

**NEW HORIZONS HOMESCHOOL GROUP
HIGH SCHOOL/MIDDLE SCHOOL CLASS DESCRIPTIONS
2019-2020**

ALL COURSE INFORMATION IS SUBJECT TO CHANGE

SCIENCE			
PHYSICAL SCIENCE	TEACHER: Charlotte Troutman	CREDIT: 1	GRADES: 8-12
Curriculum:	Exploring Creation with Physical Science Textbook (2 nd Edition)	ISBN	193201277X
	Exploring Creation With Physical Science Solutions and Test Booklet (2 nd Ed)	ISBN	1932012788
	Exploring Creation With Physical Science Student Notebook (2 nd Edition)	ISBN	1935495712
Description:			
<p>In this study of Physical Science, you'll be introduced to the stunning world you live in and the universe around it. From the composition of air to icebergs to astrophysics, you will receive thorough lessons in each element of the physical world. Experiments using only household equipment, graphics, illustrations, charts and other visual representation of various concepts help to reinforce concepts. Topics include the atmosphere, hydrosphere, weather, structure of the earth, environmentalism, physics of motion, Newton's laws, and gravity.</p>			
CHEMISTRY	TEACHERS: Bob and Amy Gorinski	CREDIT: 1	GRADES: 10-12
Prerequisite:	Algebra 1 is recommended.		
Curriculum:	Exploring Creation with Chemistry Text (3 rd Edition)	ISBN:	9781940110257
	Exploring Creation with Chemistry Solutions and test booklet (3 rd edition)	ISBN:	9781940110264
	Exploring Creation with Chemistry 3 rd Edition Student Notebook	ISBN:	9781940110417
Description:			
<p>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,</p>			

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

PHYSICS	TEACHER: Lenora Cuccia	CREDIT: 1	GRADES:10-12
Prerequisite:	Algebra 1, Geometry, Chemistry (recommended)		
Curriculum:	Apologia's Exploring Creation with Physics, 2nd Edition Textbook	ISBN:	1932012427
	Apologia's Exploring Creation with Physics, 2nd Edition Solutions/Tests	ISBN:	1932012435
	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) <i>Example:</i> https://www.amazon.com/Tops-FocusNotes-Writing-Cornell-90221/dp/B002HFUM4A		
	3-ring binder, lined filler paper, set of 5 dividers		
<p>Description:This fascinating course will introduce students to motion in one dimension, free fall, two-dimensional vectors, motion in two dimensions, Newton's Laws and their applications, uniform circular motion and gravity, work and energy, momentum, periodic motion, waves, geometric optics, Coulomb's Law and the electric field, electric potential, electric circuits, and magnetism. Class time will include lectures, discussions, quizzes and vocabulary drills, and experiments. Students will be expected to read the textbook and complete the "On Your Own" Problems, Review Questions, and Practice Problems during the week at home. Some experiments will also be conducted at home.</p> <p>Objectives: For the students to gain a solid understanding of terminology, equations, and concepts included in the discipline of physics and to achieve a greater appreciation for the marvelous world God has given us.</p>			
GENERAL SCIENCE	TEACHER: Michelle Bressler	GRADES:	7-8
Curriculum:	Exploring Creation with General Science, 2nd Edition, Textbook	ISBN:	1932012869

	Exploring Creation with General Science, Second Edition, Student Notebook	ISBN:	1935495704
	Exploring Creation with General Science, 2nd Edition, Solutions and Test Manual (with Extra Test Booklet)	ISBN:	1932012877

General Science Description:

“Designed to be a student's first systematic introduction to the sciences, *Exploring Creation with General Science, 2nd Ed.* explores topics such as the scientific method, designing experiments, simple machines, geology, archaeology, biology, anatomy and other disciplines, providing a wide range of scientific exposure. Hands-on experiments are included throughout, giving students practical experience as they discover the principles behind the science! Looking at the world from a creationist position, topics are all presented with an eye towards God's role in everyday life.”(CBD)

MS CHEMISTRY AND PHYSICS	TEACHER: Amy Gorinski	GRADES:	5-8
Curriculum:	Exploring Creation with Chemistry & Physics	ISBN:	1935495984
	Exploring Creation with Chemistry & Physics Notebooking Journal	ISBN:	194011005X
	OR Exploring Creation with Chemistry and Physics Junior Notebooking Journal	ISBN:	1940110068

Description:

“Discover the foundational elements of the universe and the building blocks of creation with Exploring Creation with Chemistry and Physics! Study how the universe functions through this exploration of matter and energy; lessons cover atoms and molecules, pH levels, types of mixtures, mechanics, laws of motion, dynamics of motion, energy, waves, light, machines, magnets, and more. Filled with bright photographs, fun "Try This!" experiments, and integrated narration questions, this Charlotte-Mason inspired guide to physics and chemistry will keep kids interested and engaged. Experiments, notebooking activities, "what do you remember?" narration questions, projects, and experiments help to reinforce concepts.”(CBD)

