

2018–2019

Christian School
**Scope &
Sequence**

Preschool through Grade 12

abeka.com 
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Language Arts**Two-Year-Olds**

Language development and listening skills that include color words, shapes, animals, transportation, countries, community helpers, health, safety, manners, science

Three-Year-Olds

Recognition of name, sound, and picture for short vowels and consonants
Formation of vowels and consonants in upper and lower case

Language development and listening skills that include color words, shapes, animals, transportation, countries, community helpers, health, safety, manners, science

Numbers

Simple counting 1-25
Number concepts 1-10
Simple counting 1-30

Number concepts 1-15

Bible

Hymns/choruses
Memory verses

Lessons such as Creation, Noah, Boy Samuel, Daniel, Boyhood of Jesus, Zacchaeus, Good Samaritan

Music Arts & Crafts

Traditional and fun songs

Colors, shapes, following directions, eye-hand coordination

Language Arts**Phonics and Reading**

Recognition of name, sound, and picture of long and short vowels and consonants
Sounding of blends and one- and two-vowel words
Reading of sentences and stories with one- and two-vowel words

Cursive Writing

Formation of letters, blends, and words
Writing of first name

Poetry

Twenty-six poems and finger plays committed to memory

Language

Language development and listening skills that include color, words, shapes, animals, transportation, countries, community helpers, health, safety, manners, science

Numbers

Number recognition and counting 1-100
Number concepts 1-20
Numbers before and after 1-20
Numbers largest and smallest 1-20

Addition facts

1 + 1	6 + 1
2 + 1	7 + 1
3 + 1	8 + 1
4 + 1	9 + 1
5 + 1	

Bible

Lessons such as Creation, Noah, Boy Samuel, Daniel, Boyhood of Jesus, Zacchaeus, Good Samaritan (includes memory verses and hymns/choruses)

Music Arts & Crafts

Traditional and fun songs

Development of motor skills in drawing, coloring, cutting, and gluing

Language Arts

Phonics and Reading

Recognition of name, sound, and picture of long and short vowels and consonants
Sounding of blends, one- and two-vowel words, and words with special sounds
Beginning phonics rules and special sounds
Reading of sentences and stories from thirteen books containing one- and two-vowel words and special sounds

Cursive Writing

Letters, blends, words, and sentences
Name

Language

Recognition of sentences by capital letters and periods
Rhyming words
Opposites

Poetry

Thirteen poems committed to memory

Numbers

Number recognition, counting, and writing 1–100
Number concepts 1–100
Numbers before and after 1–100
Numbers largest and smallest 1–100
Counting and writing by tens to 100
Counting and writing by fives to 100
Counting and writing by twos to 100
Number sequences by ones

Using number words 1–10 and first-tenth
Value of coins and dollar bill
Telling time
Using the calendar
Days of the week
Addition facts through 10
One-step story problems in addition
Beginning subtraction
Sequencing
Same/different
Basic geometric shapes

Fractions—one half, one fourth
Arithmetic symbols—plus, minus, equals

Science

Plants

God's Plan for Seeds

Animals

God's Plan for Animals
God's Plan for the Seashore

Health and Human Biology

God's Plan for Me

Earth and Space

God's Plan for Weather
God's Plan for Seasons

Social Studies

Community Helpers
Children of the World

America: Our Great Country (map studies, famous Americans and places)

Bible

Hymns/choruses
Memory verses
Bible doctrine

Lessons: Salvation Series, Genesis, Life of Christ, Missionary Stories

Music Arts & Crafts

Traditional, patriotic, fun songs

Basic art concepts and techniques (cutting, gluing, painting) and further development of coordination/motor skills

Language Arts**Phonics**

Review of vowels, consonants, blends, one- and two-vowel words, consonant blends
 Recognition and use of all phonics special sounds in reading
 Spelling rules: doubling consonants, dropping silent e, changing y to i

Reading

Oral reading
 Comprehension
 Vocabulary development

Language

Capitalization of first word in a sentence, proper names, names of God, days of the week, and months of the year
 Correct punctuation at the ends of sentences
 Recognition of complete sentences
 Words using suffixes, prefixes, syllables, compound words, rhyming words, opposite words, same meaning words, and contractions
 Alphabetizing of words
 Writing complete sentences and short stories

Creative Writing

Chronological
 Informational
 Original

Spelling and Poetry

Weekly phonics-based word list
 Weekly test with phonics
 Reinforcement activities
 Eight poems committed to memory with poetic elements

Penmanship

Review of letter formation
 Connecting letters
 Daily seatwork practice in all academic areas

Arithmetic

Number recognition, counting, and writing 1–1,000
 Greatest and least
 Counting and writing by tens, fives, twos, and threes
 Number sequences
 Ordinal numbers
 Addition facts through 13 and three-digit addition with carrying
 Subtraction facts through 13 and two-digit subtraction
 Story problems
 Numbers before and after by ones, twos, tens

Between numbers
 Counting and combining coins
 Telling time to the nearest five minutes
 Recognizing odd and even numbers
 English and some metric measures
 Place value in ones, tens, and hundreds
 Unit fractions $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$
 Reading a thermometer
 Using a ruler
 Multiple combinations

