*
18. Alternate Quiz 2 - Form B: The Romantic Era (1820-1900)*
19. Special Project*
20. Review
21. Test
22. Alternate Test - Form A*
23. Alternate Test - Form B*
24. Glossary and Credits

Music Appreciation

## Unit 5: Modern Music

**Assignments**

1. Life and Music in the Twentieth Century
2. Twentieth-Century Musical Style
13. Project: Engaged Listening
14. Project: Concert Experience

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| | | |
|---|---|---|
| | 3. Modernism | 15. Quiz 2: Twentieth Century American Music |
| | 4. Beyond 1950 | 16. Alternate Quiz 2 - Form A: Twentieth Century American Music* |
| | 5. Project: Engaged Listening | |
| | 6. Project: Serialism | 17. Alternate Quiz 2 - Form B: Twentieth Century American Music* |
| | 7. Quiz 1: Twentieth Century Trends (1900-2000) | |
| | 8. Alternate Quiz 1 - Form A: Twentieth Century Trends (1900-2000)* | 18. Project: Defense of a Music Era |
| | | 19. Special Project* |
| | 9. Alternate Quiz 1 - Form B: Twentieth Century Trends (1900-2000)* | 20. Review |
| | | 21. Test |
| | 10. The Good Ol' USA | 22. Alternate Test - Form A* |
| | 11. Popular Music | 23. Alternate Test - Form B* |
| | 12. Broadway and Film Music | 24. Glossary and Credits |

| MA | Unit 6: Course Review and Exam | |
|---|---|---|
| | **Assignments** | |
| | 1. Units 1-2 Review | 4. Alternate Exam - Form A* |
| | 2. Units 3-5 Review | 5. Alternate Exam - Form B* |
| | 3. Exam | |

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# Music Theory

Students will explore the nature of music, integrating the key concepts of rhythm and meter, written music notation, the structure of various scale types, interval qualities, melody and harmony, the building of chords, and transposition. Throughout the series of assignments, ear training exercises are interspersed with the bones of composition technique, building in students the ability not only to hear and appreciate music, but step-by-step, to create it in written form as well. This highly interactive course culminates in the students producing original compositions, which while based on standard notation, demonstrate facets of personal expression. As the students' ability to perform increases in the future, they will better understand music and therefore better demonstrate its intrinsic communication of emotion and ideas.

- **Rhythm and Meter:** Students will build a foundational understanding of the elements of musical rhythm and meter, including the measure of different notes, time signatures, and special rhythms; additionally, students will participate in ear training exercises to build their skill in this area.
- **Notation and Pitch:** Students will identify musical symbols, intervals, and instrumentation, and will be able to use this knowledge to compose and original melody.
- **Scales and Key Signatures:** Students will examine scaled and both major and minor keys; projects include ongoing ear training exercises, the transposition of a melody to a new key, and the composition of original, non-diatonic melodies.
- **Harmony:** Students will construct an understanding of the key aspects of harmony including the various categories of intervals and triads, and participate in ongoing ear training exercises; this unit culminates in the independent composition of a simple accompaniment.
- **Making Music:** Students will actively participate in the interpretation and composition of music, utilizing their knowledge of musical elements such as rhythm, pitch, key, harmony, and expression.
- **Course Review and Exam:** Students will complete a full review of key course concepts, and demonstrate their mastery through a final examination.

Music Theory

**Unit 1: Rhythm and Meter**

**Assignments**

1. Course Overview
2. So, Why Study Music Anyway?
3. Feeling the Beat
4. The Value of a Note
5. Measuring Music
6. The Value of Silence
7. Dots and Ties
8. Ear Training #1 - Rhythm 1
9. Quiz 1: Introduction to Rhythm
10. Alternate Quiz 1 - Form A: Introduction to Rhythm*
11. Alternate Quiz 1 - Form B: Introduction to Rhythm*
12. 4/4 - The Basic Time Signature
13. Going Beyond 4/4
14. Still More Time Signatures
15. Counting a Bit Faster
16. Ear Training #2 - Rhythm 2
17. Special Rhythms
18. Creating a Rhythmic Piece
19. Quiz 2: Time Signature
20. Alternate Quiz 2 - Form A: Time Signature*
21. Alternate Quiz 2 - Form B: Time Signature*
22. Special Project*
23. Review
24. Test
25. Alternate Test - Form A*
26. Alternate Test - Form B*
27. Glossary and Credits

Music Theory

**Unit 2: Notation and Pitch**

**Assignments**

1. The Printed Page
2. The Musical Alphabet
3. Altering Pitches
4. Ear Training #3: Pitch
5. Direction and Signs
16. Alternate Quiz 2 - Form B: The Sound of Music*
17. Voicings
18. Instrumentation
19. Instrumentation 2
20. Ear Training #5: Identifying Instruments

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6. Quiz 1: The Look of Music
7. Alternate Quiz 1 - Form A: The Look of Music*
8. Alternate Quiz 1 - Form B: The Look of Music*
9. Musical Intervals
10. Writing Musical Intervals
11. Ear Training #4: Intervals
12. From Interval to Melody
13. Project: Composing a Simple Melody
14. Quiz 2: The Sound of Music
15. Alternate Quiz 2 - Form A: The Sound of Music*
21. Quiz 3: The Source of Music
22. Alternate Quiz 3 - Form A: The Source of Music*
23. Alternate Quiz 3 - Form B: The Source of Music*
24. Special Project*
25. Review
26. Test
27. Alternate Test - Form A*
28. Alternate Test - Form B*
29. Glossary and Credits

Music Theory

## Unit 3: Scales and Key Signatures

**Assignments**

1. Introduction to the Scale
2. The Minor Scale
3. Other Scales
4. Ear Training #6: Scales
5. Project: Composing Non-Diatonic Melodies
6. Quiz 1: Musical Scales
7. Alternate Quiz 1 - Form A: Musical Scales*
8. Alternate Quiz 1 - Form B: Musical Scales*
9. Employing Scales as Keys
10. Identifying Major Keys
11. Identifying Minor Keys
12. Comparing Major and Minor Keys
13. Changing Keys
14. Project: Transposing Melodies
15. Quiz 2: Musical Key Signatures
16. Alternate Quiz 2 - Form A: Musical Key Signatures*
17. Alternate Quiz 2 - Form B: Musical Key Signatures*
18. Special Project*
19. Review
20. Test
21. Alternate Test - Form A*
22. Alternate Test - Form B*
23. Glossary and Credits

Music Theory

## Unit 4: Harmony

**Assignments**

1. Interval Quality
2. Ear Training #7: Major or Minor?
3. Perfect Intervals
4. Ear Training #8: Major, Minor, or Perfect?
5. Augmented and Diminished Intervals
6. Ear Training #9: Harmony or Dissonance?
7. Quiz 1: Beginning to Harmonize
8. Alternate Quiz 1 - Form A: Beginning to Harmonize*
9. Alternate Quiz 1 - Form B: Beginning to Harmonize*
10. Building Triads
11. Comparing Triads
12. Inverting Triads
13. Ear Training #10: Hearing Triads
14. Using Triads and Chords
15. Project: Creating a Simple Accompaniment
16. Quiz 2: Working with Chords
17. Alternate Quiz 2 - Form A: Working with Chords*
18. Alternate Quiz 2 - Form B: Working with Chords*
19. Special Project*
20. Review
21. Test
22. Alternate Test - Form A*
23. Alternate Test - Form B*
24. Glossary and Credits

Music Theory

## Unit 5: Making Music

**Assignments**

1. Musical Performance
2. Musical Performance 2
3. Ornamentation
4. Phrasing
5. Style
6. Ear Training #11: Listening for Musical Expression
7. Quiz 1: Interpreting Music
8. Alternate Quiz 1 - Form A: Interpreting Music*
9. Alternate Quiz 1 - Form B: Interpreting Music*
10. Applications of Music
11. Arranging
12. Composition Principles
13. You're the Composer
14. Original Composition
15. Quiz 2: Finding Your Voice
16. Alternate Quiz 2 - Form A: Finding Your Voice*
17. Alternate Quiz 2 - Form B: Finding Your Voice*
18. Special Project*
19. Review
20. Test
21. Alternate Test - Form A*
22. Alternate Test - Form B*
23. Glossary and Credits

Music Theory

## Unit 6: Course Review and Exam

**Assignments**

1. Review
2. Exam
4. Alternate Exam - Form A*
5. Alternate Exam - Form B*

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# Personal Financial Literacy

Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives.

Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.

Upon completion of Personal Financial Literacy, students should possess the knowledge and skills needed to do the following:

- Find and evaluate financial information from a variety of sources when making personal financial decisions.
- Understand the role of income, taxes, and research in developing and planning a career path.
- Develop systems for managing money (including saving and investing) tied to personal financial goals.
- Recognize and understand a consumer's rights and responsibilities in a complex world market.

Personal Financial Literacy

**Unit 1: Financial Responsibility and Decision Making**

**Assignments**

1. Course Overview
2. Introduction to Financial Literacy
3. Self-Assessment
4. Taking Responsibility
5. Quiz 1: Overview of Financial Literacy
6. Alternate Quiz 1 - Form A: Overview of Financial Literacy*
7. Alternate Quiz 1 - Form B: Overview of Financial Literacy*
8. Finding and Evaluating Financial Information
9. Project: Reliable Financial Information
10. Quiz 2: Financial Information
11. Alternate Quiz 2 - Form A: Financial Information*
12. Alternate Quiz 2 - Form B: Financial Information*
13. Personal Financial Goals
14. Decision-Making Process
15. Project: Making Decisions
16. Quiz 3: Decision Making
17. Alternate Quiz 3 - Form A: Decision Making*
18. Alternate Quiz 3 - Form B: Decision Making*
19. Special Project*
20. Review
21. Test
22. Alternate Test - Form A*
23. Alternate Test - Form B*
24. Glossary and Credits

Personal Financial Literacy

**Unit 2: Careers and Income**

**Assignments**

1. Exploring Career Options
2. Starting a Business
3. Project: Self-Reflection
4. Career Path
5. Project: Reaching My Career Goals
6. Quiz 1: Careers
7. Alternate Quiz 1 - Form A: Careers*
8. Alternate Quiz 1 - Form B: Careers*
9. Sources of Income
10. My Paycheck
11. Taxes
12. Project: Tax Forms
13. Quiz 2: Income and Taxes
14. Alternate Quiz 2 - Form A: Income and Taxes*
15. Alternate Quiz 2 - Form B: Income and Taxes*
16. Special Project*
17. Review
18. Test
19. Alternate Test - Form A*
20. Alternate Test - Form B*
21. Glossary and Credits

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Personal Financial Literacy

## Unit 3: Money Management

**Assignments**

1. Overview of a Budget
2. Project: Spending Diary
3. Spending
4. Money Management Tools
5. Project: Create a Budget
6. Quiz 1: Budget
7. Alternate Quiz 1 - Form A: Budget*
8. Alternate Quiz 1 - Form B: Budget*
9. Financial Institutions
10. Project: Selecting a Bank
11. Services, Tools, and Resources
12. Checking Account
13. Project: Choosing a Checking Account
14. Project: Checkbook
15. Online Banking
16. Quiz 2: Financial Institutions and Services
17. Alternate Quiz 2 - Form A: Financial Institutions and Services*
18. Alternate Quiz 2 - Form B: Financial Institutions and Services*
19. Financial Risks
20. Project: Manage the Risks
21. Quiz 3: Risks
22. Alternate Quiz 3 - Form A: Risks*
23. Alternate Quiz 3 - Form B: Risks*
24. Special Project*
25. Review
26. Test
27. Alternate Test - Form A*
28. Alternate Test - Form B*
29. Glossary and Credits

Personal Financial Literacy

## Unit 4: Saving and Investing

**Assignments**

1. It Pays to Save
2. Savings Account
3. Special Savings Accounts
4. Project: Where Should I Save?
5. Quiz 1: Saving
6. Alternate Quiz 1 - Form A: Saving*
7. Alternate Quiz 1 - Form B: Saving*
8. Overview of Investing
9. Stocks
10. Project: Tracking Stock
11. Financial Planning
12. Project: Portfolio
13. Quiz 2: Investing
14. Alternate Quiz 2 - Form A: Investing*
15. Alternate Quiz 2 - Form B: Investing*
16. Special Project*
17. Review
18. Test
19. Alternate Test - Form A*
20. Alternate Test - Form B*
21. Glossary and Credits

Personal Financial Literacy

## Unit 5: Credit, Debt, and Consumer Skills

**Assignments**

1. Debt and Stewardship
2. Credit Cards
3. Project: Selecting a Credit Card
4. Creditworthy
5. Credit Problems
6. Quiz 1: Credit
7. Alternate Quiz 1 - Form A: Credit*
8. Alternate Quiz 1 - Form B: Credit*
9. Overview of Loans
10. Mortgages
11. Other Loans
12. Project: Making a Large Purchase
13. Rent or Buy
14. Quiz 2: Loans
15. Alternate Quiz 2 - Form A: Loans*
16. Alternate Quiz 2 - Form B: Loans*
17. Consumer Rights
18. Consumer Purchases
19. Project: Smart Consumer
20. Quiz 3: Consumers
21. Alternate Quiz 3 - Form A: Consumers*
22. Alternate Quiz 3 - Form B: Consumers*
23. Special Project*
24. Review
25. Test
26. Alternate Test - Form A*
27. Alternate Test - Form B*
28. Glossary and Credits

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## Unit 6: Course Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam - Form A*
4. Alternate Exam - Form B*

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# Physical Education

Physical Education is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included.

Students will have the opportunity to perform each sport on their own time, while keeping a log of activity. The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits.

Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes.

Upon completion of Physical Education, students should possess the knowledge and skills needed to do the following:

- Define physical fitness and describe the components of being physically fit
- Evaluate their fitness level
- Apply physical fitness, nutrition-related, and weight-management skills to their lives
- Understand and apply safe exercise rules
- Describe the history and rules of sports such as basketball, baseball, football, soccer, volleyball, and gymnastics
- Describe and apply skills needed for a variety of sports

Physical Education

**Unit 1: Physical Education**

**Assignments**

1. Course Overview
2. Defining Physical Fitness
3. Principles of Training
4. Project: Principles of Training
5. Risk Factors and Behaviors
6. Project: Risk Factors and Behaviors
7. Balance and Flexibility
8. How the Heart Works
9. Project: How the Heart Works
10. Muscular Strength and Endurance
11. Evaluating Your Fitness Level
12. Nutrition
13. Project: Nutrition
14. Weight Management
15. Responsible Choices
16. Project: Responsible Choices
17. Handling Your Stress
18. Exercise Safety
19. Soccer
20. Project: Soccer
21. Basketball Overview
22. Project: Basketball Overview
23. Understanding Football
24. Project: Understanding Football
25. Modern Baseball
26. Project: Modern Baseball
27. Baseball History
28. Project: Baseball History
29. Volleyball
30. Project: Volleyball
31. Title IX and Gender Issues in Sports
32. Project: Title IX and Gender Issues in Sports
33. Olympics
34. Project: Olympics
35. Controversy in the Olympic Games
36. Project: Controversy in the Olympic Games
37. Golf
38. Project: Golf
39. Tennis
40. Swimming
41. Project: Swimming
42. Gymnastics
43. Running
44. Project: Running
45. Racewalking
46. Careers in Sports
47. Project: Careers in Sports
48. Test
49. Glossary and Credits

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# Physical Fitness

Physical Fitness is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long term exercise program.

As students work through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of flexibility, cardiovascular health, muscle and strength training, and realistic goal setting. Along the way, students will be required to maintain and submit an activity log in order to measure progress in course exercises, as well as in personal fitness goals.

Upon completion of Physical Fitness, students should possess the knowledge and skills needed to do the following:

- Analyze the key components of successful physical activity and use this analysis to determine if a program is reasonable and effective.
- Describe the three main types of physical activity that should be included in a exercise regime and the health benefits of each.
- Perform basic fitness exercises associated with the three main types of physical activity discussed in this course.
- Identify the main motivational strategies that can be used to help the student continue in positive fitness habits once this course is completed.

Physical Fitness

**Unit 1: An Overview of Fitness**

**Assignments**

1. Course Overview
2. What is Physical Fitness?
3. Why Should I Exercise?
4. Quiz 1: Physical Fitness and Exercise
5. Alternate Quiz 1-Form A: Physical Fitness and Exercise*
6. Alternate Quiz 1-Form B: Physical Fitness and Exercise*
7. Physical Benefits
8. Mental and Emotional Benefits
9. Longevity
10. Quiz 2: Benefits of Exercise
11. Alternate Quiz 2-Form A: Benefits of Exercise*
12. Alternate Quiz 2-Form B: Benefits of Exercise*
13. What is Nutrition?
14. Weight Control
15. Putting the Pieces Together
16. Project: Food Analysis
17. Quiz 3: Basic Nutrition
18. Alternate Quiz 3-Form A: Basic Nutrition*
19. Alternate Quiz 3-Form B: Basic Nutrition*
20. Special Project*
21. Review
22. Test
23. Alternate Test-Form A*
24. Alternate Test-Form B*
25. Glossary and Credits

Physical Fitness

**Unit 2: Flexibility Training**

**Assignments**

1. Daily Activity versus Planned Exercise
2. Project: Using the Activity Log
3. Warm-ups and Cool-Downs
4. Quiz 1: Planning Daily Exercise
5. Alternate Quiz 1-Form A: Planning Daily Exercise*
6. Alternate Quiz 1-Form B: Planning Daily Exercise*
7. Is Stretching Exercise?
8. Physical Benefits of Stretching
9. Project: Test your Flexibility
10. Quiz 2: Stretching
11. Alternate Quiz 2-Form A: Stretching*
12. Alternate Quiz 2-Form B: Stretching*
13. Correct Motion and Breathing
14. Project: Upper Body Flexibility Exercises
15. Project: Lower Body Flexibility Exercises
16. Project: Whole Body Flexibility Exercises
17. Unit 2 Activity Log
18. Special Project*
19. Review
20. Test
21. Alternate Test-Form A*
22. Alternate Test-Form B*
23. Glossary and Credits

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Physical Fitness

## Unit 3: Cardiovascular Fitness

**Assignments**

1. What Defines Cardiovascular Exercise?
2. Benefits of Cardiovascular Training
3. Project: Test Your Cardiovascular Fitness Level
4. Quiz 1: Cardiovascular Training
5. Alternate Quiz 1-Form A: Cardiovascular Training*
6. Alternate Quiz 1-Form B: Cardiovascular Training*
7. Intensity Versus Duration
8. Project: Walking Drills
9. Project: Wind Sprints
10. Quiz 2: Intensity Versus Duration
11. Alternate Quiz 2-Form A: Intensity Versus Duration*
12. Alternate Quiz 2-Form B: Intensity Versus Duration*
13. Cardiovascular Exercise and Weight Control
14. Project: Low Impact Calorie Burning
15. Project: High Intensity Calorie Burning
16. Quiz 3: Cardiovascular Exercise and Weight Control
17. Alternate Quiz 3-Form A: Cardiovascular Exercise and Weight Control*
18. Alternate Quiz 3-Form B: Cardiovascular Exercise and Weight Control*
19. Unit 3 Activity Log
20. Special Project*
21. Review
22. Test
23. Alternate Test-Form A*
24. Alternate Test-Form B*
25. Glossary and Credits

Physical Fitness

## Unit 4: Resistance Training

**Assignments**

1. What is Strength Training?
2. How is Muscular Strength Developed?
3. Project: Test Your Muscular Strength and Endurance
4. Quiz 1: Resistance Training
5. Alternate Quiz 1-Form A: Resistance Training*
6. Alternate Quiz 1-Form B: Resistance Training*
7. A Combination of Resistance and Repetitions
8. Project: Isolating the Upper Body
9. Project: Isolating the Lower Body
10. Project: Developing Your Core
11. Project: Graded Resistance Exercise Performance
12. Strength Training and Weight Control
13. Quiz 2: The Resistance Training Workout
14. Alternate Quiz 2-Form A: The Resistance Training Workout*
15. Alternate Quiz 2-Form B: The Resistance Training Workout*
16. Unit 4 Activity Log
17. Special Project*
18. Review
19. Test
20. Alternate Test-Form A*
21. Alternate Test-Form B*
22. Glossary and Credits

Physical Fitness

## Unit 5: Motivation and Mindset

**Assignments**

1. Developing a Realistic Mindset and Goals
2. Adapting the Program Over Time
3. Project: Flexibility and Cardiovascular Exercise Workout
4. Quiz 1: Motivation and Mindset
5. Alternate Quiz 1-Form A: Motivation and Mindset*
6. Alternate Quiz 1-Form B: Motivation and Mindset*
7. Overuse injuries
8. Breaks and Plateaus
9. Project: A Cardiovascular Exercise Workout
10. Quiz 2: Dealing with Setbacks
11. Alternate Quiz 2-Form A: Dealing with Setbacks*
12. Alternate Quiz 2-Form B: Dealing with Setbacks*
13. Understanding Discouragement and Motivation
14. Success Strategies
15. Project: Try a Strategy for Success
16. Project: A Resistance Training and Flexibility Workout
17. Quiz 3: Staying Motivated
18. Alternate Quiz 3-Form A: Staying Motivated*
19. Alternate Quiz 3-Form B: Staying Motivated*
20. Unit 5 Activity Log
21. Special Project*
22. Review
23. Test
24. Alternate Test-Form A*
25. Alternate Test-Form B*
26. Glossary and Credits

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## Unit 6: Course Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam-Form A*
4. Alternate Exam-Form B*

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# Probability and Statistics A

Semester A of Probability of Statistics is designed to give 11th- and 12th-grade students an overview of basic concepts of statistics, with an emphasis on descriptive statistics. The semester begins with the key concepts of data, samples, and populations. Students will create visual representations of data sets, such as histograms and bar graphs. Students will describe the central tendency and spread of data for a data set. Students will look for patterns in a data set and determine models based on those patterns.

