

NHHG 2018 – 2019 CLASS DESCRIPTIONS

ALL COURSE INFORMATION IS SUBJECT TO CHANGE

SCIENCE

ASTRONOMY

GRADES 5 - 8

Curriculum:	Exploring Creation with Astronomy Textbook (2 nd Edition)	ISBN: 9781940110585
	Exploring Creation with Astronomy Notebooking Journal (2 nd Edition)	ISBN: 9781940110752
	OR	OR
	Junior Notebooking Journal (2 nd Edition)	ISBN: 9781940110738

Explore the farthest reaches of God's creation! This class will use hands-on activities to introduce students to the wonders of our solar system, the stars, and beyond. Our tour of the universe begins with our sun, the planets, the asteroid belt, dwarf planets, and the Kuiper belt. Then we set off across the stars to explore galaxies, nebulae, and even black holes as they reveal the marvel and might of the Creator.

A \$5 fee for experiment materials will be due by Aug. 28.

BIOLOGY

GRADES 9 – 12

Curriculum:	Exploring Creation with Biology Textbook (2 nd Edition)	ISBN: 9781932012545
	Exploring Creation with Biology Solutions and Test Booklet (2 nd Edition)	ISBN: 9781932012552
	Exploring Creation with Biology Student Notebook (2 nd Edition)	ISBN: 9781940110127

This course is designed to provide a detailed introduction to the methods and concepts of general biology. Heavily emphasizing the vocabulary of biology, it provides the student with a strong background in the scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. It also provides a complete survey of the five kingdoms in Creation. Please note that this course does not contain a discussion of human anatomy and physiology.

A \$7 fee for dissection materials will be due by Aug. 28.

MARINE BIOLOGY

GRADES 10 - 12

Curriculum	Exploring Creation with Marine Biology (1 st Edition)	ISBN: 9781932012583
and	Exploring Creation w/ Marine Biology Solutions and Test Booklet (1 st Ed.)	ISBN: 9781932012590
Materials:	TOPS Focus Notes top-wire notebook for lab notes (Cornell-style note-taking system) - These are available in office supply stores or online from numerous suppliers. A 3-ring binder, set of 5 dividers, filler paper	

Prerequisite: Biology is recommended

This exciting course will introduce students to oceans, marine invertebrates, marine vertebrates, marine ecology, the intertidal zone, estuary communities, coral reefs, continental shelf communities, the epipelagic zone, the deep ocean, ocean resources, and the effects of humans on the sea. Class time will include lectures, discussions, vocabulary drills, and occasional experiments and dissections. Students will be expected to conduct and take notes on some simple experiments at home.

A \$23 fee for dissection materials will be due by Aug. 28.

CHEMISTRY

GRADES 10 - 12

Curriculum:	Exploring Creation with Chemistry (2 nd Edition)	ISBN: 9781932012262
	Exploring Creation with Chemistry Solutions and Test Booklet (2 nd Ed.)	ISBN: 9781932012279

Prerequisite: Algebra 1 is recommended

This high school Chemistry course provides a foundation to prepare for college level Chemistry classes. Topics covered will include: significant figures, units, classification, the mole concept, stoichiometry, thermochemistry,

thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, gas laws, and equilibrium. Experiments will reinforce what is being learned.

SOCIAL STUDIES

AMERICAN HISTORY

GRADES 5 - 8

Curriculum:	The Light and the Glory for Young Readers	ISBN: 9780800733735
	From Sea to Shining Sea for Young Readers	ISBN: 9780800733742
	Sounding Forth the Trumpet for Young Readers	ISBN: 9780800733759

The *Discovering God's Plan for America* series brings history alive for young readers ages 9-12. Showing God as an active presence in the creation and development of America, the books engage students with amazing stories of the events and people that shaped our country. Book one begins with the discovery of the New World and covers the first settlements, the War for Independence, and the building of a new nation. Book two covers the struggles over slavery, the Great Awakening, and western expansion. In book three, students will touch upon the continuing debates over slavery, war with Mexico, the Gold Rush, the Underground Railroad and more. The series ends in the year 1860 as Abraham Lincoln ascends to the Presidency.