ENGLISH

HIGH SCHOOL ENGLISH	TEACHER: Lenora Cuccia	CREDIT: 1	GRADES: 9-12
Curriculum:	<i>The Iliad</i> , Homer, translated by Lattimore (Must be this translation)	ISBN:	9780226470498
	<i>The Odyssey</i> , Homer, translated by Lattimore (Must be this translation)	ISBN:	9780061244186
	<i>Julius Caesar</i> , Shakespeare (Edition doesn't matter)	ISBN:	1586176161
	<i>The Red Badge of Courage</i> , Crane, (Edition doesn't matter)	ISBN:	0140367101
	<i>Gateway to the Great Books</i> , Vol. 2, "Imaginative Literature"	ISBN:	B0011564N0
	<i>English from the Roots Up</i> , Lundquist, Vol. 1 either book or flashcards	Book: flashcard:	0964321033 1885942133
	<i>Trivium Table – English Grammar</i> ,	ISBN:	9780982984550
	<i>Trivium Table – Rhetoric</i>	ISBN:	9780985170141
	3-ring binder with 5 dividers; Lined filler paper		
	Poetry Packet – will be provided		

Description:

This course will use short stories and books to review the elements of fiction, the process of literary analysis, and the basics of rhetoric. Students will use the rhetoric skills learned throughout the semester to write about what they have read. In addition to the assigned reading, each student will choose one book per semester (to read on their own from a list provided) on which to prepare a short, oral presentation for the class. Each week's homework will regularly include grammar or rhetoric to learn, a group of vocabulary words all related to the same Greek or Latin root to memorize, a poem to study, some reading to do, and a writing assignment related to the assigned reading or the poem. Students will be expected to come to class on community day having completed the previous week's homework, ready to engage in discussions of the grammar, rhetoric, vocabulary, poetry, and reading. Most class days will begin with a short evaluation: a vocabulary quiz, a grammar/rhetoric quiz, or a timed write.

Objectives:

For the students to increase their vocabulary; to understand and be able to demonstrate or explain the foundations of English grammar, the process of literary analysis, and the use of rhetoric in oral presentations and essays; and to achieve a greater appreciation for the beautiful complexity of God’s gift of language.

HS ELEGANT ESSAYS (FALL)	TEACHER: Kris Stoddard	Credit: ½	GRADES: 9-12
Curriculum:	The Elegant Essay Writing Lessons Student Book (\$29) https://iew.com/shop/products/elegant-essay-student-book-only	ISBN:	978-0-9779860-1-9
	<ul style="list-style-type: none"> • ½ inch or 1 inch binder to keep paper & essay assignments in • highlighter • red, blue, green & black pens • loose-leaf notebook paper • a Gmail account 		
<p>Elegant Essays Description: This course will address the fundamental principles of essay writing, including form or structure, content, style, mechanics, and voice. More specifically, time will be spent on developing thesis statements, providing evidence & support, connecting ideas through transitions, and crafting effective introductions & conclusions. The course will culminate with writing two or three essays which will constitute 50% of the course grade.</p>			
HS SPEECH BOOT CAMP (SPRING)	TEACHER: Kris Stoddard	Credit: ½	GRADES: 9-12
Curriculum:	<ul style="list-style-type: none"> • \$10 lab fee is required for Trainee Materials • One inch binder to store handouts • Loose-leaf notebook paper • A Gmail account 		
<p>Descriptions: This class prepares trainees in basic speech preparation and delivery. Trainees will prepare and deliver four speeches: Self-Introduction, Narrative, Descriptive, and Persuasive. Trainees will also receive instruction in effective speech delivery.</p>			

MS ENGLISH 1	TEACHER: Lisa Spangler	GRADES:	5-8
Curriculum:	IEW Student Writing Intensive Level B Student Materials	ISBN:	1623410819
	Fix It! Grammar Student Book 2 – Robin Hood	ISBN:	1623411432
	Teacher’s Manual for Fix It! Grammar Book 2 <i>(Parents are encouraged to purchase this book to better assist their children with homework.)</i>	ISBN:	1623411793
<p>Description: 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</p>			
MS ENGLISH 2	TEACHER: Kris Stoddard	GRADES:	7-8
Curriculum:	<ul style="list-style-type: none"> • Following Narnia Vol. 1 Student Book (\$29) ISBN: 978-1-62341-238-8 https://iew.com/shop/products/following-narnia-volume-1-lions-song-student-book-only • First 3 novels in Chronicles of Narnia series – The Magician’s Nephew; The Lion, the Witch, & the Wardrobe; The Horse and His Boy • <i>Student Resource Notebook</i> printed out (free download from IEW when you purchase Following Narnia above OR you can order a spiral bound one for \$15) ISBN: 162341041X • One 1 1/2 inch 3-ring binder (for class work & Student Resource Notebook) (If you choose to purchase the spiral-bound copy of the SRN, then you can use a 1 inch binder instead.) • 1 inch 3-ring binder (for the polished work collection) – This will be kept at home. • 1 pkg of page protectors (These can be light-weight & inexpensive, but each student will need 30+.) (Keep at home.) 		