Concept of multiplication
 Calendars
 Reading pictographs and bar graphs
 Developing listening skills
 Roman numerals

History and Geography**Social Studies**

Community Helpers
 America Our Great Country
 Children of the World

This is my America

My America's Freedom
 Symbols of America

Great People of America
 My America Grows
 My America Travels
 My America Talks
 My America is Beautiful
 My America Sings

This is My World

Canada, Mexico, Peru,
 The Bahamas, England, France,
 Switzerland, the Netherlands,
 Norway, Germany, Italy, Kenya,
 Egypt, Israel, India, China,
 Australia, Japan

Science**Health and Human Biology**

Discovering Myself

Energy, Forces, Machines

Discovering My Toys

Animals

Discovering Animals
 Discovering Insects

Plants

Discovering Plants

Seasons

Discovering Seasons

Health, Safety, Manners**Health**

Eating good foods
 Exercising
 Rest
 Posture
 Care of body, clothes, home

Safety

At home and away from home
 On streets, playgrounds, water

Manners

At home, school, church, public

Bible

Lessons: Salvation Series, Genesis, Life of Christ, Paul
 (includes memory verses, hymns /choruses, and Bible doctrine)

Music Arts & Crafts

Traditional, patriotic, fun songs

Development of art concepts and techniques in multiple types of media based on the color wheel.

Language Arts

Phonics

Review of vowels, consonants, blends, one- and two-vowel words, consonant blends
Recognition and use of all phonics special sounds in reading
Spelling rules: doubling consonants, dropping silent e, changing y to i

Reading

Oral and silent reading
Developing accuracy, fluency, comprehension, and analytical skills
Literary terms and components
Analysis of literature and illustration

Cursive Writing

Review of letter formation
Guided creative writing
Writing paragraphs, stories, poems, and journal entries
Daily seatwork practice in all academic areas

Spelling and Poetry

Weekly phonics-based word list
Vocabulary words and definitions second semester
Weekly test
Reinforcement activities
Eight poems committed to memory

Language

Capitalization of first word in a sentence, days of the week, months of the year, special holidays, names of God, and proper nouns

Correct punctuation at the ends of sentences
Complete sentences, 4 kinds of sentences, subjects and predicates, 4 parts of speech
Words using suffixes, prefixes, abbreviations, compound words, rhyming words, opposite words, same-meaning words, singular and plural words, singular possessive words, and contractions
Alphabetizing words and other research skills
Word usage rules
Writing of complete sentences, questions, exclamations
Proofreader's marks for capitalization, spelling, punctuation

Arithmetic

Number recognition, counting, and writing 1–10,000 and beyond
Numbers greatest and least
Counting and writing to hundred thousands, by threes to 36, by fours to 48
Ordinal numbers
Addition facts through 18, column addition, four-digit addition with carrying
Subtraction facts through 18, four-digit subtraction with borrowing
Multiplication facts 0, 1, 2, 3, 5, 10
Division facts 2, 3, 5, 10

Story problems
Multiple combinations
Estimation
Rounding
Numbers before and after by ones, twos, threes, fives, tens, twenty-fives, and hundreds
Counting and combining coins and bills
Telling time to the nearest minute
English and some metric measures
Drawing and measuring lines to one-half inch
Developing listening skills

Calendars
Place value to hundred thousands
Unit fractions, comparing fractions
Determining change
Reading a thermometer
Reading pictographs, bar graphs, line graphs, and circle graphs
Roman numerals

History

America's flags and freedoms
Early Americans
American holidays and songs
Colonial life
Declaration of Independence
American War for Independence

Pioneers
Civil War
Railroads and cattle ranching
American immigrants
American free enterprise system and work ethic

American inventions, inventors, scientists, and athletes
Americans of courage and creativity
Last states and territories added
Good citizenship

Science

Creator's design, plan, and balance
Human brain and body systems
Five sense organs
Plants: parts and growth
Animals and their habitats: oceans, ponds, forests, savannas, rainforests
Scientific investigation

How and where scientists work
Science tools and safety
Energy, force, movement
Work and machines
States of matter
Atmosphere and water cycle
Predicting weather

Planets and solar system
Stars, sun, moon
Earth: planet designed for life

Health, Safety, Manners

Health

Posture
Nutrition/exercise
Rest/cleanliness
Preventative care

Safety

Emergency preparation at home and away from home
Winter and water safety
Storm safety

Manners

Courtesy
Kindness
Cheerfulness
Respect
Thoughtfulness
Thankfulness
Patience
Table manners

Bible

Lessons: Salvation Series, Life of Moses, Joshua, Judges, Ruth, Jonah, Favorite Bible Stories, Christmas, Crucifixion and Resurrection (includes memory verses, hymns/choruses, and Bible doctrine)

Music Arts & Crafts

Traditional, patriotic, fun songs

Seasonal and keepsake projects that develop art concepts and techniques using multiple types of media, featuring chalk