PA HISTORY (FALL SEMESTER)

GRADES 7 - 10

Curriculum:	Our Pennsylvania Heritage; Penns Valley Publishers	ISBN: 9780931992445
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As noted by the author, "Most Pennsylvanians want to be proud of their state. To be truly proud one must appreciate and understand the subject of his affection." Beginning with the geography and economy of our great state, this course traces the history of Pennsylvania beginning with its Indian inhabitants, through European exploration, settlement, colonial life, industrialization, the Civil War, and the 20th century. To end the semester, Pennsylvania government and citizenship will be discussed.

GEOGRAPHY (SPRING SEMESTER)

GRADES 7 - 10

Curriculum:	World Geography Student Book (Power Basics); Walch Education	ISBN: 9780825156700
	World Geography Test Pack (Power Basics); Walch Education	ISBN: 9780825157622

Explore why Geography has been called the "mother of all sciences"! Beginning with a study of maps, we will branch out into each of the seven continents, learning not only about the land but also about the people who inhabit that land. Class time will consist of review of homework and supplemental material to enhance location, language and cultural knowledge.

WORLD HISTORY

GRADES 9 – 12

Curriculum:	Great Courses High School Level World History: The Fertile Crescent to the American Revolution (DVD and Guidebook come together if ordering from Great Courses) * If you already have the DVD set but not the guidebook, you can obtain one by on Amazon or Ebay. There is no ISBN, but it is called <i>The Great Courses Study Workbook for World History</i> .
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Unless this course is on sale on The Great Courses website, it is cost prohibitive. We suggest searching for a used copy and ordering just the workbook from The Great Courses. If no used copy can be found, we will do our best to work out a sharing system with another family.

In thirty lessons we will study and discuss main events that shaped our world from ancient times to the 18th century. Class time will be packed with interactive learning using maps, discoveries, and information that will enhance student participation. Supplementary studies will consist of geography and maps, how biblical events fit into historic time periods, and the impact of Christianity in world history. Homework will include listening to 20-minute lectures by Professor Linwood C. Thompson. To get the most from these lectures, the work at home will also include note taking and answering comprehensive questions from the lecture. The goal is to have each student gain and retain knowledge of major events in world history. Understanding history is to understand why we are here and what we can do to make the world a better place.

ECONOMICS (FALL SEMESTER)

GRADES 11 – 12

Curriculum: **Exploring Economics**; Notgrass *Copies are available for loan. ISBN: 9781933410975
The Armchair Economist: Economics and Everyday Life; Steven E. Landsburg ISBN: 9781451651737
* Please get the paperback version. Used copies are available for approx.
\$8 on Amazon.

Come study a science that each of us has been actively involved in since the moment we made our first choice! Economics is not something that can be avoided, only ignored. As we begin to understand basic principles that are at work around us and find a way to live in cooperation with them, we will become more capable of living in a way that honors God, better ourselves, and serves the common good. Though not every economic principle may seem relevant, we'll learn how they affect everyday life and will focus on what is most useful. Course material will be from a Biblical, free-market perspective and will touch upon such topics as markets, money, trade, labor, government intervention, redistribution, and the consequences of bad economic policy.

CIVICS (SPRING SEMESTER)

GRADES 11 – 12

Curriculum: Exploring Government Student Text (2016 Updated Edition) ISBN: 9781609991005
Exploring Government Student Review Pack (2016 Updated Edition) ISBN: 9781609990992

This one-semester course covers the government of the United States from its beginning to the present with a special emphasis on the Biblical pattern for government and the U.S. Constitution. Students will learn about federal, state, and local government and become better equipped to understand our country's government as they learn about contemporary issues facing our nation today.

PSYCHOLOGY

GRADES 11 - 12

Curriculum: Myers' Psychology for AP, 2nd Edition ISBN: 9781464113079
Sonlight Psychology Level 690 Workbook/Diary *
***We will place a group order for the Workbook/Diary before classes begin, as the price drops dramatically with a group order. Reimbursement for the book must be made prior to the first day of class.**

Psychology can be described as the art of understanding how people work. This rigorous course presents psychology as a means to appreciate God's greater purposes through the study of the human brain and human behavior. The textbook includes solid facts, terms, and history, features fascinating real-world applications, and even includes a sprinkling of humorous cartoons. The workbook is designed to prepare students to stand firm in their faith in a college/world environment where it is challenged every day. Together, they provide a sound understanding of ourselves, those around us, and the world we live in.