Each of the five units includes twelve lessons and one project. Each lesson has a minimum of thirteen formative assessment questions to enable students and their teacher to gauge student understanding. Summative assessments include three quizzes in each unit, a test for each unit, and a semester exam covering all five units. Each project uses concepts covered in the unit.

- Unit 1: Describe the types of statistics, types of data, types of studies, and sampling methods.
- Unit 2: Create visual representations of data sets using dot plots, stem-and-leaf displays, scatter plots, and find the model that best represents the data.
- Unit 3: Describe the central tendency of a data set using various measures.
- Unit 4: Describe the dispersion of a data set using both numerical measures and visual representations.
- Unit 5: Apply concepts learned in this lesson to a variety of real world applications.

Probability and Statistics A

**Unit 1: INTRODUCTION TO STATISTICS**

**Assignments**

1. Course Overview
2. Types of Statistics
3. Types of Data
4. Discrete and Continuous Data
5. Sample and Population
6. Quiz: Data
7. Alternate Quiz: Data*
8. Collecting Data
9. Sampling Bias
10. Simple Random Samples
11. Surveys
12. Quiz: Recognizing Bias
13. Alternate Quiz: Recognizing Bias*
14. Observational Studies
15. Experiments
16. Stratified Random Samples
17. Interpreting Results
18. Project: The Challenge to Be Random
19. Quiz: Types of Studies
20. Alternate Quiz: Types of Studies*
21. Unit Review
22. Test: Introduction to Statistics
23. Alternate Test: Introduction to Statistics*

Probability and Statistics A

**Unit 2: PRESENTING DATA**

**Assignments**

1. Simple Plots
2. Histograms and Bar Graphs
3. Central Tendency and Spread
4. Scatter Plots
5. Quiz: Displays
6. Alternate Quiz: Displays*
7. Graphical Line of Best Fit
8. Slope of a Line
9. Finding the Equation of a Line of Best Fit
10. Interpreting the Line of Best Fit
11. Quiz: Line of Best Fit
12. Alternate Quiz: Line of Best Fit*
13. Using Technology to Determine a Line of Best Fit
14. Nonlinear Relationships
15. Transforming Linear Functions by Vertical Change
16. Transforming Linear Functions by Changing the Slope
17. Project: Line of Best Fit
18. Quiz: Best Fit Functions
19. Alternate Quiz: Best Fit Functions*
20. Unit Review
21. Test: Presenting Data
22. Alternate Test: Presenting Data*
23. Glossary and Credits

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Probability and Statistics A

## Unit 3: MEASURES OF CENTRAL TENDENCY

**Assignments**

1. The Mean
2. The Median
3. The Mode
4. Sample and Population Mean
5. Quiz: Mean, Median, and Mode
6. Alternate Quiz: Mean, Median, and Mode*
7. Comparing Measures of Central Tendency
8. Frequency Tables and the Mode
9. Grouped Frequency Tables and the Modal Class
10. Frequency Tables and the Median
11. Quiz: Frequency Tables
12. Alternate Quiz: Frequency Tables*
13. Frequency Tables and the Mean
14. The Midrange
15. Cumulative Frequency
16. Cumulative Frequency Graphs
17. Project: Data Collection
18. Quiz: Using Frequency
19. Alternate Quiz: Using Frequency*
20. Unit Review
21. Test: Measures of Central Tendency
22. Alternate Test: Measures of Central Tendency*
23. Glossary and Credits

Probability and Statistics A

## Unit 4: MEASURES OF DISPERSION

**Assignments**

1. Range
2. Variance
3. Standard Deviation
4. Normal Distributions
5. Quiz: Dispersion
6. Alternate Quiz: Dispersion*
7. Percentile
8. Interquartile Range
9. The Five Key Points
10. Box Plots
11. Quiz: Dispersion Displays
12. Alternate Quiz: Dispersion Displays*
13. Estimating Population Dispersion
14. Irregular Data Sets
15. Sampling Distribution
16. Other Distribution Shapes
17. Project: Describing Data
18. Quiz: Distributions
19. Alternate Quiz: Distributions*
18. Unit Review
20. Test: Measures of Dispersion
21. Alternate Test: Measures of Dispersion*
22. Glossary and Credits

Probability and Statistics A

## Unit 5: APPLICATIONS

**Assignments**

1. Comparing Two Populations
2. Marginal and Joint Frequencies
3. Projecting to a Population
4. Categorical Data Analysis
5. Quiz: Populations
6. Alternate Quiz: Populations*
7. An Experimental Drug Study
8. Test Scores
9. Cigarettes and Lung Cancer
10. Another Look at Cigarettes and Lung Cancer
11. Quiz: Conducting Studies
12. Alternate Quiz: Conducting Studies*
13. Comparing Results for Cigarettes and Lung Cancer
14. Using Technology for Nonlinear Distributions
15. Power Functions
16. Logarithmic Relationships
17. Project: Experimental Drug Study
18. Quiz: Analyzing Data
19. Alternate Quiz: Analyzing Data*
20. Unit Review
21. Test: Applications
22. Alternate Test: Applications*
23. Glossary and Credits

## Unit 6: SEMESTER REVIEW AND EXAM

**Assignments**

1. Semester Review
2. Semester Exam
3. Alternate Semester Exam*

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# Psychology

Psychology is an introductory elective course for high school students. Throughout the course, students will examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. Students will develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others.

- **Unit 1:** Students will be introduced to the beginnings of psychology, research methods, and ethics of the profession.
- **Unit 2:** Students will examine the biology of behavior, sensory processes, motivation, and stress.
- **Unit 3:** Students will learn about the stages of human development and personality.
- **Unit 4:** Students will discover the different methods of learning, aspects of memory, language, and levels of consciousness.
- **Unit 5:** Students will explore mental disorders and abnormal behaviors and how to treat them. They will also determine why people obey and influence other's behavior.

Psychology

**Unit 1: INTRODUCTION AND METHODS**

**Assignments**

1. Course Overview
2. Introduction to Psychology
3. Experimental Psychology and Schools of Thought
4. More About Psychological Perspectives
5. Report: Influential Psychologists
6. Psychological Fields and Careers
7. Report: Understanding More about Careers in Psychology
8. Quiz 1: Introduction to Psychology
9. Research and Methods
10. Statistics
11. Balancing Right and Wrong (Ethics)
12. Experiment: Bouba-Kiki Effect
13. Essay: What Would You Do?
14. Quiz 2: Research and Methods
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

Psychology

**Unit 2: BIOPSYCHOSOCIAL PSYCHOLOGY**

**Assignments**

1. The Biology Behind Our Behavior
2. Sensory Processes
3. Project: Blind Spots
4. Project: Smell vs. Taste
5. Quiz 1: Biology and Sensory Processes
6. Motivation
7. Essay: What Motivates You?
8. Values and Expectations
9. Stress
10. Essay: Reflecting on Stress in Your Life
11. Quiz 2: Motivation, Emotion, Stress
12. Special Project*
13. Review
14. Test
15. Alternate Test*
16. Glossary and Credits

Psychology

**Unit 3: DEVELOPMENTAL PSYCHOLOGY**

**Assignments**

1. Lifespan Development
2. Piaget and Erikson: Theories of Development
3. Critical Periods
4. Research: Hereditary Conditions and Deformities
5. Quiz 1: Lifespan Development
9. Personality Tests
10. Essay: Character Counts
11. Quiz 2: Personality
12. Special Project*
13. Review

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| | | | | |
|---|---|---|---|---|
| | 6. | What is Personality? | 14. | Test |
| | 7. | Free Will vs. Determinism | 15. | Alternate Test* |
| | 8. | Essay: Do You Have a Choice? | 16. | Glossary and Credits |

| Psychology | | | | |
|---|---|---|---|---|
| **Unit 4: COGNITIVE PSYCHOLOGY** | | | | |
| **Assignments** | | | | |
| | 1. | What is Learning? | 12. | Consciousness and Sleep |
| | 2. | Conditioning | 13. | Dreams |
| | 3. | Observational Learning | 14. | Report: Dream Analysis |
| | 4. | Essay: Who is Your Role Model? | 15. | Research: Hypnosis |
| | 5. | Quiz 1: Learning | 16. | Quiz 3: Thinking, Language, Consciousness, and Sleep |
| | 6. | Memory | 17. | Special Project* |
| | 7. | The Brain and Memory | 18. | Review |
| | 8. | Project: Serial Position Effect | 19. | Test |
| | 9. | Quiz 2: Memory | 20. | Alternate Test* |
| | 10. | Thinking | 21. | Glossary and Credits |
| | 11. | Language | | |

| Psychology | | | | |
|---|---|---|---|---|
| **Unit 5: ABNORMAL AND GROUP BEHAVIOR** | | | | |
| **Assignments** | | | | |
| | 1. | Abnormal Behavior | 9. | Project: Conformity |
| | 2. | Mental Disorders | 10. | Essay: How Can You Use Influence for Good? |
| | 3. | Treating Disorders | 11. | Quiz 2: Group Behavior |
| | 4. | Report: Medication | 12. | Special Project* |
| | 5. | Quiz 1: Abnormal Behavior | 13. | Review |
| | 6. | Obedience to Authority | 14. | Test |
| | 7. | Altruism | 15. | Alternate Test* |
| | 8. | Social Influence and Conformity | 16. | Glossary and Credits |

| Psychology | | | | |
|---|---|---|---|---|
| **Unit 6: COURSE REVIEW AND EXAM** | | | | |
| **Assignments** | | | | |
| | 1. | Review | 2. | Exam |
| | 3. | Alternate Exam* | | |

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# Spanish I

Spanish I is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities.

Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency.

Upon completion of the course, students should be able to do the following:

- Use Spanish in everyday situations in a basic manner and in both oral and written communication.
- Use vocabulary necessary to function as a tourist in Spanish-speaking countries.
- Demonstrate a basic knowledge of the Spanish-speaking world.
- Listen to and understand basic passages in Spanish related to various themes.
- Read and understand basic passages in Spanish related to various themes.
- Compare and contrast cultural aspects of Hispanic countries and the United States.

Spanish I introduces students to the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture.

Spanish I

| Unit 1: Amigos en el Mundo | |
|---|---|
| **Assignments** | |
| 1. Course Overview | 1. Course Overview |
| 2. A comenzar: Las primeras palabras | 2. Let's Start: The First Words |
| 3. ¿Dónde se habla español en el mundo? | 3. Where in the World is Spanish Spoken? |
| 4. El alfabeto | 4. The Alphabet |
| 5. Saludos y expresiones | 5. Expressions for Greeting People |
| 6. Cómo saludamos en los países de habla hispana | 6. How to Greet Someone in a Spanish Speaking Country |
| 7. Prueba 1: El español en el mundo | 7. Quiz 1: Spanish in the World |
| 8. Prueba alterna - Versión A: El español en el mundo* | 8. Alternate Quiz - Form A: Spanish in the World* |
| 9. Prueba alterna - Versión B: El español en el mundo* | 9. Alternate Quiz - Form B: Spanish in the World* |
| 10. Los pronombres: Primera parte | 10. Subject Pronouns: Part One |
| 11. Los pronombres: Segunda parte | 11. Subject Pronouns: Part Two |
| 12. Los nombres y los artículos definidos | 12. Nouns and Definite Articles |
| 13. Los colores: Una introducción a los adjectivos | 13. Colors: An Introduction to Adjectives |
| 14. Practiquemos más adjetivos | 14. Let's Practice More Adjectives |
| 15. Prueba 2: Pronombres y géneros | 15. Quiz 2: Pronouns and Gender |
| 16. Prueba alterna - Versión A: Pronombres y géneros* | 16. Alternate Quiz - Form A: Pronouns and Gender* |
| 17. Prueba alterna - Versión B: Pronombres y géneros* | 17. Alternate Quiz - Form B: Pronouns and Gender* |
| 18. En clase | 18. In the Classroom |
| 19. Los verbos | 19. Verbs |
| 20. Más verbos | 20. More Verbs |
| 21. Prueba 3: El presente | 21. Quiz 3: Present Tense |
| 22. Prueba alterna - Versión A: El presente* | 22. Alternate Quiz - Form A: Present Tense* |
| 23. Prueba alterna - Versión B: El presente* | 23. Alternate Quiz - Form B: Present Tense* |
| 24. Proyecto: ¡Vamos a viajar! | 24. Project: Let's Travel! |
| 25. Proyecto Especial* | 25. Special Project* |
| 26. Repaso | 26. Review |
| 27. Examen | 27. Exam |
| 28. Examen alterno - Versión A* | 28. Alternate Exam - Form A* |
| 29. Examen alterno - Versión B* | 29. Alternate Exam - Form B* |
| 30. Glosario y créditos | 30. Glossary and Credits |

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Spanish I

| Unit 2: Amigos en Ee.Uu. | |
|---|---|
| **Assignments** | |
| 1. Las oportunidades de usar el español | 1. Opportunities to Use Spanish |
| 2. Lo que no hacemos | 2. What We Don't Do |
| 3. Los números parte 1 | 3. Numbers Part 1 |
| 4. Los números parte 2 | 4. Numbers Part 2 |
| 5. ¿Qué día es hoy? | 5. What Day is Today? |
| 6. ¿Qué hora es? | 6. What Time is It? |
| 7. Más sobre la hora | 7. More about Time |
| 8. Prueba 1: El horario del viaje | 8. Quiz 1: The Schedule of the Trip |
| 9. Prueba alterna - Versión A: El horario del viaje* | 9. Alternate Quiz - Form A: The Schedule of the Trip* |
| 10. Prueba alterna - Versión B: El horario del viaje* | 10. Alternate Quiz - Form B: The Schedule of the Trip* |
| 11. ¿Formal o no? | 11. Formal or Informal? |
| 12. ¿Cómo es? | 12. What is He or She Like? |
| 13. Segunda conjugación | 13. Second Conjugation |
| 14. Tercera conjugación | 14. Third Conjugation |
| 15. Estructura y partes de la oración | 15. Structure and Parts of the Sentence |
| 16. Cómo empezar una conversación. Las presentaciones | 16. How to Begin a Conversation: Introductions |
| 17. Prueba 2: Presentaciones: Conozcamos gente | 17. Quiz 2: Introductions: Let’s Get to Know People |
| 18. Prueba alterna - Versión A: Presentaciones: Conozcamos gente* | 18. Alternate Quiz - Form A: Introductions: Let's Get to Know People* |
| 19. Prueba alterna - Versión B: Presentaciones: Conozcamos gente* | 19. Alternate Quiz - Form B: Introductions: Let's Get to Know People* |
| 20. Proyecto: ¿Cómo es mi familia? | 20. Project: What is My Family Like? |
| 21. Proyecto Especial* | 21. Special Project* |
| 22. Repaso | 22. Review |
| 23. Examen | 23. Exam |
| 24. Examen alterno - Versión A* | 24. Alternate Exam – Form A* |
| 25. Examen alterno - Versión B* | 25. Alternate Exam – Form B* |
| 26. Glosario y créditos | 26. Glossary and Credit |

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Spanish I

## Unit 3: Amigos en México

| Assignments | |
|---|---|
| 1. ¡Ay Chihuahua! ¡Hay tantas culturas en México! | 1. Wow! There are so Many Cultures in Mexico! |
| 2. ¿En qué se diferencia mi vida de la vida en México? | 2. How is My Life Different Than Life in Mexico? |
| 3. ¡Vamos a la playa! | 3. Let's Go to the Beach! |
| 4. La tierra del jarabe tapatío | 4. The Land of the Mexican Hat Dance |
| 5. La historia de México: Un vistazo a su gente a través del arte | 5. The History of Mexico: A Look at the People Through Art |
| 6. Una historia de amor: A practicar los verbos en México D.F. | 6. A Love Story: Practicing Verbs in Mexico City |
| 7. Prueba 1: La tierra de los Aztecas | 7. Quiz 1: The Land of the Aztecs |
| 8. Prueba alterna - Versión A: La tierra de los Aztecas* | 8. Alternate Quiz - Form A: The Land of the Aztecs* |
| 9. Prueba alterna - Versión B: La tierra de los Aztecas* | 9. Alternate Quiz - Form B: The Land of the Aztecs* |
| 10. La cultura en el mercado: Una visita a Veracruz | 10. Culture in the Market: A Visit to Veracruz |
| 11. La quinceañera: Una invitación especial | 11. The Sweet Fifteen Party: An Invitation |
| 12. ¡Vamos a la corrida!: Una estancia en Campeche | 12. Let's Go to the Bullfight: A Stay in Campeche |
| 13. El mundo maya | 13. The Mayan World |
| 14. ¡Qué viva México! ¡Viva la independencia! | 14. Long Live Mexico and its Independence! |
| 15. ¡Qué padre es México! Una carta a la familia | 15. Mexico is so Cool! A Letter to the Family |
| 16. Prueba 2: La tierra de los Mayas | 16. Quiz 2: The Land of the Mayas |
| 17. Prueba alterna - Versión A: La tierra de los Mayas* | 17. Alternate Quiz - Form A: The Land of the Mayas* |
| 18. Prueba alterna - Versión B: La tierra de los Mayas* | 18. Alternate Quiz - Form B: The Land of the Mayas* |
| 19. Proyecto: Mi amigo mexicano | 19. Project: My Mexican Friend |
| 20. Proyecto Especial* | 20. Special Project* |
| 21. Repaso | 21. Review |
| 22. Examen | 22. Exam |
| 23. Examen alterno - Versión A* | 23. Alternate Exam – Form A* |
| 24. Examen alterno - Versión B* | 24. Alternate Exam – Form B* |
| 25. Glosario y créditos | 25. Glossary and Credits |

Spanish I

## Unit 4: Amigos en Argentina

| Assignments | |
|---|---|
| 1. Charlie y Sophie llegan a Buenos Aires | 1. Charlie and Sophie Arrive in Buenos Aires |
| 2. Una visita familiar: ¡Vamos a tomar el té! | 2. A Family Visit: Let's Have Tea! |
| 3. Una súper naturaleza: Las cataratas más altas de América | 3. Super Nature: The Highest Waterfalls in the Americas |
| 4. Bosques de Palermo: Un día en el parque | 4. Bosques de Palermo: A Day at the Park |
| 5. Mar del Plata: ¡Vamos a pasarla re-bien en la playa! | 5. Mar del Plata: We'll have a Great Time at the Beach! |
| 6. ¡Vamos a bailar! | 6. Let's Dance! |
| 7. Prueba 1: La vida argentina | 7. Quiz 1: Argentinean Life |
| 8. Prueba alterna - Versión A: La vida argentina* | 8. Alternate Quiz – Form A: Argentinean Life* |
| 9. Prueba alterna - Versión B: La vida argentina* | 9. Alternate Quiz – Form B: Argentinean Life* |
| 10. El valle de Lerma: una rica historia | 10. The Valley of Lerma: A Rich History |
| 11. El Camino Inca | 11. The Inca Trail |
| 12. La vida en las pampas de Argentina | 12. Life in the Argentinean Pampas |
| 13. ¡A disfrutar el aire libre!: Un viaje por el oeste | 13. Let's Enjoy the Outdoors: A Trip West |
| 14. ¡Qué frío hace en Santa Cruz! | 14. It's So Cold in Santa Cruz! |
| 15. Una reunión familiar fantástica: Vamos a la Tierra del Fuego | 15. A Fantastic Family Reunion: Let's Go to the Tierra del Fuego |
| 16. Prueba 2: A viajar por Argentina | 16. Quiz 2: Let's Travel in Argentina |
| 17. Prueba alterna - Versión A: A viajar por Argentina* | 17. Alternate Quiz Form – A: Let's Travel in Argentina* |
| 18. Prueba alterna - Versión B: A viajar por Argentina* | 18. Alternate Quiz Form – B: Let's Travel in Argentina* |
| 19. Proyecto: Mi familia | 19. Project: My Family |
| 20. Proyecto Especial* | 20. Special Project* |
| 21. Repaso | 21. Review |
| 22. Examen | 22. Exam |
| 23. Examen alterno - Versión A* | 23. Alternate Exam – Form A* |
| 24. Examen alterno - Versión B* | 24. Alternate Exam – Form B* |
| 25. Glosario y créditos | 25. Glossary and Credits |