Language Arts

Phonics and Reading

Oral and silent reading
Developing accuracy, fluency, comprehension, and analytical skills
Reading comprehension
Vocabulary development
Discussion
Analysis of literature and illustration
Application of literary terms and components

Writing

Review cursive formation
¾-space high

Writing original paragraphs, stories, journal entries
Creative writing prompts
Research reports

Spelling and Poetry

Weekly word list with vocabulary based on spelling rules and patterns
Sentence construction using spelling words
Learning strategies and spelling logic
Reinforcement activities
Eight poems committed to memory

Language Writing Process

Complete sentences
Creative writing, friendly letters

Grammar

Punctuation and capitalization rules
Recognition of simple nouns, subjects, verbs, adjectives, adverbs, conjunctions
Word usage
Forming plurals and common contractions
Recognition of antonyms, homonyms, synonyms
Dictionary skills, glossary skills

Arithmetic

Recognition of the place value of numbers
Rounding and estimation
Addition facts and checking addition problems with carrying
Subtraction facts and checking subtraction problems with borrowing
Multiplication tables 0–12 and multiplication problems with carrying
How to show a multiplication fact six ways
Division tables 1–12 and working and checking a division problem

Terminology for four processes
English and metric measures
Telling time
Roman numerals 1–1,000
Using a ruler
Solving story problems with up to four steps
Recognizing and solving number sentences
Converting measures and solving measurement equations
Recognizing and working with greater than (>) and less than (<)

Counting money and solving money problems using the decimal point correctly
Solving problems containing parentheses
Fraction terminology and basic understanding of fractions
Averaging numbers
Reading a thermometer
Recognizing geometric shapes, terminology, perimeter, and area
Finding the unknown number in an equation
Reading and constructing bar graphs, pictographs, and line graphs

History and Geography

Continents and oceans of the world
Study of world geography
States of the United States

Study of our American heritage through the lives of great people

Founding of America, including
Miles Standish
William Penn

Benjamin Franklin
Benjamin Banneker
Dolley Madison
Expanding of America (plus Civil War era) including
Daniel Boone
Lewis and Clark
Harriet Tubman
Abraham Lincoln
DL Moody

Modernization of America, including
Alexander Graham Bell
Theodore Roosevelt
George Washington Carver
Amelia Earhart
Ronald Reagan

Final Chapter includes short summaries of more recent/current influential figures

Science

Scientist

Scientific method
How/where scientists work
Tools, graphing, safety

How creation works

Energy sources/types
Force/movement/machines
Structures/magnetism/matter

Earth's atmosphere

Weather/water cycle/climates

Earth's surface

Shape/structure/soil
Landforms/weathering/surface changes/rock
Stewardship

Plant world

Seeds/structures/other ways plants sprout
Forest types/decomposers/plants that grow from spores

Solar system

Sun/planets/stars/moon
Time/space science/our home

Animal world & habitat

Vertebrates/invertebrates
Prairie/desert/raintforest/arctic/coral reef/stream

Human body systems

Cells/tissue/organs
Nervous system/sense organs
Heart & circulatory system
Lungs & respiratory system
Teeth & digestive system
Bones & skeletal system
Muscles & muscular system

Health, Safety, Manners

Health

Posture, exercise
Nutrition, diet
Cleanliness
Preventative care
spiritual, mental, social health

Safety

Fire, water safety
Home, play safety
Street safety
Online safety
First aid

Manners

Mealtime manners
Proper introductions
Telephone manners
Courtesy and respect
Refusal techniques
Bullying procedures

Bible

Lessons: Salvation Series, David, Elijah, Elisha, Daniel, Ezra / Nehemiah, Esther, Christmas, Crucifixion and Resurrection, Parables, Samuel, (includes memory verses, hymns / choruses, and Bible doctrine)

Music Arts & Crafts

Music theory/flutophone
Traditional, patriotic, fun songs

Development of art concepts and techniques in multiple types of media featuring charcoal and water colors

Language Arts**Reading and Literature**

Oral reading
Reading comprehension
Speed reading
Vocabulary building

Penmanship

Review of cursive writing formation through skill practice, word games, original composition, and sentence dictation

Spelling, Vocabulary, and Poetry

Weekly word lists with challenging words and vocabulary

Reinforcement activities
Six poems committed to memory

Language Writing Process

Letters—friendly, post cards, thank-you notes
Gathering information
Writing with details
Writing an encyclopedia report
Writing book reports
Creative writing
Dictionary skills

Grammar

Sentence structure, kinds of sentences, punctuation, capitalization facts, abbreviations, possessive words
Recognizing and using all eight parts of speech
Diagraming verbs, nouns, pronouns, adjectives, adverbs
Correctly using troublesome words

Arithmetic

Place value of whole numbers and decimals
Mastery of fundamental operations
Story problems
Estimating answers
English and metric measures
Converting measures within the same system and solving measurement equations
Roman numerals

Addition, subtraction, and multiplication involving fractions
Estimation
Averaging
Factoring
Divisibility rules
Introduction to decimals
Making change
Reading a thermometer

Solving equations using addition and subtraction axioms
Graphs and scale drawing
Basic geometric shapes
Perimeter and area
Using an English and metric ruler
Time lapse