ENGLISH

M.S. IEW ENGLISH 1

GRADES 5 – 8

Curriculum: IEW Student Writing Intensive Level B Student Materials ISBN: 9781623410810
Fix It! Grammar Student Book 2 – Robin Hood ISBN: 9781623411435
Recommended: Teacher's Manual for Fix It! Grammar Book 2 ISBN: 9781623411794
Parents are encouraged to purchase this book to better assist their children with homework.

This class is for students new to the Institute for Excellence in Writing program, or the student who needs to strengthen foundational skills of writing.

IEW takes the "scary" and the "difficult" out of the art of writing. Student Writing Intensive Level B uses a disciplined approach to teaching writing with style and structure that will prepare students to think clearly and express themselves eloquently and persuasively. Additionally, grammar is embedded in the IEW curriculum, as well as through Fix It! Grammar Book 2 – Robin Hood in which students edit a literary piece throughout the year.

M.S. IEW ENGLISH 2**GRADES 7 – 8**

Curriculum:	IEW Student Writing Intensive Continuation Course Level B [Student Packet]	ISBN: 9781623410711
	Fix It! Grammar Student Book 3 – Frog Prince, or Just Deserts	ISBN: 9781623411756
	Recommended: Teacher’s Manual for Fix It! Grammar Book 3	ISBN: 9781623411725
	Parents are encouraged to purchase this book to better assist their children with homework.	

This class is for students already familiar with the approach taught by Institute for Excellence in Writing curriculum. Students who are new to the program may feel frustrated in learning the approach, unless they are “quick studies.”

Promoting competence and confidence in the student’s ability to express himself on paper, this challenging course will cover both grammar and composition. Grammar is not only embedded in the writing curriculum but will also be addressed using Fix It! Grammar Book 3 – The Frog Prince, in which students edit a quality piece of literature throughout the year. The composition portion of the class will build on prior IEW experience including stylistic techniques, structural models, critical thinking and will provide ample opportunity to mature in written communication through inventive writing, essays, research, and critiques.

HIGH SCHOOL LITERATURE**GRADES 10 - 12**

*** If you are purchasing these books, PLEASE purchase the specific version based on the ISBN number.**

If you already have some of these titles in your library (unabridged versions), you may use those for class.

Book List	Hamlet	ISBN: 9780486272788
	Pride and Prejudice	ISBN: 9780486284736
	Jane Eyre	ISBN: 9781853260209
	The Scarlett Letter	ISBN: 9780486280486
	A Tale of Two Cities	ISBN: 9780486406510
	Adventures of Huckleberry Finn	ISBN: 9780486280615
	The Great Gatsby	ISBN: 9780743273565
	100 Best Loved Poems	ISBN: 9780486285535
	The World’s Greatest Short Stories	ISBN: 9780486447162

In this Literature course, students will read novels, short stories, poems, and plays by widely recognized authors. This will introduce them to literature of varied themes, genres, and eras. They will also be able to identify the elements of literature and learn how to read each genre. Students will demonstrate their learning in writing, class discussion, quizzes, and tests. Vocabulary words from each book will be studied and used in essays.

A \$5 fee for handouts will be due by Aug. 28.

HIGH SCHOOL ENGLISH**GRADES 9 - 12**

Curriculum	Scholastic Guide: Checking Your Grammar	ISBN: 9780590494557
and	Laptop or Notebook with Microsoft Word 2016 (to be brought to class)	
Materials:	A 3-ring binder	

This class will cover basic grammar and punctuation skills. A computer will be needed in class as we learn to use Microsoft Word for citations, to include footnotes and bibliographies. We will use Word’s resume and newsletter templates as well. Students will be expected to complete a double-spaced, typed page weekly. There will also be three larger 6-page papers due for the year. Access to the internet will be required for research.

A \$5 folder fee will be due by Aug. 28.

