



Class Descriptions 2014-2015

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Centreville Home School Enrichment Support Services

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English and Literature

American Literature – Honors Option

Grades 10-12 (younger students with teacher's permission) | Instructor: John Jenkins | Class meets 33 times

American Literature is not only an essential element in being prepared for the rigors of high school and college thinking, but in obtaining a critical insight to the importance of classic literature in our lives both as students and adults. Drawing from Norton Anthology of American Literature and Stobaugh's American Literature: Encouraging Thoughtful Christians To Be World Changers, this class will explore a broad range of genres, including forays into plays and poetry, in each of the major literary periods that frame the authors lives, their times, and their themes as related to the growth and development of our nation through five time periods: prior to 1820, 1820-1865, 1865-1914, 1914-1945, and 1945 to present. In this class, students will learn 1) the historical context of American Literature from the founding of our nations to the 20th century, 2) the themes and worldviews of the authors, 3) the fundamentals of literary analysis (including literary devices) and apply their knowledge through class discussions and presentations, short and long answers. This class can be taken as an honor's class with additional reading, research and writing required.

English 8

Grade 8 | Instructor: Laura Ottaviano | Class meets 33 times

English 8 will provide strong emphases on grammar. The course will also include regular exercises to increase vocabulary and to advance spelling skills. We will read several age-appropriate classic novels throughout the course with an emphasis on comprehension and literary appreciation. Students will be asked to read and research several topics and will practice writing short analyses with clear paragraph composition and correct form. If time permits, we will include short oral presentations and several review games in class.

English 9

Grade 9 | Instructor: Laura Ottaviano | Class meets 33 times

This first level high-school English course will emphasize strong vocabulary development, reading comprehension and writing. The course will continue to build on more advanced grammar concepts as well. We will cover several novels throughout the course and review essay writing skills for several essay formats. Students will be assigned essay-style reports that review the literature they read.

English 10

Grade 10 | Instructor: Laura Ottaviano | Class meets 33 times

This mid-level high school English class will include a strong emphasis on vocabulary development, writing and reading comprehension of well-written literature. We will review proper research paper skills including both topic selection and structure and content. Students will be expected to research authors and present their material in clear written form as well as an oral presentation. We will read and analyze 3-4 novels during the course of study, and practice analytical writing.

Intro to Literature: Read it, Write it!

Grades 7-9 | Instructor: John Jenkins | Class meets 33 times

Intro to Literature helps develop critical reading skills in your Junior High student through this unique Read it, Write it! Literature class. First, using short stories and novels written by John Jenkins, as well as other classic short stories and novels, students will learn how to read and explore a broad range of literary genres, themes and literary traditions. Second, students will learn how to bring those developing skills to life by writing literature, using proven fiction-writing techniques aimed at the Jr. High level, and imitating the techniques of master storytellers they have read.

Students will learn 1) the historical and literary contexts from antiquity to the 20th century, 2) the author's worldviews, and 3) the fundamentals of figurative language. Students will apply their knowledge through class discussions and presentations, and by writing scenes and vignettes suggested by the short stories' novels' plots, characters, and themes. Students will learn the basics of effective dialog, writing descriptively, and plot development.

Masterpieces in Literature – Honors Option

Grades 10-12 (younger students with teacher's permission) | Instructor: John Jenkins | Class meets 33 times

This college-level, AP-style class introduces students to college thinking. Honors option available. In this class, students read three literary masterpieces, studying those pieces in-depth. The prospective novels are: Jane Eyre by Emily Bronte (British Literature), Les Misérables by Victor Hugo (World Literature) and The Great Gatsby by F. Scott Fitzgerald (American Literature). Also studied, the literary period in which the story was written, the ideas that framed the authors lives, their times, and their themes.

Students will learn: 1) the Seven Forces of Literature: prior literature, history, culture, religion, author's background and beliefs, theme, and worldview, 2) the fundamentals of literary analysis including figurative language and literary devices, and 3) the application of their knowledge through class discussions, presentations, key quote analysis, basic and advanced short and long answer. Honors: additional reading, research and writing assignments with full-length literary essays.



Writing

Basic Writing IEW: Structure and Style

Grades 7-8 | Instructor: Gill Kalbskopf | Class meets 33 times

Using the method described in the Institute for Excellence in Writing's "Teaching Writing: Structure and Style," students will learn structural models for different types of writing including note taking and outlining, summarizing from notes, writing narrative stories, creative writing, critiques, and organizing and writing research reports. In conjunction, students will learn a variety of stylistic techniques to incorporate into the structural models which will enhance their writing skills. As they are instructed in the stylistic techniques, students will come to understand the grammar associated with each one. Primarily designed as a beginning writing class for junior high students, this class adds depth and richness for those students who enjoy writing by offering new ideas and suggestions while encouraging and motivating those who struggle or currently despise writing.