History and Geography

Map study
State history for six weeks
Eight documents memorized
The Years of Discovery
The Years of Exploration
The First Americans
The English Come to America
The New England Colonies
The Middle and Southern Colonies

A Picture of Colonial Life
The Great Awakening
The French and Indian War
The American War for Independence
Building a New Nation
Our Nation Grows
The Civil War
New Frontiers

An Age of Progress
Beyond Our Boundaries
The World Wars
Time for Freedom and Responsibility

Science**Plants**

Plants: Provision for Man and Beast

Animals

Insects: Miniature Marvels of Creation
Birds: Winged Wonders

Matter

Matter: Water, Air, and Weather

Energy

Energy: Sound and Hearing

Earth and Space

Geology: Planet Earth
Oceanography: Wonders of the Sea
Astronomy: Consider the Heavens

Health**Physical Fitness**

Your Body Framework
The Muscle Builder
Your Breathing Machine

Personal Hygiene

A Winning Smile
Your Body's Cover
Keys to Good Grooming

Interpersonal Relationships

A Healthier You

Bible

Lessons: Salvation Series, Genesis, Life of Christ, Life of Paul
(includes memory verses, hymns /choruses, and Bible doctrine)

Music Arts & Crafts

Music theory/flutophone
Traditional, patriotic, fun songs

Basic drawing and painting techniques, color concepts, and perspective

Language Arts

Reading and Literature

Oral reading
Reading comprehension
Speed reading
Vocabulary building

Penmanship

Review of cursive writing formation through skill practice, word exercises, original composition, and sentence dictation

Spelling, Vocabulary, and Poetry

Weekly word lists on various categories and vocabulary study
Six poems committed to memory

Language Writing Process

Sentences and sentence parts
Synonyms, antonyms, homonyms
Dictionary, thesaurus skills
Letters—friendly, post cards, thank-you notes
Making an outline
Writing a library research paper
Writing book reports
Creative writing

Grammar

Punctuation, capitalization, and quotation facts
Recognizing and diagraming all eight parts of speech
Recognizing and diagraming complements
Word usage

Arithmetic

Place value of whole numbers and decimals
Mastery of fundamental operations
Story problems
Problem-solving strategies
Roman numerals
Measuring to the eighth inch
Calculating time
Making change
Rounding off whole numbers, money, decimals, and mixed numbers
English and metric measures

Converting measures within the same system and solving measurement equations
Addition, subtraction, multiplication, and division involving fractions
Finding parts of a whole
Factoring
Divisibility rules
Probability
Addition, subtraction, multiplication, and division involving decimals
Introduction to percents
Reading a thermometer
Negative temperature

Converting from a Celsius scale to a Fahrenheit scale and from a Fahrenheit scale to a Celsius scale
Solving algebraic equations
Graphs and scale drawings
Graphing ordered pairs
Reading schedules and charts
Basic geometric shapes
Perimeter and area
Squares and square roots
Estimation

History and Geography

Eight documents reviewed
Geography facts: terms, rivers, capitals, mountains, climate, deserts
Introduction to History and Geography
Fertile Crescent: Cradle of Civilization
Ancient Middle East
Middle East Today

Countries of Central and Southern Asia
Countries of the Far East
Egypt: The Gift of the Nile
Africa Long Ago
Africa in Modern Times
Ancient Greece: Home of Beauty
Rome: Ruler of the Ancient World
Christianity: The Greatest Force in History

England and the British Isles
Other Countries of Western Europe
Countries of Eastern Europe
"Land Down Under" and Beyond

Science

Animals

Amazing Mammals
A Variety of Vertebrates

Energy

Force and motion
Electricity and magnetism

Engines: steam, internal combustion, jet propulsion, rocket engines
Light

Matter

Water, Air, Weather

Earth and Space

Geology: Treasures of the Earth
Oceanography: The Living Sea
Astronomy: The Eight Planets, Stars, Moon, Sun
Conservation: Preserving the Sea

Health

Circulatory System

Life in the Blood
Your Hardy Heart
Pathways through Your Body

Nutrition and Physical Fitness

A Balanced Diet
Daily Food Guide
Maintaining Your Proper Weight
Raising Your Rate of Metabolism

Aerobic Endurance
Muscular Strength and Flexibility

Digestive System

Digestion Begins in the Mouth
Through the Esophagus, Stomach, Small Intestine, Liver, Pancreas
Absorbing Digested Foods

Interpersonal Relationships

Social Acceptance, Mental Awareness, Spiritual Warfare

Bible

Lessons: Salvation Series, Life of Moses, Tabernacle, Joshua, Judges, Ruth, Jonah, Samuel, Christmas, Crucifixion and Resurrection, Life of David (includes memory verses, hymns/choruses, and Bible doctrine)

Music Arts & Crafts

Traditional, patriotic, fun songs

Basic drawing and painting techniques, color concepts, and perspective

Language Arts**Reading and Literature**

Oral reading
Reading comprehension
Speed reading
Vocabulary building

Penmanship

Review of cursive writing formation
Practice penmanship through creative writing and word exercises