FOREIGN LANGUAGE

INTRO. TO SPANISH

GRADES 7 - 12

Curriculum The Complete Book of Spanish

ISBN: 9781483826868

Introduction to Spanish will expose students to hundreds of Spanish vocabulary words (roughly 15-20 per week) as well as common Spanish phrases. Students will be expected to memorize an assigned list of vocabulary words every week and will be quizzed on their knowledge of these words. There will be daily homework to help with memorizing the words because we learn language through repetition. Students will be able to construct simple sentences using the vocabulary they learn. After quizzes, the remainder of class time will be spent on games and activities to review all learned vocabulary up to that point so that knowledge is retained.

SPANISH 2

GRADES 10 - 12

Curriculum: BJU Spanish 2, Student Text, Second Edition, Updated Copyright
BJU Spanish 2, Student Activities Manual, Second Edition
BJU Spanish 2 Tests, Second Edition

ISBN: 9781606824917

ISBN: 9781579247492

ISBN: 9781579247515

Prerequisite: Spanish 1

Communicating comfortably at a beginner-intermediate level with Spanish-speaking people is the goal of this course. Focusing on a variety of settings - stores, banks, the airport, hotels, a doctor's office, an auto shop, or on the mission field – this course will concentrate on practical communication. Grammar, pronunciation, writing, listening, verb tenses, and moods are explained through a variety of exercises and Spanish dialogues.

ELECTIVES

MIDDLE SCHOOL ART (FALL SEMESTER)

GRADES 5 - 8

Required materials for September: Sketch book (9x12 or larger); Two canvases or Canvas Boards, 11x14; Set of brushes; Small paint palette; Watercolor set (tubes); Set of plastic paint knives; Acrylic paint (tubes)

Required materials for October: Sketch book; Drawing pencils; Shading sticks; Ruler

Required materials for November: Small box to transport clay; Glue gun and glue sticks; Broken electronics

Required materials for December: Beginner linoleum carving set (\$5.99 at Hobby Lobby); Linoleum carving block 3x4

The Middle School Art Adventure will include several weeks exploring different techniques of paint, several weeks of different types of sculptures, and much more. Weekly drawing challenges will be included as well as some research, with a big project due at the end of the semester.

MIDDLE SCHOOL DRAMA (SPRING SEMESTER)

GRADES 5 - 8

Required materials: n/a

Middle School Drama will explore different types of acting, including improv, comedy, classic drama and various other techniques. Each student will have some lines to memorize. Some research will be required along with participation in writing small skits and/or a play.

MIDDLE SCHOOL MUSIC (FALL SEMESTER)

GRADES 5 - 8

Required materials: TBD

Students will listen to a timeline of music and study different music eras and genres. There will be an introduction to music reading and sight singing as well as songs to perform vocally. There will also be hands on experience with various instruments.

MIDDLE SCHOOL PHOTOGRAPHY (SPRING SEMESTER)**GRADES 5 - 8**

Required materials: TBD

Description coming soon!

INTRODUCTION TO MUSIC THEORY (FALL SEMESTER)**GRADES 9 - 12**Curriculum: Math in Motion: First Steps in Music Theory, 2nd Edition

ISBN: 9780998437354

This course will introduce foundational concepts in music theory and will show how these concepts relate to written pieces of music. Topics to be covered will include the keyboard, staff notation, symbols, notes, rhythm, time signatures, scales, key signatures, transposition, intervals, triads, music analysis using figured bass, and ear training.

MUSIC APPRECIATION (SPRING SEMESTER)**GRADES 9 - 12**

Curriculum: Introduction to Music Appreciation

ISBN: 9781937381080

Free download from digitalcommons.apus.edu

Prerequisite: Music Theory

This course will introduce the elements of musical style—melody, harmony, rhythm, texture, instrumentation, form, and dynamics—and will enable students to use their comprehension of these elements to understand music of various genres as they listen to it. The class will provide an overview of musical styles in the history of Western art music, including musical examples from Antiquity, the Middle Ages, the Renaissance, the Baroque period, the Classical period, the Romantic period, and the twentieth century. The class will conclude by showing how the concepts learned for attentive listening can also be applied to jazz and world music.

