High School Descriptions

Algebra I

Fee: $10
Materials: No Nonsense Algebra textbook by Richard Fisher
3 or 5 subject notebook
1-2 graphing notebooks
Expectations: I will be supplementing your algebra program by providing instructions, sample problems and answering questions. Homework is expected to be completed and checked before class. Questions and/or concerns should be recorded as they occur. We will discuss these at the beginning of each class.
Overview: We will be using Richard Fisher's No Nonsense Algebra curriculum. This curriculum provides short, concise, self-contained lessons! Each lesson has a corresponding video recorded by the author, Richard Fisher, explaining each concept. I have found these to be very helpful.
During class we will preview the lessons for the next week, review any questions or concerns from homework and teach new concepts. The first chapter is a review of pre-algebra skills which are necessary for success in this class. Prior to the first day of class, students should complete the first chapter. We will review these skills using the chapter 1 review on the first day of class. Let's have fun with algebra!

Algebra II ($300/year)

This course will build on the foundations learned in Algebra 1 as we look more in depth into factoring, rational expressions and equations, systems of equations, powers, and roots. To be prepared for this class you will need:
Texts
Prentice Hall Mathematics Algebra 2 (ISBN-13: 978-0133659474)
Prentice Hall Mathematics Algebra 2 Solution Key
Supplies
Notebook or binder for taking notes
Folder or insert in binder for handouts
TI-83 Plus or TI-84 Plus graphing calculator
graph paper
pencils
Cost
$300/year or 9 payments of $35/month
Note: TI-83 Plus or TI-84 graphing calculator is pricey but will provide ease of graphing and will be a useful tool for checking work. This calculator is also allowed on the SAT and ACT and will be powerful enough to last most students through college.
If you have questions, feel free to e-mail me at god_warrior627@hotmail.com, subject Algebra 2.

American Literature & Composition

Curriculum: Hewitt Homeschooling Lightning Literature: American Literature & Composition Early-Mid 19th Century and Mid – Late 19th Century (It is suggested that you purchase the entire package for both semesters. This includes student text, required reading books, teacher text/answer keys.)

Supply fee: $20.00

Students are to be prepared for each class by reading the required material, answering discussion questions, understanding the material, completing the required composition and assigned homework.

In the first semester, students will learn how to write an autobiography with that great statesman, Benjamin Franklin, then improve their brainstorming skills after reading Washington Irving. Several poems from William Cullen Bryant teach about rhyme. Frederick Douglass's powerful narrative of his life illustrates persuasive writing. Edgar Allan Poe has much to teach us about tone and mood, and Hawthorne's *The Scarlet Letter* provides many examples of conflict. Then students set sail after Moby-Dick with a ship full of eccentrics and learn about character development. Finally, Henry Wadsworth Longfellow instructs us on meter in poetry.

In the second semester, learn how authors develop a theme in that great anti-slavery novel, *Uncle Tom's Cabin*. Explore Walt Whitman's innovative poetry to see how he uses sound and imagery. We enjoy an early Western with Bret Harte to learn about the use of local color, and who better to teach us about humor than Mark Twain in his *Adventures of Huckleberry Finn*. Students will learn about register through Paul Laurence Dunbar's delightful and moving poetry. Stephen Crane's classic *The Red Badge of Courage* uses powerful description to place us on the battlefield and in a boy's heart. Emily Dickinson teaches us about figurative language with her insightful poems, and finally travel to the frozen north with *The Call of the Wild* to learn about point of view.

During the weekly class, students will interact and discuss with their peers the week's assigned reading. They will also spend time each class learning techniques to write effectively. Grammar and writing helps will be pulled from various sources to help the students. "Grades" will not be given. Feedback on writing assignments, participation and homework completion will be noted through an online classroom.

Art/Art History (MS/HS)

Art/Art History class is designed to provide students with a knowledge base of famous artists, their preferred medium, historical timeframe and short biography. Using Short Lessons in Art History by Phyllis Barker as a reference point the teacher will engage students in a discussion highlighting the chosen artist of the week. Short Lessons in Art History is a fantastic introduction to the artists who have shaped the artistic world from Giotto in 1266 to Alexander Calder in 1976. Each artist's life is explored, along with their major works, public reaction, and impact upon the world and art after their deaths. Once the artist has been discussed, students will begin their individual art projects during class. Students will need to purchase a sketchbook size 8.5 x 11, small pack of Charcoal sticks, small pack of oil pastels, small pack of chalk pastels, basic watercolor paint pallet, drawing pencils, and a small paint brush set. All of these items need not be very high quality or expensive, Walmart brand is just fine for class purposes. Students may also share supplies if they are in the same family with the exception of the sketchbook. Additionally, the teacher will charge a $10 copy fee per student, no book is required.