	<ul style="list-style-type: none"> • highlighters, pencils, pens, loose-leaf notebook paper • a Gmail account
Description:	Students will learn how to write with structure and style by using IEW methods and source texts from the first three books in the Chronicles of Narnia series. This course includes grammar, composition, vocabulary, and literature. At the end of the year, each student will have built an illustrated collection of polished compositions about that they can be proud of.

MATH

PRE-ALGEBRA	TEACHER: Chipi San	GRADES:	7-9
Curriculum:	Saxon Algebra ½, 3 rd Ed. Student Book	ISBN:	9781565771499
	Saxon Algebra ½, 3 rd Ed. Answer Key and Test Forms	ISBN:	9781591411727
	(Optional)Saxon Algebra ½, 3 rd Edition Solutions Manual. Includes full answers to problems, not just final answers.	ISBN:	9781565771314

Pre-Algebra Description:
 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 1	TEACHER: Heather Ege	CREDIT: 1	GRADES: 9-12
Curriculum:	Saxon Algebra 1, 3 rd Edition	ISBN	9781565771345
	Saxon Algebra 1 3 rd Edition Test and Answer Key	ISBN	9781565771383
	(Optional) Algebra 1 Solutions Manual, 3 rd Edition The answer provides only the final answers for all textbook problems. If you would like to have step-by-step	ISBN	9781565771376

	solutions, you might consider purchasing this resource.		
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Description:
 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	TEACHER: Heather Ege	1 Credit Algebra; ½ Credit Geometry	GRADES: 9-12
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Prerequisite:	Algebra 1, or pass Saxon placement exam		
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Curriculum:	Saxon Algebra 2, 3 rd Ed. Student Text	ISBN	9781565771406
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	Saxon Algebra 2, 3 rd Edition Tests and Answer Key	ISBN	9781565771383
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	(Optional) Saxon Algebra 2, 3 rd Edition Solutions Manual (Contains complete answers, not just final answers)	ISBN	9781565771437
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Description:
 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. In fact, students completing Algebra 2 will have studied the equivalent of one semester of informal geometry. 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.

MS MATH CONCEPTS	TEACHER: Melissa Kipe	GRADES:	5-8
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Curriculum:	TBD		
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Description:

SOCIAL STUDIES

AMERICAN HISTORY I	TEACHER: Ken Ross	Credit: 1	Grades: 9-12
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Curriculum:	Exploring America Part 1 (Updated Edition); Notgrass	ISBN	9781609990664
	Exploring America Quiz & Exam Pack; Includes Student Review Book, Quiz and Exam Book and Answer Key(Updated Edition); Notgrass	ISBN	9781609990701
<p>This course surveys American history from the first exploration by Europeans through Reconstruction. Students will read narrative-based chapters that cover some of America's most important events, issues, and people. Students will be encouraged throughout this course to not only understand the history of our country, but to appreciate its uniqueness and distinct place in the world. Through class time discussion, students will be given opportunity to voice what they have learned, their interpretation of events, as well as insights they may have.</p>			
WORLD HISTORY I	TEACHER: Jennifer Johnson	Credit: 1	Grades: 9-12
	Exploring World History Part 1 (Updated Edition); Notgrass	ISBN	9781609990619
	Exploring World History Student Review Pack with Quiz, Test, Answer Key and Review Book	ISBN	9781609990657
	In Their Words (Updated Edition)	ISBN	9781609990633
<p>Description: This course is a survey of world history from Creation to the Late Middle Ages. The course discusses civilizations from around the world. A special emphasis is placed on key events, key ideas, key persons, and everyday life in various time periods of world history. The student reads a significant number of original documents and speeches while studying the narrative of lessons. In class we will wrestle with challenging ideas that help us to view our world and its history from a Biblical standpoint.</p>			
MS PA HISTORY (Fall)	TEACHER: Beth Ann Bruno	Grades:	7-8
Curriculum:	Pennsylvania State History Student Booklet, Joy Dean	Item #PASHSB (purchase student booklet only)	https://lampposthomeschool.com/social-studies/state-history/pennsylvania-state-history-christian-