HIGH SCHOOL ART**GRADES 9 – 12**

Required materials for September: Sketchbook (9x12 or larger); Two Canvases or Canvas Boards 11x14; Set of brushes; Watercolor set (tubes); Small paint palette; Acrylic paint (tubes); Set of plastic paint knives

Required materials for October: Sketchbook (9x12 or larger); Set of drawing pencils; Shading sticks; Ruler

Required materials for November: Small box to transport clay; Glue gun and glue sticks; Broken electronics

Required materials for December: Beginner linoleum carving set (\$5.99 at Hobby Lobby); Linoleum carving block 3x4

Required materials for January: Acrylic paint (tubes); Brushes, Palette; Watercolor paint (tubes)

Required materials for February: Tacky Glue; X-acto knife; Cutting mat; Self-healing board or cutting board

Required materials for March: Camera or phone that can take pictures; White poster board; Black Sharpie (standard size)

The first semester will be an exploration of techniques including paint, sculpture, and drawing. Some research and homework will be part of the class. The second semester will be a studio art class where each student will discover their own artistic abilities by using themes and materials to create art.

PERSONAL FINANCE**GRADES 9 – 12**

Curriculum: Foundations in Personal Finance Workbook, High School Homeschool Ed. ISBN: 9781936948192

This class, focusing on money management skills for individuals and families, will give students an understanding of finances associated with personal living. The instruction will present skills necessary to handle personal business and finances and includes, but will not be limited to, the following: opening a bank account; balancing a check book; saving and budgeting; the implications of an inheritance; the basics of personal insurance policies; investing and retirement; consumer rights and responsibilities; debt management; and state and federal taxes.

Please note: Though this class will run the full year, the work load is relatively small so only a half credit will be issued for the course.

MATH

PRE-ALGEBRA

GRADES 7 - 12

- Curriculum: Saxon Algebra $\frac{1}{2}$ Homeschool Kit, 3rd Edition (includes text, answer key, and test booklet) ISBN: 9781565774995
- (Optional)** Saxon Algebra $\frac{1}{2}$ Solutions Manual, 3rd Ed. ISBN: 9781565771314
- The answer key in the Homeschool Kit provides only the final answers for all textbook problems. If you would like to have step-by-step solutions, you might consider purchasing this resource.

In this course, students will begin to develop algebraic reasoning and be introduced to geometric concepts. The class will introduce students to new concepts such as pre-algebra, ratios, probability, and statistics and cover topics such as fractions, graphs, decimals, geometric shapes, graphing inequalities, and much more. Previously learned skills are always well reviewed in the Saxon approach.

ALGEBRA 1

GRADES 8 - 12

- Curriculum: Saxon Algebra 1 Homeschool Kit, 3rd Edition (includes text, answer key, and test booklet) ISBN: 9781565771239
- (Optional)** Saxon Algebra 1 Solutions Manual, 3rd Ed. ISBN: 9781565771376
- The answer key in the Homeschool Kit provides only the final answers for all textbook problems. If you would like to have step-by-step solutions, you might consider purchasing this resource.

Students will develop the understanding they need to resolve more complex problems and functions with step-by-step instruction in Algebra 1. Lessons cover signed numbers, exponents, roots, absolute value, equations and inequalities, scientific notations, unit conversions, polynomials, graphs, factoring, quadratic equations, direct and inverse variations, exponential growth, statistics, and probability.

ALGEBRA 2

GRADES 9 – 12

- Curriculum: Saxon Algebra 2 Homeschool Kit, 3rd Edition (includes text, answer key, and test booklet) ISBN: 9781600320163
- (Optional)** Algebra 2 Solutions Manual, 3rd Edition ISBN: 9781565771437
- The answer key in the Homeschool Kit provides only the final answers for all textbook problems. If you would like to have step-by-step solutions, you might consider purchasing this resource.

Students will develop the understanding they need to resolve more complex problems and functions with step-by-step instructions in Algebra 2. Lessons cover geometric functions, negative exponents, quadratic equations, metric conversions, logarithms, and advanced factoring. Ample time is spent developing geometric concepts and writing proof outlines. Real-world problems are included along with applications to other subjects such as physics and chemistry.