Effective Writing 7-9 plus Writing for Literature

Grades 7-9 | Instructor: John Jenkins | Class meets 33 times

Intro to Effective Writing will prepare your students for the rigors of effective essay writing. This class incorporates the same academic and professional techniques that develop a student's critical thinking, organizing skills, and effective communication through essays. Students will learn how to 1) take notes, 2) conduct research on the internet, 3) organize information, 4) document sources including footnoting, 5) write effective sentences and paragraphs using basic grammar, spelling, capitalization rules, plus formatting skills such as double-spacing, indents and setting margins. Using these basic skills, the students will then learn how to write effective essays.

Effective Writing 9-12 plus SAT Essay prep, Honors Option

Grades 9-12 | Instructor: John Jenkins | Class meets 33 times

Effective Writing teaches college and professional writing techniques that develop a student's critical thinking, research and organizing skills, natural writing voice, and effective communication through essays. Class includes SAT timed essay preparation and practice. Students will learn how to: 1) research and select effective essay/paper topics, 2) organize, plan, and structure a paper, 3) understand and avoid plagiarism through documenting sources with footnotes, 4) write and rewrite a paper using accepted college formats, and 5) use techniques for developing original thinking so that every paper is written with purpose. This class can be taken as an honor's class. Additional reading, research and writing required.

Journalism 101

Grades 9-12 (grade 8 with teacher's permission) | Instructor: John Jenkins | Class meets 33 times

Journalism 101 provides essential writing and thinking skills for high school, college and beyond by developing a student's natural voice while deepening their practical use of effective writing principles through time-tested professional writing techniques in the writing of news and magazine style non-fiction feature stories and articles. Journalism 101 will enable your student to brilliantly stand out against a bland background of typically mundane high school and college student writers. Students will learn: 1) notetaking and organizing skills, 2) listening and research skills, 3) effective writing skills, 4) natural voice, and most importantly, 5) effective communication skills using journalism techniques that make writing assignments fun and compelling to read.



Art and Design

3-D Art

Grades 7-12 | Instructor: Betsy Dill | Class meets 33 times

Three-dimensional objects can be measured in three different directions (height, width, and depth). In this course, they will be hand-made objects or spaces that communicate or explore ideas and/or emotions. Subtractive and additive figures (clay/wire), natural materials, foam core, cardboard, chipboard, clear tape and papier-mâché casts, soft sculpture, etc. This is art for the hands-on artist. Each year a number of different projects are introduced. No holiday homework assigned.

The Creatives (Studio Art I)

Grades 7-12 | Instructor: Betsy Dill | Class meets 33 times

Studio art involves instruction in classic art techniques using different media. This class is for those with prior art training as well as those who want to try it for the first time. Included in this course are composition and design, drawing, painting, a touch of art history (only the interesting parts), portraits, animal art, still lifes, landscapes/seascapes, sculpture, children's book or magazine cover illustration. Acrylic paint, watercolors, oil pastels, pencil, India ink line work, Chinese brush paintings, clay, weaving. Different projects each year, no holiday homework.

Drawing In Depth

Grades 7-12 | Instructor: Betsy Dill | Class meets 33 times

In-depth study in realism, finishing techniques, shading and highlighting, simple anatomy, composition, elements of design, simple perspective, color theory. Emphasis is on developing a personal style. Line work with pencils, charcoal, pen & ink, Egyptian reed pens, markers, etc. Human & animal portraits, Cartooning/caricatures, personal still lifes, design work, special projects, more. Students continue work begun in class as homework. Different projects each year, no holiday homework. Different projects each year, no holiday homework.

Studio Art II

Grades 7-12 | Instructor: Betsy Dill | Class meets 33 times

More advanced instruction in classic art techniques than The Creatives using different media and more time to polish projects. We continue to work with acrylic paints, watercolors, oil pastels, clay, linoleum block cutting/printing, paper collage, silk-screening, weaving, more. The class is non-competitive, but students are urged to strive for excellence. Most projects are worked on in several classes and finally finished as homework. There is a strong emphasis on polishing the projects. Special Christmas and Mother's Day projects. Different projects each year and no holiday homework.