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## Unit 5: Amigos en Honduras y el Salvador

| Assignments | |
|---|---|
| 1. Sophie y Charlie llegan a Honduras | 1. Sophie and Charlie Arrive in Honduras |
| 2. Un árbol muy útil: La Ceiba | 2. A Very Useful Tree: The Ceiba |
| 3. ¡Hace frío y llueve, pero no nieva! | 3. It's Cold and It Rains, But It Doesn't Snow! |
| 4. El mundo maya en Honduras | 4. The Mayan World in Honduras |
| 5. ¿Qué podemos comprar en Honduras? | 5. What Can We Buy in Honduras? |
| 6. Proyecto: Un pronóstico meteorológico | 6. Project: A Weather Forecast |
| 7. ¿Cuándo?, no entiendo. | 7. When? I Don't Understand. |
| 8. Proyecto: A cocinar ticucos | 8. Project: Let's Make Ticucos |
| 9. Prueba 1: Amigos en Honduras | 9. Quiz 1: Friends in Honduras |
| 10. Prueba alterna - Versión A: Amigos en Honduras* | 10. Alternate Quiz – Form A: Friends in Honduras* |
| 11. Prueba alterna - Versión B: Amigos en Honduras* | 11. Alternate Quiz – Form B: Friends in Honduras* |
| 12. Charlie y Sophie llegan a El Salvador | 12. Charlie and Sophie Arrive in El Salvador |
| 13. El clima de El Salvador | 13. The Climate of El Salvador |
| 14. Proyecto: Un mapa del tiempo | 14. Project: A Weather Map |
| 15. ¿Es Carlos sensible? | 15. Is Charlie Sensitive? |
| 16. Trabajamos todos: el café salvadoreño | 16. Everybody Works: Salvadoran Coffee |
| 17. Las artesanias, ¡qué buen trabajo! | 17. Arts and Crafts, What a Great Job! |
| 18. Proyecto: ¡A cocinar un platillo salvadoreño! | 18. Project: Let's Make Salvadoran Food! |
| 19. ¿Qué están haciendo? | 19. What Are They Doing? |
| 20. ¡No se puede decir que lo que es saludable no es delicioso! | 20. It Cannot Be Said That Healthy Isn't Delicious! |
| 21. Prueba 2: Amigos en El Salvador | 21. Quiz 2: Friends in El Salvador |
| 22. Prueba alterna - Versión A: Amigos en El Salvador* | 22. Alternate Quiz – Form A: Friends in El Salvador* |
| 23. Prueba alterna - Versión B: Amigos en El Salvador* | 23. Alternate Quiz – Form B: Friends in El Salvador* |
| 24. Proyecto: Un viaje inolvidable | 24. Project: An Unforgettable Trip |
| 25. Proyecto Especial* | 25. Special Project* |
| 26. Repaso | 26. Review |
| 27. Examen | 27. Exam |
| 28. Examen alterno - Versión A* | 28. Alternate Exam – Form A* |
| 29. Examen alterno - Versión B* | 29. Alternate Exam – Form B* |
| 30. Glosario y créditos | 30. Glossary and Credits |

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## Unit 6: Repaso y Examen Semestral

| Assignments | |
|---|---|
| 1. Repaso | 1. Review |
| 2. Examen | 2. Exam |
| 3. Examen alterno - Versión A* | 3. Alternate Exam – Form A* |
| 4. Examen alterno - Versión B* | 4. Alternate Exam – Form B* |

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## Unit 7: Amigos en Puerto Rico

| Assignments | |
|---|---|
| 1. Sophie y Charlie llegan a la capital de Puerto Rico: San Juan | 1. Sophie and Charlie Arrive at the Capital of Puerto Rico: San Juan |
| 2. ¡Buen provecho! de Guavate! | 2. Bon Appétit from Guavate! |
| 3. Proyecto: ¡Vamos a freir los plátanos amarillos! | 3. Project: Let's Fry Some Yellow Plantains! |
| 4. ¡A la orden! Un dia de compras en la plaza Las Américas. | 4. At Your Service! A Day of Shopping at Plaza Las Americas. |
| 5. Un clima tropical: El Yunque | 5. Tropical Climate: El Yunque |
| 6. Un festival en la plaza central de Toa Baja | 6. A Festival at the Town Square of Toa Baja |
| 7. El turismo en Piñones | 7. Tourism at Piñones |
| 8. Prueba 1: San Juan y sus alrededores | 8. Quiz 1: San Juan and the Metropolitan Area |
| 9. Prueba alterna - Versión A: San Juan y sus alrededores* | 9. Alternate Quiz - Form A: San Juan and the Metropolitan Area* |
| 10. Prueba alterna - Versión B: San Juan y sus alrededores* | 10. Alternate Quiz - Form B: San Juan and the Metropolitan Area* |
| 11. El festival nacional indigena de Jayuya | 11. The National Indigenous Festival of Jayuya |
| 12. El paisaje de la playa por la costa de la isla | 12. The Scenery of the Beach along the Coast of the Island |
| 13. La vida ponceña | 13. Life in Ponce |
| 14. A parrandear por la isla | 14. Let's Celebrate Christmas on the Island |
| 15. Proyecto: Hagámos conjuntos: Comparemos las casas | 15. Project: Let's Make a Venn Diagram: Let's Compare Houses |
| 16. El territorio de Karst: un paraiso con cavernas | 16. The Karst Territory: A Cave Paradise |
| 17. ¡Vamos a Vieques a acampar! | 17. Let's go Camping in Vieques! |
| 18. Prueba 2: La vida en la isla | 18. Quiz 2: Life on the Island |
| 19. Prueba alterna - Versión A: La vida en la isla* | 19. Alternate Quiz - Form A: Life on the Island* |
| 20. Prueba alterna - Versión B: La vida en la isla* | 20. Alternate Quiz - Form B: Life on the Island* |
| 21. Proyecto: ¡Hagamos un modelo de la casa perfecta! | 21. Project: Let's Build a Model of Our Dream House! |
| 22. Proyecto Especial* | 22. Special Project* |
| 23. Repaso | 23. Review |
| 24. Examen | 24. Exam |
| 25. Examen alterno - Versión A* | 25. Alternate Exam – Form A* |
| 26. Examen alterno - Versión B* | 26. Alternate Exam – Form B* |
| 27. Glosario y créditos | 27. Glossary and Credits |

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## Unit 8: Amigos en España

| Assignments | |
|---|---|
| 1. Carlos y Sofía llegan a Madrid, la capital de España | 1. Charlie and Sophie Arrive in Madrid, the Capital of Spain |
| 2. Proyecto: España y mi país | 2. Project: Spain and my Country |
| 3. ¡Otro día en Madrid! | 3. Another Day in Madrid! |
| 4. Un día en la universidad de Salamanca | 4. A Day at the University in Salamanca |
| 5. Carlos y Sofía llegan a la capital de España: Madrid | 5. Charlie and Sophie Arrive in the Capital of Spain, Madrid |
| 6. La cultura catalana de España | 6. Catalonian Culture in Spain |
| 7. Prueba 1: Los gustos | 7. Quiz 1: Likes and Dislikes |
| 8. Prueba alterna - Versión A: Los gustos* | 8. Alternate Quiz - Form A: Likes and Dislikes* |
| 9. Prueba alterna - Versión B: Los gustos* | 9. Alternate Quiz - Form B: Likes and Dislikes* |
| 10. La cultura gallega en España | 10. Galician Culture In Spain |
| 11. Proyecto: Las comidas que me gustan | 11. Project: The Foods That I Like |
| 12. Un vistazo a España central | 12. A View of Central Spain |
| 13. El paisaje de los moros en Andalucía | 13. The Scenery of the Moors in Andalusia |
| 14. Escapemos a un paraiso en el Mediterráneo | 14. Let's Escape To A Paradise in the Mediterranean |
| 15. Prueba 2: Lo que haría | 15. Quiz 2: What I Would Do |
| 16. Prueba alterna - Versión A: Lo que haría* | 16. Alternate Quiz - Form A: What I Would Do* |
| 17. Prueba alterna - Versión B: Lo que haría* | 17. Alternate Quiz - Form B: What I Would Do* |
| 18. Proyecto: Mi restaurante | 18. Project: My Restaurant |
| 19. Proyecto Especial* | 19. Special Project* |
| 20. Repaso | 20. Review |
| 21. Examen | 21. Exam |
| 22. Examen alterno - Versión A* | 22. Alternate Exam – Form A* |
| 23. Examen alterno - Versión B* | 23. Alternate Exam – Form B* |
| 24. Glosario y créditos | 24. Glossary and Credits |

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## Unit 9: Amigos en Cuba

| Assignments | |
|---|---|
| 1. Carlos y Sofía llegan a La Habana | 1. Charlie and Sophie Arrive in Havana |
| 2. ¡A comer en Cuba! | 2. Let's Eat in Cuba! |
| 3. Unas aventuras cubanas | 3. Some Cuban Adventures |
| 4. Proyecto: Una muñeca de papel | 4. Project: A Paper Doll |
| 5. Prueba 1: A conocer la vida cubana | 5. Quiz 1: Let's Get to Know Cuban Life |
| 6. Prueba alterna - Versión A: A conocer la vida cubana* | 6. Alternate Quiz - Form A: Let's Get to Know Cuban Life* |
| 7. Prueba alterna - Versión B: A conocer la vida cubana* | 7. Alternate Quiz - Form B: Let's Get to Know Cuban Life* |
| 8. ¡Me duele la cabeza! | 8. I Have a Headache! |
| 9. El ritmo de África y la melodía de Europa | 9. The Rhythm of Africa and the Melody of Europe |
| 10. Proyecto: Mi raro amigo | 10. Project: My Strange Friend |
| 11. Otra isla cubana | 11. Another Cuban Island |
| 12. Prueba 2: A viajar por Cuba | 12. Quiz 2: Let's Travel Through Cuba |
| 13. Prueba alterna - Versión A: A viajar por Cuba* | 13. Alternate Quiz - Form A: Let's Travel Through Cuba* |
| 14. Prueba alterna - Versión B: A viajar por Cuba* | 14. Alternate Quiz - Form B: Let's Travel Through Cuba* |
| 15. Proyecto: Mi Álbum de recuerdos | 15. Project: My Memory Album |
| 16. Proyecto Especial* | 16. Special Project* |
| 17. Repaso | 17. Review |
| 18. Examen | 18. Exam |
| 19. Examen alterno - Versión A* | 19. Alternate Exam – Form A* |
| 20. Examen alterno - Versión B* | 20. Alternate Exam – Form B* |
| 21. Glosario y créditos | 21. Glossary and Credits |

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## Unit 10: Amigos en la República Dominicana

| Assignments | |
|---|---|
| 1. Carlos y Sofía llegan a Santo Domingo | 1. Charlie and Sophie Arrive in Santo Domingo |
| 2. Una aventura en Puerto Plata | 2. An Adventure in Puerto Plata |
| 3. Proyecto: ¡A conversar! | 3. Project: Let's Have a Conversation! |
| 4. Carlos y Sofía suben a una montaña | 4. Charlie and Sophie Climb a Mountain |
| 5. Prueba 1: A prepararse para la aventura | 5. Quiz 1: Getting Ready for the Adventure |
| 6. Prueba alterna - Versión A: A prepararse para la Aventura* | 6. Alternate Quiz - Form A: Getting Ready for the Adventure* |
| 7. Prueba alterna - Versión B: A prepararse para la Aventura* | 7. Alternate Quiz - Form B: Getting Ready for the Adventure* |
| 8. Sofía descubre larimar en Santiago | 8. Sophie Discovers Larimar in Santiago |
| 9. Carlos y Sofía conocen las ballenas de la República Dominicana | 9. Charlie and Sophie Meet the Whales of the Dominican Republic |
| 10. Carlos y Sofía están trabajando cuando llega un desastre | 10. Charlie and Sophie Are Working When a Disaster Arrives |
| 11. Proyecto: ¡A cocinar arroz con leche! | 11. Project: Let's Make Rice Pudding! |
| 12. Prueba 2: ¡En busca de buenos precios! | 12. Quiz 2: In Search of Good Prices! |
| 13. Prueba alterna - Versión A: ¡En busca de Buenos precios!* | 13. Alternate Quiz Form A: In Search of Good Prices!* |
| 14. Prueba alterna - Versión B: ¡En busca de Buenos precios!* | 14. Alternate Quiz Form B: In Search of Good Prices!* |
| 15. Proyecto: Mi álbum de recuerdos | 15. Project: My Memory Album |
| 16. Proyecto Especial* | 16. Special Project* |
| 17. Repaso | 17. Review |
| 18. Examen | 18. Exam |
| 19. Examen alterno - Versión A* | 19. Alternate Exam – Form A* |
| 20. Examen alterno - Versión B* | 20. Alternate Exam – Form B* |
| 21. Glosario y créditos | 21. Glossary and Credits |

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## Unit 11: Amigos en Panamá

| Assignments | |
|---|---|
| 1. Carlos y Sofía llegan a la capital de Panamá | 1. Charlie and Sophie Arrive in the Capital of Panama |
| 2. Carlos y Sofía piden direcciones | 2. Charlie and Sophie Ask for Directions |
| 3. Proyecto: A explorar la ciudad | 3. Project: Let's Explore the City |
| 4. Prueba 1: A conocer la capital de Panamá | 4. Quiz 1: Let's Get To Know the Capital of Panama |
| 5. Prueba alterna - Versión A: A conocer la capital de Panamá* | 5. Alternate Quiz - Form A: Let's Get To Know the Capital of Panama* |
| 6. Prueba alterna - Versión B: A conocer la capital de Panamá* | 6. Alternate Quiz - Form B: Let's Get To Know the Capital of Panama* |
| 7. Carlos y Sofía viajan por El Canal de Panamá | 7. Charlie and Sophie Travel the Panama Canal |
| 8. Carlos y Sofía recuerdan sus viajes | 8. Charlie and Sophie Remember their Travels |
| 9. Carlos y Sofía recuerdan las aventuras de todo el año | 9. Charlie and Sophie Remember their Adventures throughout the Year |
| 10. Proyecto: La presentación de diapositivas de mis recuerdos inolvidables | 10. Project: My Slide Show of Unforgettable Memories |
| 11. Prueba 2: A viajar por Panamá | 11. Quiz 2: Let's Travel Panama |
| 12. Prueba alterna - Versión A: A viajar por Panamá* | 12. Alternate Quiz - Form A: Let's Travel Panama* |
| 13. Prueba alterna - Versión B: A viajar por Panamá* | 13. Alternate Quiz - Form B: Let's Travel Panama* |
| 14. Proyecto Especial* | 14. Special Project* |
| 15. Repaso | 15. Review |
| 16. Examen | 16. Exam |
| 17. Examen alterno - Versión A* | 17. Alternate Exam – Form A* |
| 18. Examen alterno - Versión B* | 18. Alternate Exam – Form B* |
| 19. Glosario y créditos | 19. Glossary and Credits |

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| Unit 12: Repaso y Examen Semestral | |
|---|---|
| **Assignments** | |
| 1. Repaso | 1. Review |
| 2. Examen | 2. Exam |
| 3. Examen alterno - Versión A* | 3. Alternate Exam – Form A* |
| 4. Examen alterno - Versión B* | 4. Alternate Exam – Form B* |

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# Spanish II

Spanish II is a high school foreign language course that builds upon skills and concepts taught in *Spanish I*, emphasizing communication, cultures, connections, comparisons, and communities.

Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency.

Upon completion of the course, students should be able to do the following:

- Use Spanish in everyday situations in both oral and written communication.
- Use vocabulary necessary to live in a Spanish-speaking country.
- Demonstrate an understanding of Hispanic countries.
- Listen to and understand passages in Spanish related to various themes.
- Read and understand passages in Spanish related to themes.
- Compare and contrast cultural aspects of Hispanic countries and the United States.

This course gives students practice using the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture.

Spanish II

**Unit 1: Amigos en el Mundo**

| Assignments | |
|---|---|
| 1. Course Overview | 1. Course Overview |
| 2. Introducción al mundo hispanohablante | 2. Introduction to the Spanish Speaking World |
| 3. El español en los EE.UU. | 3. Spanish in the U.S. |
| 4. ¿Por qué hablamos tanto el español? | 4. Why Do We Speak Spanish So Much? |
| 5. Del viejo mundo al nuevo mundo | 5. From the Old World to the New World |
| 6. Prueba 1: Me gusta el español | 6. Quiz 1: I like Spanish |
| 7. Prueba alterna - Versión A: Me gusta el español* | 7. Alternate Quiz - Form A: I like Spanish* |
| 8. Prueba alterna - Versión B: Me gusta el español* | 8. Alternate Quiz - Form B: I like Spanish* |
| 9. Del nuevo mundo al viejo mundo | 9. From the New World to the Old World |
| 10. ¿Qué haces todos los días? | 10. What Do You Do Every Day? |
| 11. Prueba 2: La rutina diaria | 11. Quiz 2: Daily Routine |
| 12. Prueba alterna - Versión A: La rutina diaria* | 12. Alternate Quiz - Form A: Daily Routine* |
| 13. Prueba alterna - Versión B: La rutina diaria* | 13. Alternate Quiz - Form B: Daily Routine* |
| 14. ¡Cosas qué hacer y lugares adónde viajar! | 14. Things to Do and Places to Go! |
| 15. ¡Ágape! | 15. Potluck |
| 16. Ser o no ser | 16. To Be or Not to Be |
| 17. Una despedida cariñosa | 17. A Fond Farewell |
| 18. ¿Cómo es tu rutina diaria? | 18. Project: How Is Your Daily Routine? |
| 19. Prueba 3: En casa y de paseo | 19. Quiz 2: At Home and Out and About |
| 20. Prueba alterna - Versión A: En casa y de paseo* | 20. Alternate Quiz - Form A: At Home and Out and About* |
| 21. Prueba alterna - Versión B: En casa y de paseo* | 21. Alternate Quiz - Form B: At Home and Out and About* |
| 22. Proyecto especial* | 22. Special Project* |
| 23. Repaso | 23. Review |
| 24. Examen | 24. Exam |
| 25. Examen alterno - Versión A* | 25. Alternate Exam – Form A* |
| 26. Examen alterno - Versión B* | 26. Alternate Exam – Form B* |
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## Unit 2: Amigos en Chile

| Assignments | |
|---|---|
| 1. El programa de intercambio 'Vive y aprende' | 1. The 'Live and Learn' Exchange Program |
| 2. Una lección de geografía | 2. A Geography Lesson |
| 3. Una excursión educativa | 3. An Educational Field Trip |
| 4. Prueba 1: Me gusta estudiar en Chile | 4. Quiz 1: I Love Studying in Chile |
| 5. Prueba alterna - Versión A: Me gusta estudiar en Chile* | 5. Alternate Quiz - Form A: I Love Studying in Chile* |
| 6. Prueba alterna - Versión B: Me gusta estudiar en Chile* | 6. Alternate Quiz - Form B: I Love Studying in Chile* |
| 7. El primer día de clases | 7. The First Day of Classes |
| 8. La clase de deportes | 8. P.E. Class |
| 9. La clase de literatura | 9. Literature Class |
| 10. Prueba 2: Personajes chilenos | 10. Quiz 2: Chilean Personalities |
| 11. Prueba alterna - Versión A: Personajes chilenos | 11. Alternate Quiz - Form A: Chilean Personalities* |
| 12. Prueba alterna - Versión B: Personajes chilenos | 12. Alternate Quiz - Form B: Chilean Personalities* |
| 13. ¡Aprender otro idioma es difícil! | 13. Learning another language is hard! |
| 14. ¡Ser maestro es difícil! | 14. Being a teacher is hard! |
| 15. La naturaleza es una buena maestra | 15. Nature Is a Good Teacher |
| 16. Proyecto: La escuela ideal | 16. Project: The Ideal School |
| 17. Prueba 3: Chile: Fin del Cono Sur | 17. Quiz 3: Chile: The Southern Cone's End |
| 18. Prueba alterna - Versión A: Chile: Fin del Cono Sur* | 18. Alternate Quiz - Form A: Chile: The Southern Cone's End* |
| 19. Prueba alterna - Versión B: Chile: Fin del Cono Sur* | 19. Alternate Quiz - Form B: Chile: The Southern Cone's End* |
| 20. Proyecto especial* | 20. Special Project* |
| 21. Repaso | 21. Review |
| 22. Examen | 22. Exam |
| 23. Examen alterno - Versión A* | 23. Alternate Exam – Form A* |
| 24. Examen alterno - Versión B* | 24. Alternate Exam – Form B* |
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## Unit 3: Amigos en Venezuela

| Assignments | |
|---|---|
| 1. La tierra de gracia | 1. Land of Grace |
| 2. Caracas: El hogar de Simón Bolívar | 2. Caracas: Home of Simon Bolivar |
| 3. Una lección de geografía | 3. A Geography Lesson |
| 4. Prueba 1: Estamos en Venezuela | 4. Quiz 1: We are in Venezuela |
| 5. Prueba alterna - Versión A: Estamos en Venezuela* | 5. Alternate Quiz - Form A: We are in Venezuela* |
| 6. Prueba alterna - Versión B: Estamos en Venezuela* | 6. Alternate Quiz - Form B: We are in Venezuela* |
| 7. Los venezolanos: Un crisol de la raza humana | 7. Venezuelans: A Melting Pot of Humanity |
| 8. Buen porte y buenos modales abren puertas principales | 8. Etiquette is the Key to Success |
| 9. Venezuela: Valores y tradiciones | 9. Venezuela: Values and Traditions |
| 10. Prueba 2: La Feria Internacional de Artesanos de Venezuela | 10. Quiz 2: The International Craft Fair in Venezuela |
| 11. Prueba alterna - Versión A: La Feria Internacional de Artesanos de Venezuela* | 11. Alternate Quiz - Form A: The International Craft Fair in Venezuela* |
| 12. Prueba alterna - Versión B: La Feria Internacional de Artesanos de Venezuela* | 12. Alternate Quiz - Form B: The International Craft Fair in Venezuela* |
| 13. ¡Disfrutemos al aire libre en la isla Margarita! | 13. Let's enjoy the Outdoors on Margarita Island! |
| 14. Proyecto especial de un folleto turístico | 14. Project: A Tourist Pamphlet |
| 15. La música y el baile | 15. Music and Dance |
| 16. La gastronomía venezolana | 16. Venezuelan Cuisine |
| 17. ¡A jugar béisbol! | 17. Play Ball! |
| 18. Prueba 3: Lo tuyo es mío y lo mío es tuyo | 18. Quiz 3: What is yours is mine and what is mine is yours |
| 19. Prueba alterna - Versión A: Lo tuyo es mío y lo mío es tuyo* | 19. Alternate Quiz - Form A: What is yours is mine and what is mine is yours* |
| 20. Prueba alterna - Versión B: Lo tuyo es mío y lo mío es tuyo* | 20. Alternate Quiz - Form B: What is yours is mine and what is mine is yours* |
| 21. Proyecto especial* | 21. Special Project* |
| 22. Repaso | 22. Review |
| 23. Examen | 23. Exam |
| 24. Examen alterno - Versión A* | 24. Alternate Exam – Form A* |
| 25. Examen alterno - Versión B* | 25. Alternate Exam – Form B* |
| 26. Glosario y créditos | 26. Glossary and Credits |