Biology ($40/lab fee)

Overview: Apologia's Biology course is a Christian-based high school science. Please visit https://www.apologia.com/cms/3/homeschool-high-school-biology for details about the course.
Co-op class time will be spent conducting the experiments included in the textbook and reviewing harder concepts as time allows. Students are expected to do the reading, assigned questions and complete the lab reports at home. Parents are responsible for checking homework, administering tests, and assigning the final grade.
Text & Lab Notebook: Required: *Apologia's Exploring Creation with Biology (2nd edition) by Jay Wile* and *Exploring Creation with Biology Student Notebook* (contains the lab reports). Highly recommended: The Solutions and Test book for this course.
Fees: The class lab fee is $40.00 which will include all specimens and everything the student needs for the experiments including a dissection kit. This fee can be paid at the first class and must be paid by the end of September.
Grades: At the end of the year, a participation grade will be assigned based on how well the students participated in experiments and class discussion. If the parents choose, they may use the participation grade as a percentage of the final grade, but the final grade is assigned by the parents.
Note: Our main focus in class on Fridays will be completing the experiments. For the students to get the most out of this course, they must do the reading and answer assigned questions before class. This class is taught with the

expectation that the material has been covered at home and the students are ready to conduct the experiments during class.
If you have any questions, please contact Alison Wall at danali2001@bellsouth.net.

Chemistry ($180/lab fee)

Text book: Apologia Chemistry, 2nd Edition
By Dr. Jay L. Wile
Published by Apologia Educational Ministries, Inc
Grades: 9 - 12
Pre-Requisite: Algebra I
Minimum Students: 5
Maximum Students: 14
Class Content:

This class will provide a complete honors Chemistry class:

- Guided notes for each lecture
- Experiment set up for at least 14 modules
- Lab notebook

Grading for this class:

This class is an a-la-carte class. The following services are available – contact Mrs. Little for fees:

- Grading of module testing
- Mid term test, Final Test
- Grading of Mid Term
- Tutoring

Valerie Little: vlittlegarden@gmail.com

Geometry ($300/year)

Join us in a study of Geometry and reasoning. We will look at familiar shapes like triangles and circles through the lens of deductive reasoning. To be prepared for this class, you will need:
Texts

Glencoe Mathematics Geometry. 2005.
Glencoe Mathematics Geometry Solutions Manual.

Supplies

Notebook or binder for taking notes
Folder or insert in binder for handouts
TI-83 Plus or TI-84 Plus graphing calculator
graph paper
pencils
colored pencils
ruler
compass (higher quality is better)
Geometer*

Cost

$300/year or 9 payments of $35/month

Note: TI-83 Plus or TI-84 graphing calculator is pricey but will provide ease of graphing and will be a useful tool for checking work. This calculator is also allowed on the SAT and ACT and will be powerful enough to last most students through college.

*The Geometer is a protractor, a ruler, and a tool for easily drawing circles and polygons. It can be acquired on the first day of class through your instructor.
If you have questions, feel free to e-mail me at god_warrior627@hotmail.com, subject Geometry.
I look forward to seeing you!

Logic (informal)

Text book: The Art of Argument, An Introduction to the Informal Fallacies
By Aaron Larsen and Joelle Hodge with Chris Perrin
Published by Classical Academic Press
Fees: $5.00 copying fee
Grades: 9 - 12
Pre-Requisite: None
Minimum Students: 5
Maximum Students: 14
Class Content:

This course identifies 28 of the most important "logical fallacies" with the purpose of learning how to avoid them in decision making and in presenting sound arguments. The course is heavy on text reading with fill in the blank review questions at the end of each chapter. Students will be encouraged to both find and apply current logic fallacies in their daily routines. Classes will focus on review of text/homework and practical application of material covered. The students will be expected to argue the material covered.

Grading for this Class:

A class participation grade will be given for all students. Parents are encouraged to purchase the teacher's edition to grade homework and tests. I will provide a syllabus with assigned reading and homework as well as a test schedule, but I will not provide homework or test grades.