Spelling, Vocabulary, and Poetry

Weekly word lists by prefixes, suffixes, and root words
Vocabulary study from the word lists
Eight poems committed to memory

Language Writing Process

Writing paragraphs, poetry, outlines, library research paper, narration, journal, book reports, letters, creative writing

Sentences and sentence parts
Fragments, run-ons
Library skills
Student Writers' Handbook

Grammar

Punctuation and capitalization rules
Recognizing, diagraming, using all eight parts of speech
Word usage

Arithmetic

Place value of whole numbers and decimals
Maintaining skills in fundamental operations
Story problems/Problem-solving strategies
Roman numerals
Rounding off
English and metric measures
Converting measures within the same system and solving measurement equations
Adding, subtracting, and multiplying measures

Prime factoring
Fundamental operations involving fractions and decimals
Estimation
Ratios and proportion
Percent
Probability
Graphs and scale drawing/
Introduction to statistics
Basic geometric shapes
Perimeter, area, and circumference
Bisecting angles
Reading thermometers

Converting Celsius to Fahrenheit and Fahrenheit to Celsius
Equation solving/Introduction to basic algebra
Latitude, longitude, and time zones
Banking, finding interest, and installment buying
Reading electric and gas meters

History and Geography

Advanced map studies
Geography facts, including the 50 states
Eight documents reviewed
North America: Canada, United States, Mexico and Central America

South America: Continent of Natural Resources, Nations of South America
United States History: The Colonial Heritage, New World's First Republic, U.S. in the Twentieth Century

Science**Plants**

Plentiful Plants

Animals

Observing Invertebrates

Earth and Space

Our Fascinating Earth
God's Great Universe
Exploring Space

Chemistry

Matter and Chemistry (atoms, elements, and compounds)

Health**Safety and First Aid**

Safety First
First Steps of First Aid

Growth and Fitness

Your Changing Body
An Active Lifestyle

Anatomy

Endocrine System
Respiratory System
Muscular System
Skeletal System

A Healthy Mind and Body

Your Body's Defenses
Lymphatic System
Your Communication System
Nervous System
Skin
Drugs—Use and Abuse
A Healthy Spirit

Bible

Lessons: Salvation Series, Life of Christ, Parables, Elijah, Elisha, Daniel, Esther, Ezra /Nehemiah (includes memory verses, hymns /choruses, and Bible doctrine)

Music Arts & Crafts

Traditional, patriotic, fun songs

Further development of perspective, introduction to composition, study of accomplished artists

Language Arts

Grammar

Capitalization rules
Punctuation rules
Kinds of sentences and diagramming
Eight parts of speech and their uses
Diagramming eight parts of speech
Sentence structure

Composition

Essay answer
Summaries
Letters
Informative, narrative, and process essays
Character sketch
Writing style
The writing process
Outlines
Book reports
Paragraphs
Research paper
The library

Vocabulary, Spelling, Poetry

Vocabulary lessons
Weekly spelling lessons
Eight poems memorized

Literature

Stories and poems read for enjoyment by authors such as Frost, Dickinson, Kipling, Bunyan, Alcott, Luther, Dickens, Defoe

Mathematics

Basic Mathematics

Maintaining skills in fundamental operations (see grades 4–6)
Fractions and decimals
Factoring
Problem-solving strategies
Factorial
Ratio and proportion
Application of percent
Personal finances
Metric system

Probability
Basic geometric concepts
Development and use of formulas
Reading and constructing graphs
Introduction to statistics
Introduction to algebra
Negative numbers
Powers and roots
Time zones, latitude, and longitude

Introduction to plane and solid geometry
Pythagorean rule
Sine, cosine, tangent

World History and Geography

The Beginning
From Sumer to Canaan
Down to Egypt
Israel and Its Land
According to His Will
Greece: A Drama in Two Acts
Rome before Christ
Rome after Christ
Early Church History
Islam versus Christendom
From Empire to Feudalism

An Age of Darkness
The Protestant Reformation
Post-Reformation Europe
The English Nation
An Age of Exploration
The United States
France in the Modern Age
The British Empire
Science & Industry in the Modern Age
The New World of Classics
World War I and the Rise of Communism

Before and During World War II
The Cold War Era
Toward a New Millennium
Change in the New Millennium
Eastern Hemisphere Geography
Parliamentary Procedure
Current events

Life Science and Health

Invitation to Science
Plants: Provision for Life
Your Wonderful Body
A Healthy Life

Creation & Science
Mammals
Birds
Fish, Reptiles, and Amphibians
Insects

Assorted Invertebrates
Through the Microscope
Forestry: Generous Giants
Ecology: Harmony in God's Creation

Bible

Lessons/Map Journeys: Exodus, Life of Christ
(includes memory verses and hymns)

Language Arts

Grammar

Capitalization rules
Punctuation rules
Kinds of sentences and diagraming
Eight parts of speech and their uses
Diagraming eight parts of speech
Sentence structure

Composition

Manuscript form
The writing process

The library
Outlining
Summaries
Book reports
Paragraphs
Descriptions
Research paper
Writing style