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## Unit 4: Amigos en Perú

| Assignments | |
|---|---|
| 1. Próximo destino: Perú | 1. Next Stop: Peru |
| 2. Me encanta el Perú | 2. I love Peru |
| 3. Cusco: La capital antigua de los incas | 3. Cusco: The Ancient Capital of Incas |
| 4. ¡Machu Picchu es una maravilla! | 4. Macchu Picchu is a Wonder! |
| 5. Prueba 1: Amo el Perú | 5. Quiz 1: I love Peru |
| 6. Prueba alterna - Versión A: Amo el Perú* | 6. Alternate Quiz - Form A: I love Peru* |
| 7. Prueba alterna - Versión B: Amo el Perú* | 7. Alternate Quiz - Form B: I love Peru* |
| 8. Puno y Lago Titicaca | 8. Puno and Lake Titicaca |
| 9. El choque cultural | 9. Culture Shock |
| 10. Proyecto: La importancia del patrimonio cultural | 10. Project: The Importance of Cultural Heritage |
| 11. La selva amazónica y Puerto Maldonado | 11. The Amazon Rainforest and Puerto Maldonado |
| 12. Perdido en la traducción | 12. Lost in the Translation |
| 13. Prueba 2: Las zonas del Perú | 13. Quiz 2: Peru's Areas |
| 14. Prueba alterna - Versión A: Las zonas del Perú* | 14. Alternate Quiz - Form A: Peru's Areas* |
| 15. Prueba alterna - Versión B: Las zonas del Perú* | 15. Alternate Quiz - Form B: Peru's Areas* |
| 16. Proyecto especial* | 16. Special Project* |
| 17. Repaso | 17. Review |
| 18. Examen | 18. Exam |
| 19. Examen alterno - Versión A* | 19. Alternate Exam – Form A* |
| 20. Examen alterno - Versión B* | 20. Alternate Exam – Form B* |
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## Unit 5: Amigos en Colombia

| Assignments | |
|---|---|
| 1. La arqueología: Una carrera ideal para Sofía | 1. Archeology: An Ideal Career for Sophie |
| 2. Carlos:'Yo quiero ser arquitecto' | 2. Charlie: I Want to Be an Architect |
| 3. ¿Un trabajo o una carrera? | 3. A Job Versus a Career |
| 4. Las profesiones y los oficios | 4. Professions and Trades |
| 5. Prueba 1: ¿Una carrera o un trabajo? | 5. Quiz 1: A Career or a Job? |
| 6. Prueba alterna - Versión A: ¿Una carrera o un trabajo?* | 6. Alternate Quiz - Form A: A Career or a Job?* |
| 7. Prueba alterna - Versión B: ¿Una carrera o un trabajo?* | 7. Alternate Quiz - Form B: A Career or a Job?* |
| 8. Un viaje a Cartagena | 8. A Trip to Cartagena |
| 9. La influencia española en Colombia | 9. Spanish Influence in Colombia |
| 10. Proyecto: La exploración de carreras | 10. Project: Career Exploration |
| 11. Prueba 2: Profesiones | 11. Quiz 2: Professions |
| 12. Prueba alterna - Versión A: Profesiones* | 12. Alternate Quiz - Form A: Professions* |
| 13. Prueba alterna - Versión B: Profesiones* | 13. Alternate Quiz - Form B: Professions* |
| 14. El mesero distraído | 14. The Absent-minded Waiter |
| 15. Carlos llena una solicitud de empleo | 15. Charlie Fills Out a Job Application |
| 16. Proyecto: Una tableau vivant o pintura viviente | 16. Project: A Tableau Vivant or Living Picture |
| 17. La entrevista de empleo | 17. The Job Interview |
| 18. Prueba 3: La feria de las flores | 18. Quiz 3: The Flower Fair |
| 19. Prueba alterna - Versión A: La feria de las flores* | 19. Alternate Quiz - Form A: The Flower Fair* |
| 20. Prueba alterna - Versión B: La feria de las flores* | 20. Alternate Quiz - Form B: The Flower Fair* |
| 21. Proyecto especial* | 21. Special Project* |
| 22. Repaso | 22. Review |
| 23. Examen | 23. Exam |
| 24. Examen alterno - Versión A* | 24. Alternate Exam – Form A* |
| 25. Examen alterno - Versión B* | 25. Alternate Exam – Form B* |
| 26. Glosario y créditos | 26. Glossary and Credits |

Spanish II

## Unit 6: Repaso y Examen Semestral

| Assignments | |
|---|---|
| 1. Repaso | 1. Review |
| 2. Examen | 2. Exam |
| 3. Examen alterno - Versión A* | 3. Alternate Exam – Form A* |
| 4. Examen alterno - Versión B* | 4. Alternate Exam – Form B* |

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Spanish II

| Unit 7: Amigos en Guatemala | |
|---|---|
| **Assignments** | |
| 1. Un viaje en camioneta | 1. A Truck Ride |
| 2. ¡A aplanar calles en Antigua! | 2. Wandering the Streets of Antigua! |
| 3. ¡Toqué una tortuga! | 3. I Touched a Turtle! |
| 4. Tantos murieron... | 4. So Many Died ... |
| 5. Prueba 1: ¡Guatemala es lo máximo! | 5. Quiz 1: Guatemala is the best! |
| 6. Prueba alterna - Versión A: ¡Guatemala es lo máximo!* | 6. Alternate Quiz - Form A: Guatemala is the best!* |
| 7. Prueba alterna - Versión B: ¡Guatemala es lo máximo!* | 7. Alternate Quiz - Form B: Guatemala is the best!* |
| 8. Un recorrido por Tikal | 8. A Tour of Tikal |
| 9. Un guardabosques hablador | 9. A Talkative Ranger |
| 10. Estuvimos en Chichicastenango | 10. We were in Chichicastenango |
| 11. Proyecto: Mi diario imaginario | 11. Project: My Imaginary Diary |
| 12. Prueba 2: Tikal, Chichicastenango y el volcán Pacaya | 12. Quiz 2: Tikal, Chichicastenango and the Pacaya Volcano |
| 13. Prueba alterna - Versión A: Tikal, Chichicastenango y el volcán Pacaya* | 13. Alternate Quiz - Form A: Tikal, Chichicastenango and the Pacaya Volcano* |
| 14. Prueba alterna - Versión B: Tikal, Chichicastenango y el volcán Pacaya* | 14. Alternate Quiz - Form B: Tikal, Chichicastenango and the Pacaya Volcano* |
| 15. ¿Y eso se come? | 15. And You Eat That? |
| 16. Se dice que... | 16. It is Said that ... |
| 17. Proyecto: Mi receta secreta | 17. Project: My Secret Recipe |
| 18. Prueba 3: ¡Hasta luego Guatemala! | 18. Quiz 3: Bye, Guatemala! |
| 19. Prueba alterna - Versión A: ¡Hasta luego Guatemala!* | 19. Alternate Quiz - Form A: Bye, Guatemala!* |
| 20. Prueba alterna - Versión B: ¡Hasta luego Guatemala!* | 20. Alternate Quiz - Form B: Bye, Guatemala!* |
| 21. Proyecto especial* | 21. Special Project* |
| 22. Repaso | 22. Review |
| 23. Examen | 23. Exam |
| 24. Examen alterno - Versión A* | 24. Alternate Exam – Form A* |
| 25. Examen alterno - Versión B* | 25. Alternate Exam – Form B* |
| 26. Glosario y créditos | 26. Glossary and Credits |

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Spanish II

| Unit 8: Amigos en Bolivia y Ecuador | |
|---|---|
| **Assignments** | |
| 1. Las dos ciudades capitales | 1. The Two Capital Cities |
| 2. Andábamos por Tiahuanacu y el lago Titicaca | 2. We Were Walking Through Tiahuanacu and Lake Titicaca |
| 3. ¿Querías sal para esa comida? | 3. Did You Want Salt for that Meal? |
| 4. Íbamos a Cochabamba cuando yo era niña... | 4. We Would Go To Cochabamba When I Was Little... |
| 5. El camino inca | 5. Inca Trail |
| 6. Proyecto: Mi árbol de conversación | 6. Project: My Conversation Tree |
| 7. Prueba 1: De Capítulo Uno | 7. Quiz 1: From Chapter One |
| 8. Prueba alterna - Versión A: De Capítulo Uno* | 8. Alternate Quiz - Form A: From Chapter One* |
| 9. Prueba alterna - Versión B: De Capítulo Uno* | 9. Alternate Quiz - Form B: From Chapter One* |
| 10. ¿Conoces Guayaquil? ¿Qué sabes de ella? | 10. Have You Been to Guayaquil? What Do You Know About It? |
| 11. Conocimos mucho sobre Quito | 11. We Learned a lot about Quito |
| 12. ¡A conocer la región de la amazonía! | 12. To know the region of the Amazon! |
| 13. Las islas Galápagos | 13. The Galapagos Islands |
| 14. Proyecto: Una composición sobre mi niñez | 14. Project: A Composition About My Childhood |
| 15. Prueba 2: De Capítulo Dos | 15. Quiz 2: From Chapter Two |
| 16. Prueba alterna - Versión A: De Capítulo Dos* | 16. Alternate Quiz - Form A: From Chapter Two* |
| 17. Prueba alterna - Versión B: De Capítulo Dos* | 17. Alternate Quiz - Form B: From Chapter Two* |
| 18. Proyecto Especial* | 18. Special Project* |
| 19. Repaso | 19. Review |
| 20. Examen | 20. Test |
| 21. Examen alterno - Versión A* | 21. Alternate Test – Form A* |
| 22. Examen alterno - Versión B* | 22. Alternate Exam – Form B* |
| 23. Glosario y créditos | 23. Glossary and Credits |

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Spanish II

## Unit 9: Amigos en Costa Rica

| Assignments | |
|---|---|
| 1. ¡Pura vida! en San José Costa Rica. | 1. Things Are Great In San José, Costa Rica! |
| 2. ¡A hablar del pasado! | 2. Let's Talk about the Past! |
| 3. La hospitalidad de los ticos de Parismina | 3. The Hospitality of the Costa Ricans of Parismina |
| 4. La vida en la selva costarricense | 4. Life in the Costa Rican jungle |
| 5. Un sismo de 6,2º en la escala de Richter, ¡qué desastre! | 5. An Earthquake Measuring 6.2 ° on the Richter Scale, What a Mess! |
| 6. Una mina de oro para los turistas. | 6. A Gold Mine for Tourists. |
| 7. El turismo astronómico: ¡la vista de estrellas más hermosa del mundo! | 7. Astronomy for Tourists: The Most Beautiful View of the Stars in the World! |
| 8. Prueba 1: ¡Pura vida Costa Rica! | 8. Quiz 1: Costa Rica, It's All Good! |
| 9. Prueba alterna - Version A: ¡Pura vida Costa Rica!* | 9. Alternate Quiz - Form A - Costa Rica, It's All Good!* |
| 10. Prueba alterna - Version B: ¡Pura vida Costa Rica!* | 10. Alternate Quiz - Form B - Costa Rica, It's All Good!* |
| 11. La tecnología detrás de las industrias de Costa Rica | 11. The Technology behind the Industries of Costa Rica |
| 12. Carlos y Sofía visitan el Caribe en Costa Rica | 12. Charlie and Sophie Visit the Caribbean in Costa Rica |
| 13. Compañías multinacionales en Costa Rica | 13. Multinational Companies in Costa Rica |
| 14. El instituto de tecnología | 14. The Institute of Technology |
| 15. Una visita a la Amistad | 15. A Visit to La Amistad |
| 16. Proyecto: Un gran recuerdo | 16. Project: A Great Memory |
| 17. Prueba 2: Costa Rica en el pasado | 17. Quiz 2 - Costa Rica in the Past |
| 18. Prueba alterna - Version A: Costa Rica en el pasado* | 18. Alternate Quiz - Form A - Costa Rica in the Past* |
| 19. Prueba alterna - Version B: Costa Rica en el pasado* | 19. Alternate Quiz - Form B - Costa Rica in the Past* |
| 20. Proyecto especial* | 20. Special Project* |
| 21. Repaso | 21. Review |
| 22. Examen | 22. Test |
| 23. Examen alterno - Versión A* | 23. Alternate Test – Form A* |
| 24. Examen alterno - Versión B* | 24. Alternate Test – Form B* |
| 25. Glosario y créditos | 25. Glossary and Credits |

Spanish II

## Unit 10: Amigos en Paraguay y Uruguay

| Assignments | |
|---|---|
| 1. Carlos y Sofía toman una clase de historia | 1. Charlie and Sophie Take a History Class |
| 2. Carlos y Sofía juegan a buscar | 2. Charlie and Sophie Go on a Scavenger Hunt |
| 3. Guten tag de Filadelfia, en Paraguay | 3. "Guten Tag" from Philadelphia in Paraguay |
| 4. Bienvenidos al oriente de Paraguay | 4. Welcome to Eastern Paraguay |
| 5. Proyecto: Cómo hacer lo que hago yo | 5. Project: How to Do what I Do |
| 6. Prueba 1: Amigos en Paraguay | 6. Quiz 1 – Friends in Paraguay |
| 7. Prueba alterna - Versión A: Amigos en Paraguay* | 7. Alternate Quiz - Form A - Friends in Paraguay* |
| 8. Prueba alterna - Versión B: Amigos en Paraguay* | 8. Alternate Quiz - Form B - Friends in Paraguay* |
| 9. Carlos y Sofía llegan a Montevideo | 9. Charlie and Sophie Arrive at Montevideo |
| 10. Los pueblos del río Uruguay | 10. The River Towns of Uruguay |
| 11. Carlos y Sofía exploran la frontera | 11. Charlie and Sophie Explore the Border |
| 12. Carlos y Sofía conocen a un gaucho | 12. Charlie and Sophie Meet a Gaucho |
| 13. Prueba 2: Amigos en Uruguay | 13. Quiz 2 - Friends in Uruguay |
| 14. Prueba alterna - Versión A: Amigos en Uruguay* | 14. Alternate Quiz - Form A - Friends in Uruguay* |
| 15. Prueba alterna - Versión B: Amigos en Uruguay* | 15. Alternate Quiz - Form B - Friends in Uruguay* |
| 16. Proyecto especial* | 16. Special Project* |
| 17. Repaso | 17. Review |
| 18. Examen | 18. Test |
| 19. Examen alterno - Versión A* | 19. Alternate Test – Form A* |
| 20. Examen alterno - Versión B* | 20. Alternate Test – Form B* |
| 21. Glosario y créditos | 21. Glossary and Credits |

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Spanish II

## Unit 11: Amigos en Nicaragua

| Assignments | |
|---|---|
| 1. ¡Conozcamos al doctor! | 1. Let's Meet the Doctor! |
| 2. El agua de Nicaragua, ¡ojalá que mejore! | 2. The Water of Nicaragua, Hopefully It Improves! |
| 3. Proyecto: La falta de agua potable en Nicaragua y algunos problemas de salud | 3. Project: The Lack of Drinkable Water in Nicaragua and Related Health Problems |
| 4. ¡Me duele la cabeza! | 4. I Have a Headache! |
| 5. Prueba 1: ¡No me siento bien! | 5. Quiz 1: I Don't Feel Well! |
| 6. Prueba alterna - Versión A: ¡No me siento bien!* | 6. Alternate Quiz - Form A: I Don't Feel Well!* |
| 7. Prueba alterna - Versión B: ¡No me siento bien!* | 7. Alternate Quiz - Form B: I Don't Feel Well!* |
| 8. Carlos y Sofía se preparan para despedirse de Latino América | 8. Charlie and Sophie Get Ready to Say Goodbye to Latin America |
| 9. Mamá y papá, ¡quiero que me compren un carro! | 9. Mom and Dad, I Want You to Buy Me a Car! |
| 10. Proyecto: ¡Que te mantengas sano! | 10. Project: May You Stay Healthy |
| 11. Amigos en Latino América | 11. Friends in Latin America |
| 12. Proyecto: Mis consejos a los demás | 12. Project: My Advice to Others |
| 13. Prueba 2: ¡Quiero que viajes bien y que comas comida buena! | 13. Quiz 3 : I Hope That Your Travels Go Well and That You Eat Good Food! |
| 14. Prueba alterna - Versión A: ¡Quiero que viajes bien y que comas comida buena!* | 14. Alternate Quiz - Form A : I Hope That Your Travels Go Well and That You Eat Good Food!* |
| 15. Prueba alterna - Versión B: ¡Quiero que viajes bien y que comas comida buena!* | 15. Alternate Quiz - Form B : I Hope That Your Travels Go Well and That You Eat Good Food!* |
| 16. Proyecto especial* | 16. Special Project* |
| 17. Repaso | 17. Review |
| 18. Examen | 18. Test |
| 19. Examen alterno - Versión A* | 19. Alternate Test – Form A* |
| 20. Examen alterno - Versión B* | 20. Alternate Test – Form B* |
| 21. Glosario y créditos | 21. Glossary and Credits |

Spanish II

## Unit 12: Repaso y Examen Semestral

| Assignments | |
|---|---|
| 1. Repaso | 1. Review |
| 2. Examen | 2. Exam |
| 3. Examen alterno - Versión A* | 3. Alternate Exam – Form A* |
| 4. Examen alterno - Versión B* | 4. Alternate Exam – Form B* |

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# Spanish III

Spanish III is a high school foreign language course that builds upon skills and concepts taught in Spanish II, emphasizing communication, cultures, connections, comparisons, and communities.

Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency.

Upon completion of the course, students should be able to do the following:

- Speak Spanish in everyday situations to communicate with other Spanish speakers.
- Write accurately and appropriately in Spanish to communicate with other Spanish speakers.
- Listen to and understand passages in Spanish related to various themes.
- Read and understand passages in Spanish related to various themes.
- Compare and contrast cultural aspects of Hispanic countries.
- Demonstrate an understanding of Hispanic countries and their corresponding cultures.