			perspective/#Student Booklet
Description:	<ul style="list-style-type: none"> Your student will study interesting facts, geographical features, history, government, landmarks, and animals of Pennsylvania. The consumable student booklet includes text, maps, color state symbol pictures, 6 quizzes, 2 tests, and an answer key. Using information and pictures from this student booklet, your student will make a project notebook using a 3-ring binder. 		
MS WORLD GEOGRAPHY (Spring)	TEACHER: Beth Ann Bruno	Grades:	7-8
Curriculum:	TBD		
Description:			
MS US HISTORY & GEOGRAPHY	TEACHER: Dorena DellaVecchio	Grades:	5-7
Curriculum:	Abeka The History of Our United States in Christian Perspective, Fourth Edition	ISBN: Can't find the isbn numbers. Look up this exact title including 4 th edition.	
	Abeka The History of Our United States Geography/Maps & Reviews Book		
Description:	This course will cover US History, Geography and PA History, including a lapbook for PA History. There will be short reading from the text each week and review and active learning in class.		
LANGUAGE			
SPANISH 1	TEACHER: Lisa Spangler	Credit:1	Grades: 9-12
Prerequisite:	Intro to Spanish or previous instruction recommended.		
Curriculum:	BJU Press Spanish 1, Student Text, 2nd edition OR Updated 2nd edition	©2004ISBN ©2010ISBN	9781591661672 9781606820612
	BJU Press Spanish 1 Student Activity Manual, 2nd edition	ISBN	9781591661696

	BJU Press Spanish 1 Tests, 2nd edition	ISBN	9781591661719
	Spanish-English Dictionary (any edition)		

Description:
 Students in 9th-12th grade will learn beginning Spanish vocabulary, grammar, spelling, pronunciation, writing and listening skills. A class project will be completed, and cross-cultural information will be included in this course. Topics will include various types of present tense verbs, interrogatives, adjectives and adverbs, demonstratives, pronouns, comparatives and superlatives, reflexives, definite articles, numbers, and time.

ELECTIVES

APPLIED MUSIC	TEACHER: Lenora Cuccia	Credit: 1	5-12
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Materials:
 Each student will need a practice booklet and staff paper. Beyond that, materials will depend on each student’s goals for the class. Students who wish to study an instrument will need to bring the instrument with them. I will give recommendations for instrument lesson books and voice repertoire books after assessing each student’s goals and current level of performance.

Description:
 Each class session will include a ten-minute general music session at the beginning, covering note-reading, rhythm-reading, interval training and sight-singing. After that, the students will focus on their individual lesson materials, and I will go around helping each one in turn. I will find or arrange at least a few pieces per semester in which the whole class can participate, that we can then polish and perform at the beginning or end of Devotions, or at the Co-Op Talent Show. Depending on personnel, we can do some choral pieces, duets, or trios, in addition to individual songs or pieces. Music assignments will be unique to each student and will be written in their practice booklet. Students will be expected to practice their music at home and note time spent into their practice booklet.

Objectives:
 Each student will grow in their knowledge, understanding, and application of music as a result of this class. Each student will improve their abilities in the reading and performance of music, whether as an instrumentalist or vocalist. They will discover in the mathematical beauty of music a reflection of God’s glory.
 (Note: I have a degree in music education, so I have studied and can teach the basics of every instrument and voice.)

LIFE SKILLS	TEACHER: Renee Diethrich	Grades:	6-12
Materials:	Folder		

	1 subject notebook		
<p>Description: In Life Skills we will be learning a variety of useful skills, all in a fun and encouraging environment! Topics may include: working as a team, basic first aid, self-defense techniques, changing a tire, formal table manners, resume writing, interview tips, party planning, banking, fire safety, etc. We will take an interest/ career assessment at the beginning of the class so that speakers can be brought in who work in fields the students are interested in for Q&A times.</p>			
DRAMA	TEACHER: Renee Diethrich	Grades:	5-12
Materials:	Folder 1 subject notebook Lined index cards		
<p>I'm looking forward to teaching the drama class this year! We will begin by learning the foundations of acting for a few weeks. We will then learn many concepts of drama and acting through fun, interactive games that teach movement and space, focus/concentration and listening/reacting. We will also be doing a few short plays/skits as the year progresses.</p>			
YEARBOOK	TEACHER: Chipi San	Grades:	6-12
Materials:	(**See note below) Computer Camera Capture One Adobe Lightroom Adobe Photoshop Entourage Online Layout (used with Chrome) **it would be great if the students had individual access to these supplies, but if not, we can use what I have.		
<p>Description: We will create the yearbook for the 2019-2020 school year. Under supervision and instruction, students will be responsible for taking photos, editing photos, creating layouts, selling and the online creation of our yearbook. We will have lessons in photography, photoshop and layout and will incorporate weekly co-op days, extra curricular activities and special events for the year.</p>			