Vocabulary, Spelling, Poetry

Vocabulary lessons
Weekly spelling lessons
Nine poems memorized

Literature

Reading for enjoyment stories and poems by such authors as Twain, Whittier, Longfellow, Frost, Hawthorne, Sandburg

Mathematics*

Pre-Algebra

Maintaining skills in fundamental operations (see grades 4–7)
Principles of mathematics
English and metric measures
Basic algebraic concepts
Signed numbers
Powers and roots
Like and unlike terms
Multiplying and dividing monomials
Multiplying and dividing polynomials by monomials

Multiplying polynomials by polynomials
Problem-solving strategies
Word problems solved algebraically
Reading and constructing graphs
Graphical scale drawings
Statistics and probability
Business math
Earning income
Banking
Stocks and bonds
Insurance
Basic plane and solid geometric concepts

Properties of geometric figures
Constructing geometric figures
Perimeter, area, surface area, and volume
Pythagorean rule
Sine, cosine, and tangent
Scientific notation

U.S. History and Geography

A New World to Explore
The First English Colonies
Founding of the New Colonies
Life in Colonial America
Preparation for Independence
Home of the Brave
Land of the Free
From the Appalachians to the Rockies
The Jacksonian Era
Innovations and Inventions
The Second Great Awakening

Education and Culture
The Promise of the West
The Civil War and Reconstruction
The Age of Industry
The Gilded Age
Growing into Greatness
Into the Twentieth Century
The Rise of Big Government
A World at War
Time for Freedom and Responsibility
Troubled Times for America
Which Way, America?

In Defense of Freedom
Constitution Study
Western Hemisphere Geography
Current events
National, State, and Local Government

Earth and Space Science

Introduction to Science
Foundations of Geology
Minerals and Rocks
Weathering and Erosion

Interpreting the Fossil Record
A Survey of the Seas
The Atmosphere

Water Vapor and Air Masses
Storms and Forecasting
Consider the Heavens
Man and the Universe
Environmental Science

Sex Education from the Bible

Morality
Dating and marriage
Sins such as adultery, fornication, and homosexuality

Bible

Lessons/ Map Journeys: Journeys of Paul, Joshua, Judges (includes memory verses and hymns)

*Mathematics courses can be taken in a different sequence to meet your scheduling needs.

Language Arts

Grammar

Capitalization rules
Punctuation rules
Kinds of sentences and diagraming
Eight parts of speech and their uses
Diagraming eight parts of speech
Sentence structure

Composition

Manuscript form
Writing process
The library
Paragraphs
Outlining

Book reports
Summaries
Descriptions
Research paper
Writing letters
Improving writing style

Vocabulary, Spelling, Poetry

Vocabulary lessons
Weekly spelling lessons
Ten poems memorized

Literature

Classics on the following themes:
truth and wisdom, courage,
humility, justice, temperance,
beauty, joy and peace, faith and
hope, love, and time and eternity

Reading for enjoyment stories and poems by such authors as Hale, Tolstoy, O. Henry, Hawthorne, Alcott, à Kempis, Longfellow, Shakespeare

Mathematics*

Algebra I

Real Numbers and Algebra
Linear Equations in One Variable
Linear Equations in Two Variables
Linear Inequalities
Systems of Equations

Polynomial Arithmetic
Polynomial Factoring
Radical Expressions and Equations
Quadratic Equations
Statistics and Probability

Rational Expressions and Equations
Functions

World Geography

World Geography

Introduction to Geography
Asia: The Middle East, Central and Southern Asia, The Far East
Africa: Northern Africa, Tropical Africa, Southern Africa
Europe: Mediterranean Europe, Central Europe, the Low

Countries, the British Isles, Scandinavia, Russia and Eastern Europe
Australia, the Pacific Islands, and Antarctica
North America: Canada, the United States, Mexico and Middle America

South America: Andean Countries, Brazil and the Guianas, Southern Countries
Current events

Physical Science

Introduction to Physical Science

Matter and Energy

Measuring Matter
States of Matter
Energy
Heat

Chemistry

Foundations of Chemistry
Molecules and Chemistry
Chemistry in Action
Science vs. Evolution

Motion and Waves

Motion and Forces
Waves and Sound
Light and Color

Electricity and Magnetism

Electrostatics
Magnetism
Electricity
Electronics

Health

Nutrition and exercise
Personal hygiene
Body systems
Mental health

Personal safety
First aid
Disease prevention
Drug abuse

Right relationships
Spiritual growth

Bible

Study series: Kings of Israel: United Kingdom, Israel's Divided Kingdom (includes memory verses and hymns)

Language Arts**Grammar**

Capitalization and punctuation rules, kinds of sentences and diagramming, eight parts of speech and their uses, diagramming eight parts of speech, sentence structure, dictionary skills, usage and diction

Composition

Paragraphs, the library and research paper, outlining, improving writing style, book reviews, descriptions