Spanish III

| Unit 1: Somos Hispanos (We Are Hispanic) | |
|---|---|
| **Assignments** | |
| 1. Course Overview | 1. Course Overview |
| 2. Nuestra Lengua | 2. Our Language |
| 3. Legado de Espana y de ostras culturas | 3. The Legacy of Spain and Other Cultures |
| 4. Nuestras tradiciones y celebraciones | 4. Our Traditions and Celebrations |
| 5. Prueba 1 | 5. Quiz 1 |
| 6. Prueba 1 alterna – Versión A* | 6. Quiz 1 Alternate: Form A* |
| 7. Prueba 1 alterna - Versión B* | 7. Quiz 1 Alternate: Form B* |
| 8. Nuestra historia | 8. Our History |
| 9. Nuestros antepasados | 9. Our Ancestors |
| 10. Nuestra tierra natal | 10. Our Land |
| 11. Proyecto 1: Entrevista de hablantes de otros idiomas | 11. Project 1: Interview Speakers of Other Languages |
| 12. Prueba 2 | 12. Quiz 2 |
| 13. Prueba 2 alterna - Versión A* | 13. Quiz 2 Alternate: Form A* |
| 14. Prueba 2 alterna - Versión B* | 14. Quiz 2 Alternate: Form B* |
| 15. Nuestros valores | 15. Our Values |
| 16. Nuestra gente | 16. Our People |
| 17. Nuestra presencia en el mundo | 17. Our Presence in the World |
| 18. Proyecto 2: Comparación de la vida en familia | 18. Project 2: Comparison of Family Life |
| 19. Repaso | 19. Review |
| 20. Examen | 20. Test |
| 21. Examen alterno - Versión A* | 21. Test - Alternate: Form A* |
| 22. Examen alterno - Versión B* | 22. Test - Alternate: Form B* |
| 23. Glosario y créditos | 23. Glossary and Credits |

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Spanish III

**Unit 2: Día a Día (Day to Day)**

| Assignments | |
|---|---|
| 1. Así somos | 1. What We're Like |
| 2. Así nos divertimos | 2. How We Have Fun |
| 3. Nuestra vida social | 3. Our Social Life |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. En el colegio | 7. At school |
| 8. En casa | 8. At home |
| 9. En familia | 9. As a Family |
| 10. Proyecto 1: Una escuela del mundo hispanohablante | 10. Project 1: A School in the Spanish-speaking World |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. Las relaciones familiares | 14. Our Family Relationships |
| 15. Cómo me pueden ayudar | 15. How they Can Help Me |
| 16. ¡Comuniquémonos! | 16. Communicate! |
| 17. Proyecto 2: Mi red social | 17. Project 2: My Social Network |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A* | 20. Test - Alternative: Form A* |
| 21. Examen alterno - Versión B* | 21. Test - Alternative: Form B* |
| 22. Glosario y créditos | 22. Glossary and Credits |

Spanish III

**Unit 3: Noticias, Farándula, y Entretenimiento (News, Showbusiness, and Entertainment)**

| Assignments | |
|---|---|
| 1. Noticias de primera plana | 1. Front Page News |
| 2. El mundo del deporte | 2. The World of Sports |
| 3. El mundo de la política | 3. The World of Politics |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. La página social | 7. Society Pages |
| 8. Los clasificados | 8. Classifieds |
| 9. El mundo de la televisión | 9. The World of TV |
| 10. Proyecto 1: Televisión en español | 10. Project 1: Television in Spanish |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. El mundo de cine | 14. The World of Film |
| 15. La far├índula y el entretenimiento | 15. Showbusiness and Entertainment |
| 16. Pron├│stico del clima | 16. Weather Forecast |
| 17. Proyecto 2: Cine en español | 17. Project 2: Movies in Spanish |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A* | 20. Test - Alternative: Form A* |
| 21. Examen alterno - Versión B* | 21. Test - Alternative: Form B* |
| 22. Glosario y créditos | 22. Glossary and Credits |

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Spanish III

## Unit 4: Tecnología y Comunicación (Technology and Communication)

| Assignments | |
|---|---|
| 1. De la llamada telefónica al mensaje de texto | 1. From Phone Calls to Text Messages |
| 2. Lenguaje cibernético en español | 2. Cyber Language in Spanish |
| 3. Foros de información en español | 3. Informational Forums in Spanish |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. Aprendizaje y trabajo a distancia | 7. Remote Learning and Working |
| 8. Muchas carreras para elegir | 8. The Best Careers |
| 9. Los mejores trabajos | 9. The Best Jobs |
| 10. Proyecto 1: En busca de trabajo | 10. Project 1: Looking for Work |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. Desaf ├¡os de la tecnología | 14. Challenges Posed by Technology |
| 15. Robots en la actualidad y en el futuro | 15. Robots Now and in the Future |
| 16. Entretenimiento virtual | 16. Virtual Entertainment |
| 17. Proyecto 2: ¿Cómo usan la tecnología? | 17. Project 2: How Do You Use Technology? |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A* | 20. Test - Alternative: Form A* |
| 21. Examen alterno - Versión B* | 21. Test - Alternative: Form B* |
| 22. Glosario y créditos | 22. Glossary and Credits |

Spanish III

## Unit 5: A Nuestro Alrededor (All Around Us)

| Assignments | |
|---|---|
| 1. Ciudades espectaculares | 1. Spectacular Cities |
| 2. Lo mejor de la vida en la ciudad | 2. The Best of City Life |
| 3. Parques y recreación | 3. Parks and Recreation |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. ¿Adónde vas de compras? | 7. Where do you go shopping? |
| 8. Grandes eventos deportivos y populares | 8. Major Sporting Events and Other Popular Events |
| 9. ¿Por qué no vamos en metro? | 9. Why Don't We Take the Subway? |
| 10. Proyecto 1: Problemas de tráfico | 10. Project 1: Traffic Problems |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. La cultura campesina | 14. Rural Culture |
| 15. Del pueblo a la ciudad | 15. From the Country to the City |
| 16. La sobrepoblación | 16. Overpopulation |
| 17. Proyecto 2: ¿Dónde les gusta vivir? | 17. Project 2: Where do you like to live? |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A* | 20. Test - Alternative: Form A* |
| 21. Examen alterno - Versión B* | 21. Test - Alternative: Form B* |
| 22. Glosario y créditos | 22. Glossary and Credits |

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Spanish III

| Unit 6: Repaso y Examen Semestral (Semester Review and Exam) | |
|---|---|
| **Assignments** | |
| 1. Repaso | 1. Review |
| 2. Examen | 2. Test |
| 3. Examen alterno - Versión A* | 3. Test - Alternative: Form A* |
| 4. Examen alterno - Versión B* | 4. Test - Alternative: Form B* |

Spanish III

| Unit 7: De Viaje (Traveling) | |
|---|---|
| **Assignments** | |
| 1. ¿Adónde quieres ir? | 1. Where Do You Want to Go? |
| 2. Paquetes vacacionales | 2. Vacation Packages |
| 3. Un viaje por tierra | 3. Traveling by Land |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. Un crucero por el Caribe | 7. A Caribbean Cruise |
| 8. Unos días en la costa mexicana | 8. A Few Days on the Mexican Coast |
| 9. Un viaje de negocios | 9. A Business Trip |
| 10. Proyecto 1: Planes de viaje | 10. Project 1: Travel Plans |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. Vamos a España | 14. Let's Go To Spain |
| 15. Un viaje por el Cono Sur | 15. A Trip to the Southern Cone |
| 16. El ecoturismo | 16. Ecotourism |
| 17. Proyecto 2: Preferencias turísticas | 17. Project 2: Tourist Preferences |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A* | 20. Test - Alternative: Form A* |
| 21. Examen alterno - Versión B* | 21. Test - Alternative: Form B* |
| 22. Glosario y créditos | 22. Glossary and Credits |

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Spanish III

| Unit 8: La Salud y el Bienestar (Health and Wellbeing) | |
|---|---|
| **Assignments** | |
| 1. ¿Qué haces para mantenerte en forma? | 1. What Do You Do To Stay in Shape? |
| 2. Alimentación y nutrición | 2. Food and Nutrition |
| 3. Dietas étnicas | 3. Ethnic Diets |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. Médicos de cabecera | 7. Family Doctors |
| 8. En la sala de emergencias | 8. In the Emergency Room |
| 9. El farmaceuta hispano | 9. The Hispanic Pharmacist |
| 10. Proyecto 1: Recomendaciones saludables | 10. Project 1: Healthy Recommendations |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. Avances en medicina | 14. Advances in Medicine |
| 15. La medicina alternativa | 15. Alternative Medicine |
| 16. La esperanza de vida | 16. Life Expectancy |
| 17. Proyecto 2: La experiencia del tiempo | 17. Project 2: The Experience of Time |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A* | 20. Test - Alternative: Form A* |
| 21. Examen alterno - Versión B* | 21. Test - Alternative: Form B* |
| 22. Glosario y créditos | 22. Glossary and Credits |

Spanish III

| Unit 9: Protejamos Nuestro Planeta (Let's Protect Our Planet) | |
|---|---|
| **Assignments** | |
| 1. La contaminación | 1. Pollution |
| 2. La búsqueda de petróleo | 2. The Search for Oil |
| 3. Las amenazas al medio ambiente | 3. Threats to the Environment |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. La caza de animales | 7. Hunting |
| 8. Especies en peligro de extinción | 8. Endangered Species |
| 9. Áreas protegidas | 9. Protected Areas |
| 10. Proyecto 1: Una especie para proteger | 10. Project 1: A Species to Protect |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. Organizaciones Globales de Conservación | 14. Global Conservation Organizations |
| 15. El reciclaje | 15. Recycling |
| 16. Soluciones | 16. Solutions |
| 17. Proyecto 2: Colabora con el medio ambiente | 17. Project 2: Environmental Collaboration |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A | 20. Test - Alternative: Form A |
| 21. Examen alterno - Versión B | 21. Test - Alternative: Form B |
| 22. Glosario y créditos (Glossary and Credits) | 22. |

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Spanish III

## Unit 10: Huellas del Pasado (In the Footsteps of the Past)

| Assignments | |
|---|---|
| 1. La arqueología | 1. Archaeology |
| 2. Animales gigantes | 2. Giant Animals |
| 3. Las momias de Sudamérica | 3. The Mummies from South America |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. ¿Signos de otro planeta? | 7. Signs from Another Planet? |
| 8. Marcas del pasado | 8. Traces of the Past |
| 9. Ciudades escondidas | 9. Hidden Cities |
| 10. Proyecto 1: Una zona arqueológica del mundo hispanohablante | 10. Project 1: An Archaeological Zone in the Spanish-speaking World |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. Construcciones misteriosas | 14. Mysterious Constructions |
| 15. El legado escrito | 15. The Written Legacy |
| 16. Música natural | 16. The Music of Nature |
| 17. Proyecto 2: Las culturas indígenas | 17. Project 2: Indigenous Cultures |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A* | 20. Test - Alternative: Form A* |
| 21. Examen alterno - Versión B* | 21. Test - Alternative: Form B* |
| 22. Glosario y créditos | 22. Glossary and Credits |

Spanish III

## Unit 11: La Conciencia Social (Social Consciousness)

| Assignments | |
|---|---|
| 1. Elecciones | 1. Elections |
| 2. Formas de gobierno | 2. Types of Government |
| 3. Derechos y deberes de las personas | 3. Rights and Duties of Individuals |
| 4. Prueba 1 | 4. Quiz 1 |
| 5. Prueba 1 alterna - Versión A* | 5. Quiz 1 Alternative: Form A* |
| 6. Prueba 1 alterna - Versión B* | 6. Quiz 1 Alternative: Form B* |
| 7. Comercio internacional | 7. International Trade |
| 8. Programas internacionales | 8. International Programs |
| 9. La agricultura comunal | 9. Communal Agriculture |
| 10. Proyecto 1: La conciencia social y el voluntariado | 10. Project 1: Social Awareness and Volunteering |
| 11. Prueba 2 | 11. Quiz 2 |
| 12. Prueba 2 alterna - Versión A* | 12. Quiz 2 Alternative: Form A* |
| 13. Prueba 2 alterna - Versión B* | 13. Quiz 2 Alternative: Form B* |
| 14. La emigración | 14. Emigration |
| 15. Las manifestaciones y las protestas | 15. Demonstrations and Protests |
| 16. La juventud hispana | 16. Hispanic Youth |
| 17. Proyecto 2: ¿Es la conciencia social importante? | 17. Project 2: Is a Social Conscience Important? |
| 18. Repaso | 18. Review |
| 19. Examen | 19. Test |
| 20. Examen alterno - Versión A* | 20. Test - Alternative: Form A* |
| 21. Examen alterno - Versión B* | 21. Test - Alternative: Form B* |
| 22. Glosario y créditos | 22. Glossary and Credits |

Spanish III

## Unit 12: Repaso y Examen Semestral (Semester Review and Exam)

| Assignments | |
|---|---|
| 1. Repaso | 1. Review |
| 2. Examen | 2. Test |
| 3. Examen alterno - Versión A* | 3. Test - Alternative: Form A* |
| 4. Examen alterno - Versión B* | 4. Test - Alternative: Form B* |

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# Trigonometry

Trigonometry is a five-unit elective course for high school students who have successfully completed Algebra I, Geometry, and Algebra II. The materials cover a development of trigonometry from right triangle trigonometry to oblique triangles and the polar plane. Throughout the course, students will develop trigonometric formulas and use them in real-world applications, evaluate trigonometric proofs using complex trigonometric identities and solving trigonometric equations with regard to the unit circle.

The course seeks to help students expand their knowledge and skills so that they may achieve the following goals:

- Use trigonometry as a tool for indirect measurement.
- Model natural phenomenon with trigonometric functions.
- Perform operations with complex numbers using trigonometry.
- Use trigonometric identities to evaluate trigonometric proofs and solve trigonometric equations with regard to the unit circle.
- Solve for unknown sides and angles of right and oblique triangles using right triangle trigonometry, law of sines and law of cosines.

In attaining these goals, students will begin to see the "big picture" of mathematics and understand how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Trigonometry

**Unit 1: Right Triangle Trigonometry**

**Assignments**

1. Course Overview
2. Lengths of Sides
3. Angle Measures
4. Indirect Measure
5. Quiz 1: Solving a Right Triangle
6. Angles in the Coordinate Plane
7. The Unit Circle
8. Trigonometric Values of Special Angles
9. Quiz 2: The Unit Circle and Special Angles
10. Reciprocal Functions
11. Points on the Terminal Side
12. Pythagorean Identities
13. Quiz 3: The Reciprocal Functions and Identities
14. Radian Measure
15. Reference Angles
16. Velocity
17. Quiz 4: Radian Measure
18. Project: Parametric Equations
19. Special Project*
20. Review
21. Test
22. Alternate Test*
23. Glossary and Credits

Trigonometry

**Unit 2: Graphing and Inverse Functions**

**Assignments**

1. Graphing and Amplitude
2. Project: The Reciprocal Functions
3. Period and Frequency
4. Vertical and Horizontal Translations
5. Sinusoidal Functions
6. Quiz 1: Graphing
7. Inverse Functions
8. Inverse Reciprocal Functions
9. Trigonometric Equations: Part I
10. Trigonometric Equations: Part II
11. Quiz 2: Inverse Trigonometric Functions
12. Project: Modeling with Periodic Functions
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

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Trigonometry

## Unit 3: Analytic Trigonometry

**Assignments**

1. The Fundamental Trigonometric Identities
2. Proving Identities
3. Cosine Addition Formula
4. Sine Addition Formula
5. Tangent Addition Formula
6. Quiz 1: Identities and Addition Formulas
7. Double-Angle Formulas
8. Project: Solving Equations Graphically
9. Half-Angle Formulas
10. Converting Between Products and Sums
11. Quiz 2: More Identities
12. Project: Adding Waves
13. Special Project*
14. Review
15. Test
16. Alternate Test*
17. Glossary and Credits

Trigonometry

## Unit 4: Trigonometric Applications

**Assignments**

1. Law of Sines
2. Ambiguity and Area of a Triangle
3. Law of Cosines: Finding a Side
4. Law of Cosines: Finding an Angle
5. Project: Heron's Formula
6. Quiz 1: Trigonometry of Oblique Triangles
7. Introduction to Vectors
8. Vector Components
9. Navigation Application
10. Vector Multiplication
11. Quiz 2: Vectors
12. Special Project*
13. Review
14. Test
15. Alternate Test*
16. Glossary and Credits

Trigonometry

## Unit 5: Polar Coordinates

**Assignments**

1. Introduction to Polar Coordinates
2. Polar Equations
3. Project: Graphing in the Polar Plane
4. Polar Curves
5. Polar Forms of Conics
6. Quiz 1: Polar Equations
7. Polar Form of Complex Numbers
8. Multiply and Divide Complex Numbers
9. Powers and Nth Roots
10. Project: Fractals
11. Quiz 2: Complex Numbers
12. Special Project*
13. Review
14. Test
15. Alternate Test*
16. Glossary and Credits

Trig.

## Unit 6: Course Review and Exam

**Assignments**

1. Review
2. Exam
3. Alternate Exam*

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# Twentieth Century American History

Twentieth Century American History is a history elective for high school students interested in examining American history during a century of change, continuity, and conflicts.

Students will examine America's economic, political, governmental, cultural, and technological growing pains during the twentieth century. They will also consider the causes and effects of national and international cooperation, competition, and conflict.

- **Unit 1:** Students will examine the major economic, political, and social changes of the 1800s including: the Industrial Revolution, urbanization, and immigration.
- **Unit 2:** Students will explore the effects of the late 1800s by looking at all aspects of Progressivism.
- **Unit 3:** Students will study issues that occurred after World War I including the Russian Revolution, the Red Scare, and the three presidents following Woodrow Wilson.
- **Unit 4:** Students will obtain knowledge on World War II, the Cold War, Eisenhower, and post-war American society.
- **Unit 5:** Students will identify the Civil Rights Movement, the rise of conservatism, post-Cold War foreign policy, and the economic and social issues facing contemporary America.

In attaining these goals, students will develop insight and perspective on the themes and patterns of history and a greater understanding of today's world.

Twentieth Century American History

**Unit 1: Coming of Age**

**Assignments**

1. Course Overview
2. Entering the Industrial Age
3. Industrialists and Big Business
4. The American Workforce
5. Farmers and Populists
6. Quiz 1: The Industrial United States
7. Immigration at the Turn of the Century
8. Corruption and Political Machines
9. Growth of Cities
10. Project: Immigrant Experience
11. Quiz 2: Immigration and Urbanization
12. Women's Roles in Society
13. Race Relations and Discrimination
14. Education and Entertainment
15. Quiz 3: American Society
16. Special Project*
17. Review
18. Test
19. Alternate Test*
20. Glossary and Credits

Twentieth Century American History

**Unit 2: Modern America Emerges**

**Assignments**

1. Progressivism
2. Progressive Reforms
3. Leaders and Limitations of Progressivism
4. Quiz 1: Progressive Era
5. Global Imperialism
6. American Expansionism
7. The United States as a World Power
8. Project: Panama Canal
9. Quiz 2: American Imperialism
10. Causes of World War I
11. The United States Enters the War
12. Supporting the War Effort
13. Wilson's Peace Plan
14. Quiz 3: World War I
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits
20. The United States Enters the War

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Twentieth Century American History

## Unit 3: Boom to Bust

**Assignments**

1. Russian Revolution
2. Red Scare
3. Return to Normalcy
4. Rise of a Consumer Culture
5. Quiz 1: Postwar Issues
6. Prohibition
7. Flappers and Popular Culture
8. Harlem Renaissance
9. Quiz 2: Roaring Twenties
10. Uncle Sam Is Depressed
11. Devastation of the Depression
12. World Is Depressed
13. Quiz 3: Great Depression
14. A New Deal for Americans
15. Deal or No Deal
16. Project: New Deal Programs
17. Quiz 4: New Deal
18. Special Project*
19. Review
20. Test
21. Alternate Test*
22. Glossary and Credits

Twentieth Century American History

## Unit 4: World War II and the Cold War

**Assignments**

1. Isolationism and Nationalism
2. Moving from Isolationism to War
3. Quiz 1: Path to War
4. Americans Mobilize
5. European Theatre
6. Holocaust
7. Pacific Theatre
8. America's Greatest Generation
9. Quiz 2: Uncle Sam at War
10. Origins of the Cold War
11. China and Korea
12. Superpowers Compete for Influence
13. Cold War Chills Americans
14. Quiz 3: Cold War
15. Truman Show
16. Eisenhower Years
17. Nifty Fifties
18. Quiz 4: Post-World War II America
19. Special Project*
20. Review
21. Test
22. Alternate Test*
23. Glossary and Credits

Twentieth Century American History

## Unit 5: Change, Continuity, and Conflict

**Assignments**

1. Challenging Segregation
2. Civil Rights Movement
3. Era of Activism
4. Quiz 1: Civil Rights and Social Change
5. Trouble in the White House
6. Conservative Revolution
7. Post-Cold War Foreign Policy
8. Project: Comparison Matrix
9. Quiz 2: Foreign Policy and Domestic Politics
10. Global Economy
11. Immigration and Migration
12. Social and Religious Changes
13. Women's Movement
14. Quiz 3: Contemporary America
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

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## Unit 5: Change, Continuity, and Conflict

**Assignments**

1. Review
2. Exam
3. Alternate Exam

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# Vietnam Era

What comes to mind when you think about the Vietnam Era? For many, that period represents a difficult time in U.S. history. It is defined by an unpopular war that claimed the lives of 58,000 Americans and some 3 million Vietnamese. In this course, you'll look at the history of the Vietnam War. The roots of the conflict stretch further back than you might know. You'll examine why the United States got involved in the conflict and why the United States failed to achieve its objectives.

- **Unit 1:** Students will learn about the history of Vietnam before the war and explain why the United States got involved in Vietnam.
- **Unit 2:** Students will study the growth of U.S. involvement in Vietnam following the 1954 Geneva Accords to the first American combat troops in 1965 after the Gulf of Tonkin incident.
- **Unit 3:** Students will describe fighting techniques and efforts by both the Vietnamese and Americans as well as the U.S. public opinion about the war.
- **Unit 4:** Students will explore the Tet Offensive, Vietnamization, and the end of the war.
- **Unit 5:** Students will identify the outcome of the Vietnam War, examine the 1973 Paris Peace Accords, and explain the impact of the Vietnam War on American foreign policy.