Physical Science ($45/lab fee)

Text book: Exploring Creation with Physical Science, 2nd Edition by Dr. Jay L. Wile / Published by Apologia Educational Ministries, Inc
Exploring Creation with Physical Science Student Notebook is required. (2nd Edition)
Fee: A $45 fee will be required to cover costs associated with the lab experiments
Physical Science Course Covers:

- Measurement and Units so that students can convert between units in scientific study
- The Earth, Atmosphere, Hydrosphere, and Lithosphere so that students can appreciate the wonder of our blue planet
- Weather so that students can understand the factors that affect the Earth's weather and how weather is predicted
- Introduction to Physics to understand the mechanics of motion, forces, and energy
- Our Newton's Laws and the Forces in Creation to understand friction, static and kinetic energy, gravity, electromagnetic forces, and electrical circuits
- Our Solar System, Stars, and Galaxies to introduce the wonders of our universe
- An Introduction to Chemistry for a basic introduction to atoms and molecules

Class Content:
This class will emphasize the lab procedures and review of each chapter's key concepts. A syllabus will be provided to guide the students through the chapters at home and will include reading, "On Your Own" questions, and Study Guide questions. The class time will include a short overview of the reading assignments, conducting the experiments, and, if time permits, reviewing the "On Your Own" and study guide questions assigned. Tests will be provided to be taken/graded at home.
Grading for this class:
No grades will be given for this class. Parents will be responsible for all tests, homework grades and the final grade.

Physics

Explore the world using science. This course will allow students to explore kinematics, dynamics, momentum, waves, electricity, magnetism and other key topics. This is an upper high school science class which use mathematics as the language of physics. The class will include hands-on and virtual labs throughout the year. It is essential that students complete the homework/reading each week before coming to class. If students are not prepared, they will be asked to go to study hall. They may come back to class the next week once they have properly prepared for class.

Mandatory Prerequisite: Students must successfully complete a math test before the first day of class. It is essential that students be confident in math and understand basic trigonometry/algebra. Please contact the teacher to schedule the math test before co-op begins.
Projects **Students must participate in 2 projects, one each semester**. First semester, students may participate in the co-op science fair. Second semester, students may compete in a science writing competition or write a five-page paper on a major event in the history of physics.

Supplies:

- Textbook: College Physics by OpenStax-- https://openstax.org/details/college-physics
- Class notebook: You will need a 3-ring binder to use as your class notebook. The notebook will be used for your study notes, class notes, vocabulary, section questions, graphic organizers, etc. I suggest at least at least a 1" 3-ring binder. It is easier to add folders, handouts, etc. to keep everything organized.
- Lab notebook: You will need a bound lab notebook. You will need a separate lab notebook to record your experimental data, summaries, lab reports, etc. This will be periodically turned in to me for grading throughout the year. Field scientist generally use notebooks that are already bound such as composition books, thus 3-ring binders are not appropriate for a lab notebook. I will be happy to discuss why these notebooks are strongly encouraged. If this is a problem for you to obtain, please let me know.
- Lab fee: $60/year

Grading fee (**optional**): If you would like for me to provide/grade tests for your student, provide a midterm and final in addition to grading the lab notebook throughout the year, the fee is $160.
If you have any questions or want to take the math prerequisite test, feel free to email me, lovinphysics@hotmail.com

Psychology

No description at this time

Spanish 1

Spanish 1 is for 9-12th graders who need a foreign language for high school credit. There will be at least 3 days of homework each week. The class consists of mostly grammar and vocabulary lessons with some conversation using Abeka curriculum. It covers both present and past tenses, and includes adjectives, articles, conjunctions, adverbs, object pronouns and other basic grammar. New concepts will be introduced in small doses, building upon what has already been learned.

Cost: High School classes: $390 per student for the year (easy payments available; sibling discount available). Students will purchase their own books. A detailed list of class materials will be on the yahoo group class file.

Spanish 2

Spanish 2 is open to those completing Spanish 1, or for those who can pass the review test if student has not previously enrolled in Spanish 1 using Abeka curriculum. There will be at least 3 days of homework each week. Spanish 2 continues to add more verb tenses and helps the student build more complex sentence structures to their Spanish abilities. Speaking, hearing, reading and writing in Spanish are encouraged throughout the year.

Cost: High School classes: $390 per student for the year (easy payments available; sibling discount available). Students will purchase their own books. A detailed list of class materials will be on the yahoo group class file.