Vocabulary, Spelling, Poetry

Vocabulary lessons
Weekly spelling lessons
Ten poems memorized

World Literature

Classics by such authors as Dickens, Browning, Millay, Holmes, Poe, Doyle, Yeats, Tolstoy, Herbert
Introduction to art appreciation
Introduction to literary terms and forms: short story; narrative poetry; plot; imagery and figurative language; theme; rhyme and

rhythm; emotion; fixed form, continuous form, and free verse poetry; paradox; setting; point of view; tone

Major works in historical order
Authors such as Homer, Aesop, Virgil, Foxe, Luther, Milton, Bunyan, Newton, Machen
Complete novel: *Silas Marner*
Complete play: *Julius Caesar*

Mathematics***Algebra II**

Basic Algebra
Equations and Inequalities
Polynomial Equations and Inequalities
Functions

Systems of Equations and Inequalities
Matrices
Exponential and Logarithmic Functions
Triangles and Basic Trigonometry

Trigonometry and the Cartesian Plane
Sequences, Series, and Counting
Probability
Statistics

Consumer Mathematics**

Buying a car, travel, income, budgeting, housing, food, clothing, leisure activities,

federal taxes and records, banking investments, the small business

World History and Cultures**Asia and Africa: The Beginnings of Civilization**

Foundations
Sumer
Middle East
Other Asian Cultures
Egypt
Other African Cultures

Europe: Beginnings of Western Civilization

Greece
Rome
Early Church History
The Byzantine Empire

The Middle Ages: From the Ancient to the Modern

The Dark Ages
Medieval Culture
The Rise of Modern Nations

The Reformation Era

The Protestant Reformation
Post-Reformation Europe
Post-Reformation Science and Culture

The Age of Ideas

France
England and America
The Age of Industry
The Victorian Era

Unbelief and Revolution in 19th Century Europe

The Twentieth Century

World War I
Rise of Communism
20th-Century Liberalism
World War II
The Cold War Era
The Rise of Globalism
Current events

Biology**Botany**

Flowering Seed Plants
Structure and Function of Leaves
Flowers, Fruits, and Seeds
Stems and Roots
Variety in Plant World

Human Anatomy and Physiology

Fearfully and Wonderfully Made
Bones and Muscles
Nervous System
Nutrition and Digestion
Circulation and Respiration
Integumentary, Excretory, Endocrine, and Reproductive Systems
Disease and the Body's Immune System

Life Sciences

Natural History and Scientific Investigation
Evolution: A Retreat from Science
Introduction to Ecology

Zoology

Mammals
Birds
Reptiles and Amphibians
Fish
Arthropods
Variety in the World of Invertebrates

Cellular and Molecular Biology

Cytology
Heredity
DNA
Laboratory work: dissections, microscopy, field studies, nutrition, cellular biology, genetics
Laboratory Studies

Keyboarding**

Basic Key Introduction
Special Symbols and Numbers
Introduction to Business Documents

Business Letters with Special Features
Letter Styles and Unbound Reports

Professional Tables
Document Formatting

Bible

Study series: Bible Doctrines
(includes memory verses and hymns)

*Mathematics courses can be taken in a different sequence to meet your scheduling needs.

**Electives can be taken in different grade-level sequences based on your scheduling needs.

Language Arts**Grammar**

Review of grammar, the sentence, and mechanics
Dictionary skills
Diction and usage
Library skills

Composition

Writing process, paragraphs, book reviews, outline, character sketch and analysis, essays, paraphrases, summary, research paper, exposition, classification, extended definition, letter and résumé

Vocabulary, Spelling, Poetry

Vocabulary lessons
Weekly spelling lessons
Nine poems memorized

American Literature

Highlights of American literature
Short story
The first books, poets, historians, personal narrators
Introduction to American art
Writers and works of the nineteenth and twentieth centuries
Authors such as Melville, Longfellow, Whittier, Dickinson, Sandburg, Frost, Bryant

Selections from *Moby Dick*, *Ben-Hur*, *Song of Hiawatha*, *Courtship of Miles Standish*
Complete novel: *The Scarlet Letter*

Mathematics***Plane Geometry (traditional approach)**

Formal arrangement of a proof
Rectilinear figures
Circle

Proportions
Similar polygons
Surface polygons
Regular polygons and circles

Solutions of right triangles by means of ratios

Business Mathematics**

Personal finances
Bookkeeping and accounting
Business formulas
Metric-English conversions

Investments
Taxes
Banking
The small business

U.S. History

Discovery and Exploration
The Thirteen Original Colonies
Life in Colonial America
Preparation for Independence
Conflict with England
The War for Independence
The Critical Period and the Constitution
The Federalist Era
The Age of Jefferson
The Nationalist Era
The Age of Jackson
Revival and Missions

Education and Technology
Expansion to the Pacific
Slavery and Secession
The Civil War
Reconstruction
A Nation on the Move
The Triumph of Free Enterprise
Life in the Gilded Age
Politics in the Age of Industry
Expanding World Influence
The Progressive Era
World War I

The Twenties
Depression and the New Deal
World War II
Years of Strength and Stability
Troubled Times
The Reagan Era and the 1990s
America Enters the New Millennium
2000–Present
Current events