Vietnam Era

**Unit 1: The Origins of U.S. Involvement in Vietnam**

**Assignments**

1. Course Overview
2. Vietnam
3. Early History
4. French Indochina
5. Quiz 1: Toward French Colonization
6. Nationalist Movement
7. World War II
8. The French Indochina War
9. Quiz 2: Vietnamese Nationalism
10. Falling Dominoes
11. Dien Bien Phu
12. The Geneva Accords
13. Essay: The U.S. Policy for Vietnam
14. Quiz 3: Vietnam and the Cold War
15. Special Project*
16. Review
17. Test
18. Alternate Test*
19. Glossary and Credits

Vietnam Era

**Unit 2: From Military Advisors to Combat Troops**

**Assignments**

1. Ngo Dinh Diem: The Miracle Man of Asia
2. The National Liberation Front
3. The Diem Coup
4. Quiz 1: Nation-Building in South Vietnam
5. Lyndon B. Johnson
6. The Gulf of Tonkin Incident
7. The Gulf of Tonkin Resolution
8. Quiz 2: Aggression on the High Seas
9. The Air War
10. The Ground War
11. Introduction to Combat: Chu Lai and Ia Drang
12. Project: The Eisenhower, Kennedy, and Johnson Administrations
13. Quiz 3: The U.S. Military Strategy
14. Special Project*
15. Review
16. Test
17. Alternate Test*
18. Glossary and Credits

Vietnam Era

**Unit 3: A Nation Divided By War**

**Assignments**

1. Vietnamese Soldiers
2. The Ho Chi Minh Trail
3. Vietcong Tunnels
4. Quiz 1: The Vietnamese Effort
10. The Governmental Debate
11. The Living Room War
12. Project: Vietnam Era Songs
13. Quiz 3: American Public Opinion

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| | | | | |
|---|---|---|---|---|
| | 5. | Tour of Duty | 14. | Special Project* |
| | 6. | Fighting the War | 15. | Review |
| | 7. | Women and the Vietnam War | 16. | Test |
| | 8. | Quiz 2: The American Effort | 17. | Alternate Test* |
| | 9. | The Antiwar Movement | 18. | Glossary and Credits |

| Vietnam Era | | | | |
|---|---|---|---|---|
| **Unit 4: Achieving Peace with Honor** | | | | |
| **Assignments** | | | | |
| | 1. | The Tet Offensive | 10. | Secret Diplomacy |
| | 2. | LBJ Shocks the Nation | 11. | The Paris Peace Accords |
| | 3. | The 1968 Election | 12. | Essay: Vietnamization |
| | 4. | Quiz 1: A Turning Point in the War | 13. | Quiz 3: The End of the War |
| | 5. | Richard Nixon | 14. | Special Project* |
| | 6. | Vietnamization | 15. | Review |
| | 7. | The Invasion of Cambodia | 16. | Test |
| | 8. | Quiz 2: Nixon and the Vietnam War | 17. | Alternate Test* |
| | 9. | Crisis in Morale and Discipline | 18. | Glossary and Credits |

| Vietnam Era | | | | |
|---|---|---|---|---|
| **Unit 5: The Legacy of Vietnam** | | | | |
| **Assignments** | | | | |
| | 1. | Nixon and Watergate | 10. | U.S.-Vietnamese Relations |
| | 2. | Prisoner of War | 11. | Vietnam Today |
| | 3. | The Fall of Saigon | 12. | Essay: The Vietnam Era |
| | 4. | Quiz 1: Aftermath in Asia | 13. | Quiz 3: Toward Normalization |
| | 5. | Vietnam Veterans | 14. | Special Project* |
| | 6. | The Vietnam Veterans Memorial | 15. | Review |
| | 7. | Vietnam Syndrome | 16. | Test |
| | 8. | Quiz 2: Searching for Lessons | 17. | Alternate Test* |
| | 9. | Vietnamese in America | 18. | Glossary and Credits |

| VE | | | | |
|---|---|---|---|---|
| **Unit 6: Course Review and Exam** | | | | |
| **Assignments** | | | | |
| | 1. | Review | 3. | Alternate Exam* |
| | 2. | Exam | | |

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# Blended Learning Library

## Mathematics 700 Resources

The Blended Learning Library is a supplemental resource which may be used by teachers in conjunction with the subjects of Math 7, Math 8, Algebra I, Geometry, and Algebra II. They are not meant to serve as individual, stand-alone courses. These resources serve as a library of additional material to supplemental the respective course should a teacher decide to use them.

Mathematics 700 Resources

**Unit 1: Integers**

**Assignments**

1. Integers on the Number Line
2. Comparing and Ordering Integers
3. Inequalities and Absolute Value
4. Adding Integers with the Same Sign
5. Adding Integers with Different Signs
6. Subtracting Integers
7. Multiplying Integers
8. Dividing Integers
9. Using Integers
10. The Real Number System
11. Real Number Properties
12. The Distributive Property
13. Order of Operations
14. Exponents and the Order of Operations

Mathematics 700 Resources

**Unit 2: Fractions**

**Assignments**

1. Fractions and Mixed Numbers
2. Prime Factorization
3. Greatest Common Factor and Least Common Multiple
4. Adding and Subtracting Fractions with Like Denominators
5. Adding and Subtracting Fractions with Unlike Denominators
6. Reducing Fractions
7. Comparing and Ordering Fractions
8. Multiplying Fractions
9. Dividing Fractions

Mathematics 700 Resources

**Unit 3: Decimals**

**Assignments**

1. Comparing and Ordering Decimals
2. Rounding and Estimating Decimals
3. Adding and Subtracting Decimals
4. Multiplying and Dividing Decimals
5. Fractions as Decimals
6. Using Decimals
7. Scientific Notation
8. The Metric System

Mathematics 700 Resources

**Unit 4: Patterns and Equations**

**Assignments**

1. Adding and Subtracting Algebraic Expressions
2. Expanding and Factoring Algebraic Expressions
3. Identifying Functions
4. Identifying Function Rules
5. Translating Word Sentences
6. Solving Equations Using Addition and Subtraction
7. Solving Equations Using Multiplication and Division

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Mathematics 700 Resources

## Unit 5: Ratios and Proportions

**Assignments**

1. Ratios
2. Rates
3. Proportions
4. Similarity
5. Converting between Fractions, Decimals and Percents
6. Solving Percent Problems Using Proportions
7. Solving Percent Problems Using Equations

Mathematics 700 Resources

## Unit 6: Probability and Graphing

**Assignments**

1. Theoretical Probability
2. Experimental Probability
3. Sample Space
4. Independent and Dependent Events
5. Graphing Linear Equations
6. Slope
7. Direct Variation

Mathematics 700 Resources

## Unit 7: Data Analysis

**Assignments**

1. Theoretical Probability
2. Experimental Probability
3. Sample Space
4. Independent and Dependent Events
5. Graphing Linear Equations
6. Slope
7. Direct Variation

Mathematics 700 Resources

## Unit 8: Geometry

**Assignments**

1. Special Pairs of Angles
2. Polygons
3. Triangles
4. Quadrilaterals
5. Symmetry
6. Reflections
7. Translations

Mathematics 700 Resources

## Unit 9: Measurement and Area

**Assignments**

1. Perimeter
2. Circumference
3. Area of a Parallelogram
4. Area of Triangles and Trapezoids
5. Area of Circles
6. Area of Composite Figures
7. Square and Square Roots

Mathematics 700 Resources

## Unit 10: Surface Area and Volume

**Assignments**

1. Surface Area and Volume
2. Surface Area Rectangular Prisms
3. Volume of Rectangular Prisms
4. Surface Area and Volume
5. Volume of Triangular Prisms
6. Surface Area of Cylinders
7. Volume of Cylinders

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# Mathematics 800 Resources

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Mathematics 800 Resources

**Unit 1: The Real Number System**

**Assignments**

1. Course Overview
2. The Real Number System
3. Symbolic Algebra
4. The Number Line
5. Comparing Rational Numbers
6. Rational and Irrational Numbers
7. The Distributive Property
8. Negative Exponents
9. Operations with Scientific Notation
10. Square Roots

Mathematics 800 Resources

**Unit 2: Modeling Problems in Integers**

**Assignments**

1. Translating into Mathematical Language
2. Solving One-Step Equations
3. Solving Two-Step Equations
4. Relations and Functions
5. Analyzing Graphs
6. Adding Integers
7. Subtracting Integers
8. Exponents and Integers
9. Evaluating Expressions
10. Graphing using Coordinate Planes
11. Using Equivalent Expressions to Solve Equations
12. Solving Two-Step Equations
13. Solving Word Problems

Mathematics 800 Resources

**Unit 3: Modeling Problems with Rational Numbers**

**Assignments**

1. Adding and Subtracting Unlike Fractions
2. Multiplying and Dividing Fractions
3. One-step Addition and Subtraction Equations
4. One-Step Multiplication and Division Equations
5. Two-Step Equations
6. One-Step Inequalities
7. Two-Step Inequalities

Mathematics 800 Resources

**Unit 4: Proportional Reasoning**

**Assignments**

1. Proportions
2. Direct Variations
3. Solving Percent Problems
4. Unit Conversions
5. Unit Conversions with Metric Units
6. Indirect Measure
7. Models and Scales

Mathematics 800 Resources

**Unit 5: More with Functions**

**Assignments**

1. Solving Equations by Combining Like Terms
2. Solving Equations with Distributive Property
3. Slope-Intercept Form
4. Non-Linear Functions
5. Patterns and Arithmetic Sequences
6. Geometric Sequences
7. Recursive Sequences

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Mathematics 800 Resources

## Unit 6: Probability and Graphing

**Assignments**

1. Perpendicular and Parallel Lines
2. Going in Circles
3. Classifying Polygons
4. Angle Measures of Polygons
5. Classifying Triangles
6. The Quadrilateral Family
7. Pythagorean Theorem

Mathematics 800 Resources

## Unit 7: Perimeter and Circumference

**Assignments**

1. Perimeter and Circumference
2. Area Triangles and Trapezoids
3. Symmetry
4. Reflections
5. Translations
6. Rotations
7. Dilations

Mathematics 800 Resources

## Unit 8: Measures of Solid Figures

**Assignments**

1. Surface Area of Rectangular Prisms
2. Surface Area of Cylinder
3. Surface Area of Composite Figures
4. Volume of Triangular Prisms
5. Volume of Square Pyramids
6. Volume of Cones
7. Volume of Spheres

Mathematics 800 Resources

## Unit 9: Data Analysis

**Assignments**

1. Measures of Central Tendency and Dispersion
2. Circle Graphs
3. Frequency and Histograms
4. Constructing Box and Whisker Plots
5. Interpreting Box and Whisker Plots
6. Scatter Plots
7. Misleading Graphs

Mathematics 800 Resources

## Unit 10: Probability

**Assignments**

1. Tree Diagrams and Counting Principle
2. Permutation
3. Combinations
4. Probability and Odds
5. Probability Types
6. Overlapping Events
7. Independent and Dependent Events

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# Algebra I Resources

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Algebra I Resources

## Unit 1: Foundations of Algebra

**Assignments**

1. Course Overview
2. Translating with Algebraic Expressions
3. Using the Order of Operations
4. Evaluating Expressions
5. Real Numbers and The Number Line
6. Converting between Decimals and Fractions
7. The Multiplicative Inverse
8. Adding and Subtracting Rational Numbers
9. Dividing Integers
10. Absolute Value and the Order of Operations
11. Properties of Addition and Multiplication
12. Combining Like Terms
13. Simplifying Expressions

Algebra I Resources

## Unit 2: Linear Equations

**Assignments**

1. Translating Algebraic Sentences
2. Solutions
3. Multiplication Property of Equality
4. Solving Two-Step Equations
5. Solving Multi-Step Equations
6. Linear Equations--Possible Solution Sets
7. Solving Equations with Parentheses
8. Solving Literal Equations
9. Writing Equations
10. Solving Word Problems
11. Consecutive Integer Problems
12. Age Problems
13. Error in Measurement
14. Mixture Problems

Algebra I Resources

## Unit 3: Functions

**Assignments**

1. The Abscissa and Ordinate
2. Relations
3. Inputs and Outputs
4. Graphing Functions on the Coordinate Plane
5. Writing a Function Rule
6. Sequences
7. Direct Variations
8. Finding Slope Algebraically
9. Writing Equations in General Form
10. Slope-Intercept Form
11. Writing Linear Equations (1)
12. Writing Linear Equations (2)
13. Parallel and Perpendicular Lines

Algebra I Resources

## Unit 4: Inequalities

**Assignments**

1. Set Builder Notation
2. Solving Inequalities by Addition
3. Solving Inequalities by Multiplication
4. Solving Multi-Step Inequalities
5. Translating Inequalities
6. Union and Intersection
7. Compound Inequalities
8. Graphing Linear Inequalities
9. Solving Absolute Value Equations and Inequalities
10. Graphing Absolute Value Inequalities on the Number Line
11. Graphing Absolute Value Inequalities on the Coordinate Plane

Algebra I Resources

## Unit 5: Linear Systems

**Assignments**

1. Systems of Linear Equations
2. Solve a System by Graphing
3. Systems of Inequalities Solutions
4. Solving by Substitution
5. Solving by Elimination
6. Solving with Determinants
7. Solving Systems with Fractions
8. Solving Word Problems with Two Unknowns
9. Solving Money Problems
10. Solving Mixture Problems

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Algebra I Resources

## Unit 6: Polynomials

**Assignments**

1. Adding and Subtracting Polynomials
2. Simplifying Polynomial Expressions
3. Multiplying Polynomials
4. The FOIL Method
5. Dividing by a Monomial
6. Dividing by a Polynomial
7. Prime Factorization and the GCF
8. Factoring Polynomials
9. Factoring by Grouping
10. Factoring Trinomials (1)
11. Factoring Trinomials (2)
12. The Difference of Two Squares
13. Factoring Polynomials Completely

Algebra I Resources

## Unit 7: Exponential and Radical Functions

**Assignments**

1. Negative Exponents
2. Evaluating Exponential Expressions
3. Writing Numbers in Scientific Notation
4. Properties of Exponents (1)
5. Properties of Exponents (2)
6. Properties of Exponents (3)
7. Geometric Sequences
8. Simplifying Perfect Roots
9. Multiplying Radicals
10. Rationalizing the Denominator
11. Combining Like Radicals
12. Radical Equations

Algebra I Resources

## Unit 8: Quadratics

**Assignments**

1. The Pythagorean Theorem and Irrational Numbers
2. Circle Equations
3. Midpoint of a Line Segment
4. Quadratic Equations
5. Graphing Parabolas
6. Graphing Quadratic Functions in General Form
7. Graphing Quadratic Inequalities
8. Solving Quadratic Equations by Factoring
9. The Square Root Property
10. Solving Word Problems Using a Quadratic Equation
11. Solving Quadratic Equations by Completing the Square (1)
12. Solving Quadratic Equations by Completing the Square (2)
13. The Quadratic Formula
14. Solving Quadratic Equations Using the Quadratic Formula

Algebra I Resources

## Unit 9: Rational Expressions

**Assignments**

1. Writing a Rational Expression in Lowest Terms
2. Multiplying and Dividing Rational Expressions
3. Adding and Subtracting Rational Expressions (1)
4. Adding and Subtracting Rational Expressions (2)
5. Solving Proportions
6. Solving Equations That Contain Fractions
7. Simplifying Complex Fractions
8. Solving Inequalities That Contain Fractions
9. Distance and Pipe Flow Problems
10. Unknown Number Problems

Algebra I Resources

## Unit 10: Probability and Statistics

**Assignments**

1. Mean, Median, and Mode
2. Range and Interquartile Range
3. Scatter Plots
4. Listing Outcomes and the Multiplication Principle
5. Permutations
6. Combinations
7. Introduction to Probability
8. Mutually Exclusive and Inclusive Events

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# Geometry Resources

The Blended Learning Library is a supplemental resource which may be used by teachers in conjunction with the subjects of Math 7, Math 8, Algebra I, Geometry, and Algebra II. They are not meant to serve as individual, stand-alone courses. These resources serve as a library of additional material to supplemental the respective course should a teacher decide to use them.

Geometry Resources

**Unit 1: Introduction**

**Assignments**

1. Course Overview
2. Set Theory Review
3. Operations with Sets
4. Point
5. Line
6. Plane
7. Geometric Postulates
8. Review of Algebraic Postulates
9. Geometric Theorems
10. Review of Properties of Algebra

Geometry Resources

**Unit 2: Logic**

**Assignments**

1. Logic
2. Conjunctions
3. Disjunctions
4. Negations
5. Conditional Statements
6. Converse, Inverse, Contrapositive
7. The Given Statement
8. To Prove Statement
9. The Plan of the Proof
10. The Paragraph Proof

Geometry Resources

**Unit 3: Angles and Parallels**

**Assignments**

1. Angle Measurement
2. Angle Relationships
3. Angle Relationship Theorems
4. Basic Properties of Parallels
5. Transversals and Special Angles
6. Classifying Triangles
7. Exterior and Remote Interior Angles of a Triangle
8. Proofs Involving Triangles
9. Other Polygons

Geometry Resources

**Unit 4: Congruent Triangles and Quadrilaterals**

**Assignments**

1. Defining Congruent Triangles
2. Proving Triangles Congruent
3. Proving Right Triangles congruent
4. Independent Triangles
5. Overlapping Triangles
6. Isosceles Triangles
7. Inequality Theorem in One Triangle
8. Quadrilateral Parallelograms Theorems
9. Triangles that Use Parallelograms in Proofs
10. Parallelograms: Rectangles
11. Trapezoids - Definitions and Proofs

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Geometry Resources

## Unit 5: Similar Polygons

**Assignments**

1. Algebra and Ratios
2. Algebra Properties and Proportions
3. Properties of Proportions
4. Meaning of Similarity - Theorems
5. Meaning of Similarity - Proofs
6. The Pythagorean Theorem
7. Theorems about 45-45-90 Right Triangles
8. Using Triangles: Rectangular Solids
9. Using Triangles: Regular Square Pyramid
10. Trigonometry - Sine Ratio
11. Trigonometry - Cosine Ratio
12. Trigonometry - Tangent Ratio
13. Using Similar Triangles in Indirect Measurement
14. Using Trigonometry in Indirect Measurement

Geometry Resources

## Unit 6: Circles

**Assignments**

1. Tangents
2. Arcs
3. Chords
4. Special Segments

Geometry Resources

## Unit 7: Area and Volume

**Assignments**

1. Area Concepts of Polygons
2. Area of Regular Polygons
3. Circles: Circumference and Pi
4. Circles: Areas of Circles
5. Circles: Areas of Sectors
6. Circles: Areas of Segments
7. Solids: Prisms
8. Solids: Pyramids
9. Solids: Cylinders
10. Solids: Cones
11. Solids: Spheres
12. Two and Three-Dimensional Objects

Geometry Resources

## Unit 8: Coordinate Geometry

**Assignments**

1. Symmetry
2. Distance Formula
3. Perimeter and Area
4. Equation of a Circle
5. Midpoint Formula
6. Slope
7. Parallel and Perpendicular Lines
8. Figures in the Coordinate Plane

Geometry Resources

## Unit 9: Transformations

**Assignments**

1. Isometry: Reflection
2. Isometry: Translations
3. Isometry: Rotations
4. Similarity Transformation: Dilation
5. Inverse and Identity

Geometry Resources

## Unit 10: Geometric Application

**Assignments**

1. Using SOH CAH TOA in Trigonometry
2. Finding the Values of Trigonometric Functions
3. Law of Sines
4. Ambiguity and Area of a Triangle
5. Law of Cosines: Finding a Side
6. Law of Cosines: Finding an Angle
7. Density

Geometry Resources

## Unit 11: Probability

**Assignments**

1. Definitions, Sample Spaces and Probability
2. Addition of Probabilities
3. Multiplication of Probabilities
4. Permutations of N Things: Different
5. Conditional Probability
6. Conditional Probability in the Real-World Situations
7. Two-Way Frequency Tables

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# Algebra II Resources

The Blended Learning Library is a supplemental resource which may be used by teachers in conjunction with the subjects of Math 7, Math 8, Algebra I, Geometry, and Algebra II. They are not meant to serve as individual, stand-alone courses. These resources serve as a library of additional material to supplemental the respective course should a teacher decide to use them.

Algebra II Resources

**Unit 1: Set, Structure, and Function**

**Assignments**

1. Course Overview
2. Picturing sets
3. Working with Sets
4. Relations and Functions: Definitions
5. Relations and Functions: Graphs
6. Algebraic Expressions: Exponents
7. Solving Multi-Step Equations
8. Working with Inequalities

Algebra II Resources

**Unit 2: Numbers, Sentences, and Problems**

**Assignments**

1. Equations with Parentheses
2. Graphing Solution Sets for Inequalities
3. Solving and Graphing Compound inequalities
4. Motion Problems

Algebra II Resources

**Unit 3: Linear Equations and Inequalities**

**Assignments**

1. Graphing Lines with Two Points
2. Writing Equations with Point Slope
3. Graphing Lines with Slope Intercept
4. Solving Systems by Graphing
5. Solutions by Addition
6. Solving Systems by Substitution
7. Graphing Two Variable Inequalities

Algebra II Resources

**Unit 4: Polynomials**

**Assignments**

1. Products and Factoring
2. Multiplying Polynomials by Polynomials
3. Special Products Part 1
4. Special Products Part 2
5. Identify and Factor Perfect Square Trinomials
6. Identify and Factor Sum and Difference of Cubes
7. Add and Subtract Polynomials by Identifying Like Terms
8. Synthetic Division
9. The Remainder Theorem
10. Using Numerical Relationships
11. Direct Variation
12. Inverse Variation

Algebra II Resources

**Unit 5: Algebraic Fractions**

**Assignments**

1. Dividing Algebraic Fractions
2. Adding and Subtracting Rational Expressions
3. Mixed Expressions and Complex Fractions
4. Equations with Fractions

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Algebra II Resources

## Unit 6: Real Numbers

**Assignments**

1. Real Numbers
2. Laws of Radicals
3. Conjugates
4. Radical Equations
5. Factoring Quadratic Equations
6. Completing the Square
7. Quadratic Formula
8. Sum and Product of Roots
9. The Discriminant
10. Fundamental Theorem of Algebra
11. Imaginary Numbers

Algebra II Resources

## Unit 7: Quadratic Relations and Systems

**Assignments**

1. Circles
2. Ellipse
3. More ellipses
4. Parabola
5. Hyperbola 1
6. Systems of Equations
7. Solutions of Inequalities
8. Constant of Proportionality

Algebra II Resources

## Unit 8: Functions

**Assignments**

1. Exponential Functions
2. Graphs of Piecewise functions
3. Exponential Equations
4. Logarithmic Functions
5. Evaluating Exponential functions with Logarithms
6. Properties of Logarithms
7. Solving Logarithmic Equations
8. Comparing Functions
9. Inverse Functions
10. Matrices
11. System Solutions with Matrices

Algebra II Resources

## Unit 9: Counting Principles

**Assignments**

1. Factorials
2. Permutations
3. Combination Formula
4. Combinations Applications
5. Binomial Coefficients
6. Probability concepts
7. Equally likely outcomes
8. Multiplication Principle
9. Conditional Probability

Algebra II Resources

## Unit 10: Trigonometry

**Assignments**

1. The Unit Circle
2. Reciprocal Functions
3. Radian Measure
4. Evaluating Trig Functions
5. The Pythagorean Identity
6. Graphs and Amplitude
7. Graphs and Modeling

Algebra II Resources

## Unit 11: Statistics

**Assignments**

1. Sample Surveys
2. Normal Distributions
3. Experiments
4. Probability and Decisions

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# Test Prep

## ACT Test Prep

| ACT® Test Prep | Unit 1: Orientation to the ACT | |
|---|---|---|
| | **Assignments** | |
| | 1. Introduction and Overview to the ACT | 3. Glossary and Credits |
| | 2. Test Tips | |

| ACT® Test Prep | Unit 2: The ACT English Test | |
|---|---|---|
| | **Assignments** | |
| | 1. Overview of the ACT English Test | 6. Word Use |
| | 2. Punctuation, Grammar, and Usage | 7. Writing Strategy and Style |
| | 3. Sentence and Paragraph Structure | 8. English Practice Test |
| | 4. Sentence and Paragraph Structure: Pronouns | 9. Glossary and Credits |
| | 5. Sentence and Paragraph Structure: Syntax and Style | |

| ACT® Test Prep | Unit 3: The ACT Mathematics Test | |
|---|---|---|
| | **Assignments** | |
| | 1. Overview of the ACT Mathematics Test | 4. Plane Geometry/Trigonometry |
| | 2. Elementary Algebra | 5. Mathematics Practice Test |
| | 3. Intermediate Algebra/Coordinate Geometry | 6. Glossary and Credits |

| ACT® Test Prep | Unit 4: The ACT Reading Test | |
|---|---|---|
| | **Assignments** | |
| | 1. Overview of the ACT Reading Test | 4. Nonfiction |
| | 2. Balance and Efficiency | 5. Reading Practice Test |
| | 3. Fiction | 6. Glossary and Credits |

| ACT® Test Prep | Unit 5: The ACT Science Test | |
|---|---|---|
| | **Assignments** | |
| | 1. Overview of the ACT Science Test | 4. Conflicting Viewpoints |
| | 2. Data Representation | 5. Science Practice Test |
| | 3. Research Summaries | 6. Glossary and Credits |

| ACT® Test Prep | Unit 6: The ACT Writing Test | |
|---|---|---|
| | **Assignments** | |
| | 1. Overview of the ACT Writing Test | 3, Prompts for Practice |
| | 2. Samples and Comparison | 4. Glossary and Credits |

| ACT® Test Prep | Unit 7: Practice Test | |
|---|---|---|
| | **Assignments** | |
| | 1. ACT Practice Test: English | 9. ACT Practice Test - Alternate Test 2: English* |
| | 2. ACT Practice Test: Math | 10. ACT Practice Test - Alternate Test 2: Math* |
| | 3. ACT Practice Test: Reading | 11. ACT Practice Test - Alternate Test 2: Reading* |
| | 4. ACT Practice Test: Science | 12. ACT Practice Test - Alternate Test 2: Science* |
| | 5. ACT Practice Test - Alternate Test 1: English* | 13. ACT Practice Test - Alternate Test 3: English* |
| | 6. ACT Practice Test - Alternate Test 1: Math* | 14. ACT Practice Test - Alternate Test 3: Math* |
| | 7. ACT Practice Test - Alternate Test 1: Reading* | 15. ACT Practice Test - Alternate Test 3: Reading* |
| | 8. ACT Practice Test - Alternate Test 1: Science* | 16. ACT Practice Test - Alternate Test 3: Science* |

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# Essentials of Mathematics

Essentials of Mathematics is a semester-length review of the fundamentals taught in Pre-Algebra, Algebra I and Geometry courses and is useful at the high school level for basic skill remediation and/or practice necessary to prepare for a state exam. The course highlights basic mathematical skills through multiple review, practice and sample exam questions.

Upon successfully completing the course, the student should have mastered the following concepts:

- Understand and know how to compute and define rational numbers.
- Perform basic operations such as addition, subtraction, multiplication, and division with fractions, decimals, and percents.
- Apply basic fundamental rules of exponents as well as scientific notation.
- Be able to construct basic and complex geometric shapes; solve for perimeter, area, surface area, and volume.
- Use inductive and deductive reasoning, conjectures, and estimation necessary to construct a picture, formula or equation needed for analyzing and solving algebraic and geometric word problems involving basic probability and statistical reasoning, scale factor, graphic representation of quantities, and linear systems of equations.
- Solve single variable, absolute value, and linear systems of equations.
- Evaluate, solve, and graph linear functions as well as conceptualize the relationship between the independent and dependent variable of a function.
- Simplify and perform operations with radical expressions and polynomials.
- Understand and know how to apply the slope-intercept form of a line, slope formula, and Pythagorean theorem.

Essentials of Mathematics

**Unit 1: Number Sense**

**Assignments**

1. Course Overview
2. Reviewing Rational Numbers
3. Absolute Value and Integers
4. Quiz 1: Reviewing Rational Numbers
5. Converting Fractions to Decimals and Percents
6. Working with Percents (1) Increase and Decrease
7. Working with Percents (2) Applications of Percents
8. Quiz 2: Fractions, Decimals, and Percents
9. Fractions and Factoring
10. Using Exponent Rules
11. Exponents in Scientific Notation
12. Negative Whole-Number Exponents
13. Powers and Roots
14. Quiz 3: Fractions and Factoring, Exponents, Powers and Roots
15. Test

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Essentials of Mathematics

## Unit 2: Statistics, Data, Analysis, and Probability

**Assignments**

1. Measures of Central Tendency
2. Evaluating Statistical Claims
3. Displaying and Comparing Data Sets
4. Quiz 1: Working with Data
5. Outcomes
6. Representing Probabilities
7. Independent and Dependent Variables
8. Quiz 2: Probability
9. Test

Essentials of Mathematics

## Unit 3: Algebra and Functions

**Assignments**

1. Order of Operations
2. Working with Exponents and Roots
3. The Distributive Property
4. Add and Subtract Polynomials
5. Multiply and Divide Polynomials
6. Quiz 1: Simplifying Expressions
7. Inverse Operations
8. Solving Two-Step Equations and Inequalities
9. Writing Mathematical Statements
10. Quiz 2: Solving Equations and Inequalities
11. Test

Essentials of Mathematics

## Unit 4: Measurement and Geometry

**Assignments**

1. Measurement Systems
2. Scale Drawings and Models
3. Measures of Rates and Products
4. Perimeter and Area: 2D Figures
5. Surface Area and Volume: 3D Figures
6. Quiz 1: Measurement and Geometry
7. Converting Between Units of Measure
8. Complex 2D Objects
9. Complex 3D Objects
10. Geometric Shapes: Scale Factors
11. Quiz 2: Complex Objects
12. Pythagorean Theorem
13. Coordinate Graphs
14. Transformations and Congruent Figures
15. Quiz 3: Coordinate Geometry
16. Test

Essentials of Mathematics

## Unit 5: Mathematical Reasoning

**Assignments**

1. Analyzing Problems
2. Making Conjectures
3. Estimation (1)
4. Estimation (2)
5. Inductive and Deductive Reasoning
6. Solving Problems
7. Quiz 1: Mathematical Reasoning
8. Test

Essentials of Mathematics

## Unit 6: Algebra I

**Assignments**

1. Graphs and Charts
2. Represent Data
3. Graphing Linear Functions
4. Parallel Lines
5. Solutions of Linear Equations
6. Graphing Higher Power Functions
7. Quiz 1: Graphing
8. Solving Absolute Value Inequalities
9. Solving Linear Equations
10. Solving Linear Inequalities
11. Quiz 2: Equations
12. Multi-Step Word Problems (Rate)
13. Multi-Step Word Problems (Work)
14. Multi-Step Word Problems (Percent Mixture)
15. System of Equations
16. System of Linear Inequalities
17. Quiz 3: Equations
18. Test

EOM

## Unit 7: Final Exam

**Assignments**

1. Final Exam
2. Alternate Final Exam*

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# GED Test Prep

GED® Test Prep

## Unit 1: Reasoning Through Language Arts

**Assignments**

1. Overview and Diagnostic Test
2. Main Ideas
3. Cause and Effect, Compare and Contrast
4. Drawing Conclusions and Making Generalizations
5. Analyzing Language, Tone, and Word Choice
6. Analyzing Arguments
7. Relationships Between Texts
8. Plot
9. Understanding Characters
10. Theme
11. Style and Inferences
12. Understanding Point of View
13. Figurative Language
14. Parts of the Sentence
15. Independent and Subordinate Clauses
16. Sentence Errors
17. Parallel Structure and Agreement
18. Capitalization and Punctuation
19. Possessives and Contractions
20. Commonly Confused Words/Homonyms
21. Understanding the Writing Prompt
22. Planning and Organizing Your Writing
23. Developing a Thesis
24. Gathering Evidence
25. Writing Your Response
26. Revising, Editing, and Polishing
27. Review Test

GED® Test Prep

## Unit 2: Mathematical Reasoning

**Assignments**

1. Overview and Diagnostic Test
2. Numbers, Value, and Order of Operations
3. Place Value and Rounding
4. Factors, Multiples, and Exponents
5. Fractions
6. Decimals
7. Operating on Fractions and Decimals
8. Ratios
9. Proportion
10. Percentages
11. Percentages and Averages
12. Applications
13. Pictographs, Line Plots, Histograms
14. Interpreting Data: Tables and Graphs
15. Picture, Bar, and Pie Charts
16. Probability
17. Statistics
18. The Pictograph and Bar Graph
19. Combinations and Permutations
20. Measurement
21. Units and Conversion
22. Formula Review
23. Two-dimensional Figures
24. Triangle, Pythagorean Theorem
25. Three-dimensional Figures
26. Similar Figures and Scale Drawings
27. The Number Line, Power, Roots
28. Scientific Notation and Algebraic Expressions
29. Polynomials: Add and Subtract
30. Polynomials: Divide and Multiply
31. Algebraic Expressions and Variables
32. Expressions, Variables, and Exponents
33. More Expressions, Variables, and Exponents
34. Exponential Expressions
35. Exponential Functions
36. Simplifying Radicals
37. Dividing Radicals
38. Equations
39. Functions
40. Linear Equations
41. Inequalities
42. Verbal Problems
43. Review of Algebra (Part 1)
44. Review of Algebra (Part 2)
45. Review of Algebra (Part 3)
46. Graphing and Coordinate Geometry
47. Coordinate Graphs
48. Graphing Functions
49. Review Test

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GED® Test Prep

## Unit 3: Social Studies

**Assignments**

1. Overview and Diagnostic Test
2. Understanding Texts and Analyzing Point of View
3. Interpreting Visual Elements
4. Evaluating Evidence, Integrating Content
5. Report: Bias, Propaganda, and Point of View
6. American Revolution
7. Civil War, Westward Expansion
8. The Progressive Era
9. The Civil Rights Era
10. The Role of the U.S. in the World
11. The Constitution
12. Branches of Government
13. Political Parties and Voting
14. Economic Concepts and the U.S. System
15. The Economy and the Government
16. Labor/Consumer Issues
17. Early Civilizations
18. Exploration and Colonization
19. Report: Regional Lifestyles
20. Current World Issues
21. Report: Eras and Issues
22. Review Test

GED® Test Prep

## Unit 4: Science

**Assignments**

1. Overview and Diagnostic Test
2. Scientific Theories
3. Scientific Method
4. Conducting Investigations
5. Reasoning and Evaluating
6. Project: Research a Scientific Theory
7. Cell Structures and Functions
8. Cell Division and Reproduction
9. Ecosystems and Food Chains
10. Human Body Systems and Health
11. Reproduction, Heredity, and Genetics
12. Theories of Evolution and Natural Selection
13. Earth and Earth's Resources
14. Weather and Climate
15. Solar System and the Universe
16. Atoms and Molecules
17. The Periodic Table
18. Energy, Motion, and Forces
19. Types of Energy
20. Science Review Test

GED® Test Prep

## Unit 5: GED Practice Test

**Assignments**

1. Reasoning Through Language Arts, Part 1
2. Reasoning Through Language Arts, Part 2
3. Reasoning Through Language Arts, Part 3
4. Mathematical Reasoning, Part 1
5. Mathematical Reasoning, Part 2
6. Social Studies
7. Science, Part 1
8. Science, Part 2
9. Reasoning Through Language Arts, Part 1: Alternate Test 1*
10. Reasoning Through Language Arts, Part 2: Alternate Test 1*
11. Reasoning Through Language Arts, Part 3: Alternate Test 1*
12. Mathematical Reasoning, Part 1: Alternate Test 1*
13. Mathematical Reasoning, Part 2: Alternate Test 1*
14. Social Studies: Alternate Test 1*
15. Science, Part 1: Alternate Test 1*
16. Science, Part 2: Alternate Test 1*
17. Reasoning Through Language Arts, Part 1: Alternate Test 2*
18. Reasoning Through Language Arts, Part 2: Alternate Test 2*
19. Reasoning Through Language Arts, Part 3: Alternate Test 2*
20. Mathematical Reasoning, Part 1: Alternate Test 2*
21. Mathematical Reasoning, Part 2: Alternate Test 2*
22. Social Studies: Alternate Test 2*
23. Science, Part 1: Alternate Test 2*
24. Science, Part 2: Alternate Test 2*
25. Reasoning Through Language Arts, Part 1: Alternate Test 3*
26. Reasoning Through Language Arts, Part 2: Alternate Test 3*
27. Reasoning Through Language Arts, Part 3: Alternate Test 3*
28. Mathematical Reasoning, Part 1: Alternate Test 3*
29. Mathematical Reasoning, Part 2: Alternate Test 3*
30. Social Studies: Alternate Test 3*
31. Science, Part 1: Alternate Test 3*
32. Science, Part 2: Alternate Test 3*

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# HiSet Test Prep

HiSET® Test Prep

## Unit 1: Language Arts - Reading Test

**Assignments**

1. Overview and Diagnostic Test
2. Identify Main Ideas and Summarize Text
3. Cause and Effect, Compare and Contrast
4. Drawing Conclusions and Making Generalizations
5. Analyzing Language, Tone, and Word Choice
6. Analyzing Arguments
7. Plot
8. Understanding Characters
9. Theme
10. Style and Inferences
11. Understanding Point of View
12. Figurative Language
13. Process Categories
14. Review Test

HiSET® Test Prep

## Unit 2: Language Arts - Writing Test

**Assignments**

1. Overview and Diagnostic Test
2. Parts of the Sentence
3. Independent and Subordinate Clauses
4. Sentence Errors
5. Parallel Structure and Agreement
6. Capitalization and Punctuation
7. Possessives and Contractions
8. Commonly Confused Words/Homonyms
9. Understanding the Writing Prompt
10. Planning and Organizing Your Writing
11. Developing a Thesis
12. Gathering Evidence
13. Writing Your Response
14. Revising, Editing, and Polishing
15. Review Test

HiSET® Test Prep

## Unit 3: Mathematics

**Assignments**

1. Overview and Diagnostic Test
2. Numbers, Value, and Order of Operations
3. Real and Complex Numbers
4. Factors, Multiples, and Exponents
5. Ratios, Proportions, Percents
6. Measurable Attributes of Objects
7. Techniques, Formulas, and Tools for Measuring
8. Properties of Geometric Figures
9. Theorems of Lines and Triangles
10. Perimeter, Surface Area, Volume, Length, Angles
11. Counting and Distribution
12. Linear Relationships
13. Probability
14. Statistics
15. Combinations and Permutations
16. Algebraic Symbols and Functions
17. Linear and Nonlinear Functions and Inequalities
18. Simplifying Expressions, Functions
19. Expressions, Relations, Equations
20. Process Categories
21. Review Test

HiSET® Test Prep

## Unit 4: Social Studies

**Assignments**

1. Overview and Diagnostic Test
2. American Revolution
3. Civil War, Westward Expansion
4. The Progressive Era, Civil Rights
5. Major Eras in World History
6. The Role of the U.S. in the World
7. Citizenship and Civic Ideals
8. Different Systems of Government
9. The Role of the Citizen: Rights and Responsibilities
10. Economic Concepts and the U.S. System
11. The Economy and the Government
12. Supply and Demand/Needs and Wants
13. Physical and Human Geography
14. Economic, Political, and Social Factors
15. Using Maps and Other Tools
16. Social Studies Process Categories
17. Review Test

HiSET® Test Prep

## Unit 5: Science

**Assignments**

1. Overview and Diagnostic Test
2. Cell Structures and Function
3. Cell Division and Reproduction
8. Geologic Structures and Processes
9. Solar System and the Universe
10. Atoms and Molecules

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| | | |
|---|---|---|
| 4. Ecosystems and Food Chains | 11. Energy, Motion, and Forces |
| 5. Human Body Systems and Health | 12. Types of Energy |
| 6. Reproduction, Heredity, and Genetics | 13. Process Categories |
| 7. Earth and Earth's Resources | 14. Review Test |

HiSET® Test Prep

**Unit 6: HiSET® Practice Test**

**Assignments**

| | |
|---|---|
| 1. Reasoning Through Language Arts - Reading | 16. Reasoning Through Language Arts - Writing, Part 1: Alternate Test 2* |
| 2. Reasoning Through Language Arts - Writing, Part 1 | 17. Reasoning Through Language Arts - Writing, Part 2: Alternate Test 2* |
| 3. Reasoning Through Language Arts - Writing, Part 2 | 18. Mathematical Reasoning, Part 1: Alternate Test 2* |
| 4. Mathematical Reasoning, Part 1 | 19. Mathematical Reasoning, Part 2: Alternate Test 2* |
| 5. Mathematical Reasoning, Part 2 | 20. Social Studies, Part 1: Alternate Test 2* |
| 6. Social Studies, Part 1 | 21. Science, Part 1: Alternate Test 2* |
| 7. Science, Part 1 | 22. Reasoning Through Language Arts - Reading: Alternate Test 3* |
| 8. Reasoning Through Language Arts - Reading: Alternate Test 1* | 23. Reasoning Through Language Arts - Writing, Part 1: Alternate Test 3* |
| 9. Reasoning Through Language Arts - Writing, Part 1: Alternate Test 1* | 24. Reasoning Through Language Arts - Writing, Part 2: Alternate Test 3* |
| 10. Reasoning Through Language Arts - Writing, Part 2: Alternate Test 1* | 25. Mathematical Reasoning, Part 1: Alternate Test 3* |
| 11. Mathematical Reasoning, Part 1: Alternate Test 1* | 26. Mathematical Reasoning, Part 2: Alternate Test 3* |
| 12. Mathematical Reasoning, Part 2: Alternate Test 1* | 27. Social Studies, Part 1: Alternate Test 3* |
| 13. Social Studies, Part 1: Alternate Test 1* | |
| 14. Science, Part 1: Alternate Test 1* | |
| 15. Reasoning Through Language Arts - Reading: Alternate Test 2* | |

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# TASC Test Prep

TASC Test Prep

## Unit 1: Language Arts - Reading Literacy

**Assignments**

1. Overview and Diagnostic Test
2. Identify Main Ideas and Summarize Text
3. Analyze the Structures of Texts
4. Cause and Effect, Compare and Contrast
5. Drawing Conclusions and Making Generalizations
6. Analyzing Language, Tone, and Word Choice
7. Understanding Academic Language
8. Analyzing Arguments and Claims
9. Relationships Between Texts
10. Plot and Theme
11. Understanding Characters
12. Understanding Point of View
13. Figurative Language
14. Evaluate Diverse Media and Formats
15. Review Test

TASC Test Prep

## Unit 2: Language Arts - Writing

**Assignments**

1. Overview and Diagnostic Test
2. Sentence Structure
3. Sentence Errors: Run-ons and Comma Splices, and Parallelism
4. Capitalization and Punctuation
5. Possessives and Contractions
6. Commonly Confused Words/Homonyms
7. Understanding the Writing Prompt
8. Planning and Organizing Your Writing
9. Developing a Thesis
10. Write Arguments to Support a Claim
11. Strengthening Writing
12. Review Test