Chemistry

Chemistry: An Introduction
Matter: The Substance of Chemistry
Stoichiometry: Elements and Compounds
Stoichiometry: Chemical Reactions
Gases
Chemical Thermodynamics

Light, Electrons, and Atomic Structure
The Periodic Table
The Chemical Bond and Intermolecular Forces
Selected Nonmetals and Their Compounds
Selected Metals and Semimetals
Solutions and Colloids
Chemical Kinetics

Chemical Equilibrium
Acids, Bases, and Salts
Oxidation-Reduction Reactions and Electrochemistry
Nuclear Chemistry
Organic Chemistry
Laboratory studies

Spanish 1 or French 1**

Pronunciation
Word formation
Verse memorization as a witnessing tool
Grammar

Vocabulary

School, clothes, family, home, food, creation, vacation

Application

Conversation, reading, interview, report, letter, oral translation

Document Processing**

Employment Documents
MLA Style Reports
The Itinerary and Agenda

Letter with Tables
Business Document Production

Bible

Study series: Life Management, Jesus and His Followers (Gospels) (includes memory verses and hymns)

Language Arts**Grammar**

Review of grammar, the sentence, and mechanics
Dictionary skills
Diction and usage
Research skills

Composition

Paragraph, theme, outline, narrative, poetry, extended definition, essay, description, character sketch,

vocation project, book reviews, and extemporaneous writing

Vocabulary

Vocabulary lessons

English Literature

Writers and works from the following periods: Anglo-Saxon, Medieval, Elizabethan, and Puritan

Selections from *Beowulf*, *Canterbury Tales*, and *Paradise Lost*

Writers and works from the Eighteenth Century, Romantic Period, Victorian Age, and Twentieth Century
Authors such as Wordsworth, Scott, Coleridge, Burns, Tennyson
Condensed novel: *Robinson Crusoe* (includes conversion experience)
Complete play: *Macbeth*
Complete novel: *The Pilgrim's Progress*
Ten poems memorized

Mathematics***Precalculus with Trigonometry and Analytical Geometry**

Trigonometry applied to right triangles
Angles on the cartesian plane
Trigonometric functions of any angle
Graphing the trigonometric functions
Trigonometric identities and formulas

Trigonometric equations and inverse trigonometric functions
Solving oblique triangles
Complex numbers and De Moivre's Theorem
Intercepts, symmetry, and domain
Point of intersection of graphs
Parametric equations
Distance, slope, and the straight line
The conic sections

Planes and surfaces in three dimensions
Polar coordinates
Equations representing empirical data
The first derivative
Acceleration and the second derivative
Application of the first and second derivative
The integral (anti-derivative)

Government**Foundations of the American republic**

America: a unique nation
Government under God
The shaping of the American republic

Our constitutional republic

The Constitution
The legislative branch: Congress
The executive branch: the presidency and the bureaucracy
The judicial branch: the federal courts
The Bill of Rights

Our federal republic

Federalism
State government
Local government
American citizen in action
Current events

Economics

Everybody's economics
Economists and economic laws
Factors of production
Laws of supply and demand
Productive market economy
Good that competition does

Efficiency of production
Why everybody needs to save
What money is good for
Government and the economy
Successes and difficulties in the market economy

Promise and performance in the market economy
A look at the global economy
A cheerful view of our economic future

Physics**Introduction to physics****Material substances**

Matter, liquid, gaseous, solid

Mechanics

Introduction to motion, vectors and projectile motion, forces in nature, concurrent forces, circular and periodic motion, work and machines, energy and momentum, rotary motion

Thermodynamics

Heat, laws of thermodynamics

Wave phenomena

Waves, sound, nature of light, reflection of light, refraction of light, wave optics

Electricity and magnetism

Electrostatics, magnetism, current generation, electric circuits, electrical devices

Modern Physics

Advanced physics concepts, theories of relativity laboratory studies

Speech****Everyday speech**

The place of speech in society
Everyday conversation
Special types of conversation
Group discussion
Parliamentary procedure

Interpretation

Talking with the body
Interpreting monologues
Reading with meaning
Our American pronunciation
Listening

Interpreting declamations and poetry
Storytelling
Extemporaneous devotionals

Family/Consumer Sciences****Introduction**

Kitchen and food safety
Basic techniques and equipment

Healthy habits

Nutrition
Consumer education

Breakfast

Milk and beverages
Eggs

Grains, breads, and food preparation

Serving

Table setting, meal service, and etiquette
Successful entertaining

Lunch

Adding flavor
Produce
Lunch time favorites

Dinner

Meat, poultry, and fish
Appetizers and desserts

Laboratory Work:

Cookies, nutrition, breakfast, muffins, yeast bread, pasta, cheese sauce, vegetables, salad, lunch, supper, pudding, cake reception, pie crust, dinner party

Spanish 2 or French 2**

Grammar
Conversations
Cultural readings

Stories from the life of Christ (a witnessing tool)
Vocabulary

Composition
Interviews

Bible

Study series: Genesis—First Things, Revelation and Church History (includes memory verses and hymns)

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**Electives can be taken in different grade-level sequences based on your scheduling needs.