TASC Test Prep

## Unit 3: Mathematics

**Assignments**

1. Overview and Diagnostic Test
2. Numbers, Value, and Order of Operations
3. Complex Numbers
4. Expressions and Equations
5. Measurement
6. Perimeter, Surface Area, Volume, Length, Angles
7. Expressing Geometric Figures
8. Lines and Triangles
9. Circles
10. Probability
11. Statistics
12. Combinations and Permutations
13. Algebraic Expressions and Functions
14. Polynomials
15. Interpreting Functions
16. Reasoning with Equations and Inequalities
17. Review Test

TASC Test Prep

## Unit 4: Social Studies

**Assignments**

1. Overview and Diagnostic Test
2. Civil War and Reconstruction
3. The Industrial Era
4. Post-war United States (1940s-1970s)
5. Age of Revolutions (1750-1914)
6. Crisis and Achievement (1900-1945)
7. The World Since 1945
8. The Constitution
9. The Role of the Citizen
10. Politics and Government
11. Economic Basics
12. Government and Economics
13. Micro- and Macroeconomics
14. Places and Regions
15. Environment and Society
16. Review Test

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TASC Test Prep

**Unit 5: Social Studies**

**Assignments**

1. Overview and Diagnostic Test
2. Cell Structures and Function
3. Cell Division and Reproduction
4. Ecosystems
5. Human Body Systems and Health
6. Heredity and Genetics
7. Theories of Evolution and Natural Selection
8. Earth and Earth's Resources
9. Earth Systems
10. Earth's Place in the Universe
11. Matter
12. Motion and Forces
13. Types of Energy
14. Waves
15. Review Test

TASC Test Prep

**Unit 6: TASC Practice Tests**

**Assignments**

1. Reasoning Through Language Arts, Part 1
2. Reasoning Through Language Arts, Part 2
3. Reasoning Through Language Arts, Part 3
4. Mathematical Reasoning, Part 1
5. Mathematical Reasoning, Part 2
6. Social Studies, Part 1
7. Science, Part 1
8. Reasoning Through Language Arts, Part 1: Alternate Test 1*
9. Reasoning Through Language Arts, Part 2: Alternate Test 1*
10. Reasoning Through Language Arts, Part 3: Alternate Test 1*
11. Mathematical Reasoning, Part 1: Alternate Test 1*
12. Mathematical Reasoning, Part 2: Alternate Test 1*
13. Social Studies, Part 1: Alternate Test 1*
14. Science, Part 1: Alternate Test 1*
15. Reasoning Through Language Arts, Part 1: Alternate Test 2*
16. Reasoning Through Language Arts, Part 2: Alternate Test 2*
17. Reasoning Through Language Arts, Part 3: Alternate Test 2*
18. Mathematical Reasoning, Part 1: Alternate Test 2*
19. Mathematical Reasoning, Part 2: Alternate Test 2*
20. Social Studies, Part 1: Alternate Test 2*
21. Science, Part 1: Alternate Test 2*
22. Reasoning Through Language Arts, Part 1: Alternate Test 3*
23. Reasoning Through Language Arts, Part 2: Alternate Test 3*
24. Reasoning Through Language Arts, Part 3: Alternate Test 3*
25. Mathematical Reasoning, Part 1: Alternate Test 3*
26. Mathematical Reasoning, Part 2: Alternate Test 3*
27. Social Studies, Part 1: Alternate Test 3*
28. Science, Part 1: Alternate Test 3*

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# Placement Tests

## Bible Placement Test

Bible Placement Test

**Placement Test Bible Level 3**

**Assignments**

1. You Can Use The Bible
2. The Life Of Jesus Christ
3. O Joseph! What Was God's Plan?
4. Living For God
5. God Takes Care Of His People
6. The Bible Is The Word Of God
7. Archaeology And The Bible
8. God Gave Us The Need For Friends
9. God Wants Man To Help Man

Bible Placement Test

**Placement Test Bible Level 4**

**Assignments**

1. How Can I Live For God?
2. God's Knowledge
3. Saul Begins To Live For God
4. The Bible And Me
5. God Cares For Us
6. How Can I Know God Exists?
7. Geography Of The Old Testament
8. God-Given Worth
9. Witnessing For Jesus

Bible Placement Test

**Placement Test Bible Level 5**

**Assignments**

1. How Others Lived For God
2. Angels
3. The Presence Of God
4. Bible Methods And Structure
5. The Christian In The World
6. Proving What We Believe
7. Paul's Missionary Journeys
8. God Created Man For Eternity
9. Authority And Law

Bible Placement Test

**Placement Test Bible Level 6**

**Assignments**

1. From Creation To Moses
2. From Joshua To Samuel
3. The Kingdom Of Israel
4. The Divided Kingdom
5. Captivity And Restoration
6. The Life Of Jesus
7. The Followers Of Jesus
8. The Apostle Paul
9. Hebrews And General Epistles

Bible Placement Test

**Placement Test Bible Level 7**

**Assignments**

1. Worship
2. Mankind
3. Attributes Of God
4. Christian Evidences
5. Living The Balanced Life
6. The Psalms
7. Life Of Christ - Part 1
8. Life Of Christ - Part 2
9. Life Of Christ - Part 3

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Bible Placement Test

## Placement Test Bible Level 8

**Assignments**

1. Prayer
2. Sin And Salvation
3. Attributes Of God
4. Early Church Leaders
5. Early Church History
6. The Early Churches
7. The Book Of Proverbs
8. Choices
9. Understanding The Family

Bible Placement Test

## Placement Test Bible Level 9

**Assignments**

1. Introduction To The New Testament
2. The Gospels
3. The Acts Of The Apostles
4. The Pauline Epistles
5. The General Epistles
6. The Revelation Of Jesus Christ
7. Biblical Literature
8. How To Share Christ
9. God's Will For Your Life

Bible Placement Test

## Placement Test Bible Level 10

**Assignments**

1. Creation To Abraham
2. Abraham Through Joseph
3. The Exodus And The Wilderness
4. Israel In Canaan
5. The Judges And Spiritual Decline
6. The Kingdom
7. The Divided Kingdom
8. The Remaining Kingdom
9. The Captivity

Bible Placement Test

## Placement Test Bible Level 11

**Assignments**

1. The Faithfulness Of God
2. Romans Part I
3. Romans Part Ii
4. The Doctrine Of Jesus Christ
5. The Nation Of Israel
6. The History Of The Canon
7. Friendship, Dating, And Marriage
8. The Pursuit Of Happiness
9. Apologetics

Bible Placement Test

## Placement Test Bible Level 12

**Assignments**

1. Knowing Yourself
2. Knowing About Christian Ministries
3. Choosing A Christian Ministry
4. Godhead
5. Attributes Of God: Holiness, Goodness
6. The Epistles Of James And John
7. Biblical Literature (Daniel)
8. Comparative Religions
9. Wisdom For Today's Youth

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# History and Geography Placement Test

History Placement Test

## History and Geography Placement Test Level 3

**Assignments**

1. Geography
2. New England States
3. Mid-Atlantic States
4. Southern-Atlantic States
5. Southern States
6. Great Lakes States
7. Midwestern States
8. Mountain States
9. Pacific States

History Placement Test

## History and Geography Placement Test Level 4

**Assignments**

1. Our Earth
2. Seaport Cities
3. Desert Lands
4. Grasslands
5. Tropical Rainforests
6. The Polar Region
7. Mountain Countries
8. Living in Island Countries
9. North America

History Placement Test

## History and Geography Placement Test Level 5

**Assignments**

1. Exploring the New World
2. Colonial American Life
3. Thirteen Colonies Became a New Nation
4. New Lands and Troubled Times
5. The United States Becomes a World Leader
6. United by Transportation and Communication
7. The United States - One Nation With Many Regions
8. Our Southern Neighbors
9. Canada: Our Northern Neighbors

History Placement Test

## History and Geography Placement Test Level 6

**Assignments**

1. World Geography
2. The Cradle of Civilization
3. The Civilizations of Greece and Rome
4. Life in the Middle Ages
5. Western Europe
6. Eastern Europe
7. Africa
8. Six South American Countries
9. Seven South American Countries

History Placement Test

## History and Geography Placement Test Level 7

**Assignments**

1. What is History?
2. What is Geography?
3. The United States
4. Anthropology - The Study of Mankind
5. Sociology - Man in Groups
6. Anthropology and Sociology of the United States
7. Economics - Resources and Needs
8. Political Science
9. Economics and Politics of a State

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History Placement Test

## History and Geography Placement Test Level 8

**Assignments**

1. European Backgrounds
2. The Colonization of America
3. War for Independence
4. The Emergence of a Nation
5. The Westward Movement
6. The Civil War
7. The Industrial Nation
8. Twentieth Century World Power
9. The United States in a Changing World

History Placement Test

## History and Geography Placement Test Level 9

**Assignments**

1. Introduction to Geography
2. Human Geography
3. North America
4. Central America, South America, and the Caribbean
5. Oceania, Australia, and Antarctica
6. Western Europe
7. Eastern Europe and Russia
8. Sub-Saharan Africa
9. North Africa and Southwest Asia
10. Central, South, East, and Southeast Asia

History Placement Test

## History and Geography Placement Test Level 10

**Assignments**

1. Ancient Civilizations I
2. Ancient Civilizations II
3. The Medieval World
4. Renaissance and Reformation
5. Growth of World Empires
6. The Age of Revolution
7. The Industrial Revolution
8. Two World Wars
9. The Contemporary World

History Placement Test

## History and Geography Placement Test Level 11

**Assignments**

1. Foundations of the American Republic
2. Development of Constitutional Government
3. National Expansion
4. A Nation Divided
5. A Nation Divided and United
6. United States Involvement at Home and Abroad
7. The Search for Peace
8. A Nation at War
9. Contemporary America

History Placement Test

## History and Geography Placement Test Level 12

**Assignments**

1. International Governments
2. United States Government
3. The American Party System
4. History of Governments
5. The Christian and His Government
6. Free Enterprise
7. Business and You
8. The Stock Market
9. Budget and Finance
10. Banking
11. International Issues

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# Language Arts Placement Test

Language Arts Placement Test

## Language Arts Placement Test Level 3

**Assignments**

1. Vowels, Main Idea, Capitalization
2. Sentences, Capitalization, ABC Order
3. Dictionary Skills, Word Parts, Vocabulary
4. Parts of Speech, Irregular Vowels, Comprehension
5. Reading to Understand, Commas, Silent Letters
6. Cause and Effect, Homographs, Haiku Poetry
7. Following Directions, Suffixes, Pronouns, Friendly Letters
8. Reading a Play, Comparing with Adjectives, Root Words
9. Classifying, References, Thank-You Letters, Predicting Outcomes

Language Arts Placement Test

## Language Arts Placement Test Level 4

**Assignments**

1. Reading and Writing
2. Reading For Meaning
3. Word Play
4. Words in Season
5. Reading and Writing Stories
6. Rhymes and Reports
7. Forms of Literature
8. Language in Literature
9. Reading and Researching

Language Arts Placement Test

## Language Arts Placement Test Level 5

**Assignments**

1. Jesus, Our Example
2. Working with Information
3. The Story of our Language
4. Effective Communication
5. Reading and Writing Stories
6. Poetry
7. Reading Comprehension
8. Working with Words
9. Reading and Study Skills

Language Arts Placement Test

## Language Arts Placement Test Level 6

**Assignments**

1. Elements of Grammar
2. Grammar Usage and Placement
3. Reading Skills
4. Writing Skills
5. Newspapers and Propaganda
6. Literary Forms
7. Reading for a Purpose
8. Poetry
9. Bible Literature

Language Arts Placement Test

## Language Arts Placement Test Level 7

**Assignments**

1. Nouns, Pronouns, Affixes, and Using Words Correctly
2. Usage, Speaking and Listening, Verb Tenses
3. Biographies and Grammar (Affixes)
4. Structure of Written and Spoken Language
5. The English Language
6. Mechanics and Structure of English
7. The Hiding Place: A Study Guide
8. Nonfiction and Communication
9. Writing and Pronunciation

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Language Arts Placement Test

## Language Arts Placement Test Level 8

**Assignments**

1. Communication
2. The English Language
3. Punctuation and Literature
4. Words and How to Use Them
5. Correct Language Usage
6. Language and Literature
7. Critical Reading and Paragraph Skills
8. Writing, Listening, and Reading
9. The English Language

Language Arts Placement Test

## Language Arts Placement Test Level 9

**Assignments**

1. The Structure of Language
2. Nature of Language
3. Words and Writing
4. Language in Literature
5. Reading With Skill
6. Persuasion, Visual Aids, and Poetry
7. Communication
8. The Library and Drama
9. Studies in the Novel

Language Arts Placement Test

## Language Arts Placement Test Level 10

**Assignments**

1. Language Structure
2. Writing Effective Sentences
3. Writing and Reading Skills
4. Speaking and Listening
5. The Development of English
6. The Short Story
7. Studies in the Novel
8. Drama
9. Poetry

Language Arts Placement Test

## Language Arts Placement Test Level 11

**Assignments**

1. Varieties of English
2. Sentence Elements
3. Sentence Workshop
4. Meaning and Main Ideas
5. Poetry
6. Nonfiction
7. American Drama
8. The American Novel
9. Research

Language Arts Placement Test

## Language Arts Placement Test Level 12

**Assignments**

1. The Worth of Words
2. The Structure of Language
3. Reading and Research
4. Language: God's Gift to Man
5. Medieval English Literature
6. Elizabethan Literature
7. Seventeenth/Eighteenth-Century English Literature
8. Romantic and Victorian Poetry
9. Creative Writing

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# Mathematics Placement Test

Mathematics Placement Test

## Mathematics Placement Test Level 3

**Assignments**

1. Whole Numbers
2. Number Patterns
3. Whole Numbers and Fractions
4. Place Value
5. Measurement, Shapes, and Concept Review
6. Multiplication, Addition and Subtraction
7. Operations, Likelihood and Probability
8. Measurement, Fractions and Decimals
9. Review Multiple Concepts

Mathematics Placement Test

## Mathematics Placement Test Level 4

**Assignments**

1. Number Sense and Place Value
2. Rounding and Estimation
3. Whole Numbers and Fractions
4. Lines and Shapes
5. Division and Measurement
6. Multiplication and Fractions
7. Fractions and Patterns
8. Division and Fractions
9. Decimals and Fractions
10. Graphing and Review

Mathematics Placement Test

## Mathematics Placement Test Level 5

**Assignments**

1. Place Value, Addition, and Subtraction
2. Multiplying Whole Numbers and Decimals
3. Dividing Whole Numbers and Decimals
4. Algebra and Graphing
5. Measurement
6. Factors and Fractions
7. Fraction Operations
8. Data Analysis and Probability
9. Geometry
10. Perimeter, Area, and Volume

Mathematics Placement Test

## Mathematics Placement Test Level 6

**Assignments**

1. Whole Numbers and Algebra
2. Data Analysis
3. Decimals
4. Fractions
5. Fraction Operations
6. Ratio, Proportion and Percent
7. Probability and Geometry
8. Geometry and Measurement
9. Integers and Transformations
10. Equations and Functions

Mathematics Placement Test

## Mathematics Placement Test Level 7

**Assignments**

1. Integers
2. Fractions
3. Decimals
4. Patterns and Equations
5. Ratios and Proportions
6. Probability and Graphing
7. Data Analysis
8. Geometry
9. Measurement and Area
10. Surface Area and Volume

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Mathematics Placement Test

## Mathematics Placement Test Level 8

**Assignments**

1. Pre-Algebra: The Real Number System
2. Pre-Algebra: Integers
3. Pre-Algebra: Rational Numbers
4. Pre-Algebra: Proportional Reasoning
5. Pre-Algebra: Functions
6. Pre-Algebra: Measurement
7. Pre-Algebra: Plane Geometry
8. Pre-Algebra: Solid Figures
9. Pre-Algebra: Data Analysis
10. Pre-Algebra: Probability

Mathematics Placement Test

## Mathematics Placement Test Level 9

**Assignments**

1. Algebra I: Foundations of Algebra
2. Algebra I: Linear Equations
3. Algebra I: Functions
4. Algebra I: Inequalities
5. Algebra I: Linear Systems
6. Algebra I: Polynomials
7. Algebra I: Exponential and Radical Functions
8. Algebra I: Quadratics
9. Algebra I: Rational Expressions
10. Algebra I: Probability and Statistics

Mathematics Placement Test

## Mathematics Placement Test Level 10

**Assignments**

1. Geometry: Introduction
2. Geometry: Logic
3. Geometry: Angles and Parallels
4. Geometry: Congruent Triangles and Quadrilaterals
5. Geometry: Similar Polygons
6. Geometry: Circles
7. Geometry: Area and Volume
8. Geometry: Coordinate Geometry
9. Geometry: Transformations

Mathematics Placement Test

## Mathematics Placement Test Level 11

**Assignments**

1. Algebra II: Set, Structure, and Function
2. Algebra II: Numbers, Sentences, and Problems
3. Algebra II: Linear Equations and Inequalities
4. Algebra II: Polynomials
5. Algebra II: Algebraic Fractions
6. Algebra II: Real Numbers
7. Algebra II: Quadratic Relations and Systems
8. Algebra II: Exponential Functions
9. Algebra II: Counting Principles

Mathematics Placement Test

## Mathematics Placement Test Level 12

**Assignments**

1. Precalculus: Relations and Functions
2. Precalculus: Functions
3. Precalculus: Trigonometric Functions
4. Precalculus: Circular Functions and their Graphs
5. Precalculus: Identities and Functions of Multiple Angles
6. Precalculus: Application of Trigonometric Functions
7. Precalculus: Inverse Trigonometric Functions and Polar Coordinates
8. Precalculus: Quadratic equations
9. Precalculus: Probability
10. Precalculus: Calculus and Review

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# Science Placement Test

Science Placement Test

## Science 3 Placement Test

**Assignments**

1. You Grow And Change
2. Plants
3. Animals: Growth And Change
4. You Are What You Eat
5. Properties Of Matter
6. Sounds And You
7. Time And Seasons
8. Rocks And Their Change
9. Heat Energy

Science Placement Test

## Science 4 Placement Test

**Assignments**

1. Plants
2. Animals
3. Man And His Environment
4. Machines
5. Electricity And Magnetism
6. Water And Matter
7. Weather
8. Our Solar System And The Universe
9. The Planet Earth

Science Placement Test

## Science 5 Placement Test

**Assignments**

1. Cells
2. Plants: Life Cycles
3. Animals: Life Cycles
4. Balance In Nature
5. Transformation Of Energy
6. Records In The Rock: The Flood
7. Records In The Rock: Fossils
8. Records In Rock: Geology
9. Cycles In Nature

Science Placement Test

## Science 6 Placement Test

**Assignments**

1. Plant Systems
2. Animal Systems
3. Plants And Animal Behavior
4. Molecular Genetics
5. Chemical Structure And Change
6. Light And Sound
7. Motion And Its Measurement
8. Spaceship Earth
9. Astronomy And The Stars

Science Placement Test

## General Science I Placement Test

**Assignments**

1. What Is Science?
2. Perceiving Things
3. Earth In Space (Part 1)
4. Earth In Space (Part 2)
5. The Atmosphere
6. Weather
7. Climate
8. The Human Anatomy (Part 1)
9. The Human Anatomy (Part 2)

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Science Placement Test

## General Science II Placement Test

**Assignments**

1. Science And Society
2. Structure Of Matter (Part 1)
3. Structure Of Matter (Part 2)
4. Health And Nutrition
5. Energy (Part 1)
6. Energy (Part 2)
7. Machines (Part 1)
8. Machines (Part 2)
9. Balance In Nature

Science Placement Test

## Integrated Physics and Chemistry Placement Test

**Assignments**

1. Explorations In Physical Science
2. The Structure Of Matter
3. Matter And Change
4. States Of Matter
5. Motion And Forces
6. Work And Energy
7. Heat Flow
8. Electricity And Magnetism
9. Waves
10. Chemistry And Physics In Our World

Science Placement Test

## Biology Placement Test

**Assignments**

1. Taxonomy: Key To Organization
2. Chemistry Of Life
3. Cells
4. Cell Division And Reproduction
5. Genetics: God's Plan For Inheritance
6. Microbiology
7. Plants: Green Factories
8. Human Anatomy And Physiology
9. Ecology, Pollution, And Energy
10. Principles And Applications Of Biology

Science Placement Test

## Chemistry Placement Test

**Assignments**

1. Measurement And Analysis
2. Starting The Investigation: How To Identify Elements, Compounds, And Mixtures
3. Exploring Laws For Gases And Conservation Of Mass
4. The Discovery Of Atoms: Nature's Building Blocks
5. Molecular Structure
6. Chemical Reactions, Rates, And Equilibrium
7. Equilibrium Systems
8. Carbon Chemistry: Hydrocarbons
9. Carbon Chemistry: Functional Groups
10. Chemistry Review

Science Placement Test

## Physics Placement Test

**Assignments**

1. Kinematics
2. Dynamics
3. Work And Energy
4. Introduction To Waves
5. Light
6. Static Electricity
7. Electric Currents
8. Magnetism
9. Atomic And Nuclear Physics
10. Review

(*) Indicates alternative assignment

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