Foreign Languages

Introduction to French A/Foreign Language Grammar Review

Grades 7-9 | Instructor: Mary O'Donnell | Class meets 33 times

This fun, interactive, academically slow-paced class has two main goals: to introduce younger students to some of the French vocabulary they will need for French I and to review grammar concepts that will enable easier transition into a foreign language. This is a perfect class for those students who struggle with grammatical concepts or for those whose parents suspect might struggle in a beginning language course either now or in the near future. Students learning a foreign language for the first time can be overwhelmed by the amount of vocabulary to learn and by their inability to connect their understanding (or lack of understanding) of English grammar to the workings of French (or other foreign languages). This highly participatory class will introduce French language, some culture, correct pronunciation, and some history and geography through a variety of fun media including games, songs, and various interactive methods. There will be homework assignments and two *very* low-key oral geographical reports and a famous French person visual report (all reports are in English at this stage). Parents will be required to re-teach concepts to their student (ANY parent can easily do it- it's in English and simple) so that these typically younger students have all the resources they need to succeed. All of the curriculum

will be in the form of handouts and CDs written by the teacher. References and insight about this class and upper level French classes from former parents/students are available upon request. Copy and material fee is \$35

French I

Instructor: Mary O'Donnell | Class meets 66 times | **Time: 2.5 hours/week**

Prerequisite: purposed review of English grammar before classes begin (specifics available)

This comprehensive Christian based French course taught by a relatively native speaker uses BJU *French I* materials and will include additional reading assignments, activities, and simple book reports. My goal is to equip students to communicate clearly and effectively to those in francophone countries (there are 50+ countries where French is spoken and 7 continents!), to give them an appreciation for the French language and culture, and to improve their English vocabulary and language skills in preparation for the SATs. (60% of our own language comes from French!). I provide almost all the books needed for a rental fee of \$10 per item (first come basis) or you may purchase them all on your own for over \$200. This is a FUN, interactive class with many games and oral exercises to encourage memorization and oral fluency, BUT it is also face-paced and academically rigorous. For this reason, this first level French class needs 2.5 hours/week of class time and a minimum commitment of three-four hours per week of homework time. References and insight about this class from former parents/students are available upon request. Copy and material fee is \$50. (Note: you are not charged for the extra .5 hr)

French II

Grades 9-12 | Instructor: Mary O'Donnell | Class meets 66 times | Time: 2.5 hrs/wk

Prerequisite: French I with *BJU French 1 text*

This comprehensive Christian based French course taught by a relatively native speaker uses BJU *French 2* materials as a base and will include additional reading assignments, activities, scripture memorization and simple book reports. This is a slower paced class than French I in order to meet my goal to equip students to communicate clearly and effectively to those in francophone countries. Beginning with the summer before class, I will be encouraging the students to communicate more fluidly in French. They will also be expected to do a lot of their work out loud at home and/or with each other in order to work on their oral communication skills. Students will complete half of the BJU French 2 book, and additional material I provide to supplement and complement the material. The second half of the book is covered in French 3 (students are often able to get credit for 2 years of college French at the end of French 3). I provide almost all the books needed for a rental fee of \$10 per item, per year, or you may purchase them all on your own for about \$200. I will dispense semester grades and a final grade at the end of the year *suitable for high school transcripts*. This course also qualifies for language lab credit. Due to the immense amount of extra material provided by the instructor, there is a copy fee of \$50. Note that there will be ten hours of summer work to be completed before classes begin. References and insight about this class from former parents/students are available upon request. (NOTE: you are not charged for the extra .5 hr)

French III

Grades 10-12 | Instructor: Mary O'Donnell | Class meets 66 times | Time: 2 hours/week

Prerequisites: French 2 with *BJU French 1 text*

This comprehensive Christian based French course taught by a relatively native speaker uses the second half of BJU *French 2* materials as a base and will include additional reading of scripture, scripture memorization, various story-telling activities and reading one fun level-appropriate French novel. This is an even slower paced class than French 2 in order to meet my goals to solidify their understanding of grammatical concepts and to equip students to communicate more fluently. As always, they will also be expected to do work out loud at home and/or with each other in order to work on their oral communication skills. Students will complete the second half of the BJU French 2 book, and additional material I provide to supplement and complement the material in the book. I provide almost all the books needed for a rental fee of \$10 per item, per year, or you may purchase them all on your own for about

\$200. Plus, students will need to purchase two additional books to use this year. I will dispense semester grades and a final grade at the end of the year *suitable for high school transcripts*. This course also qualifies for language lab credit. Note that I do teach French IV the following year, but usually off-site in order to include students from non-CHESS classes. Due to the amount of extra material provided, there is a copy fee of \$40. References and insight about this class from former parents/students are available upon request. Note also that there will be ten hours of summer work to be completed before classes begin.

Spanish I

Grades 9-12 (younger students with permission) | Instructor: Christina Bacca | Class meets 66 times

This class is designed for students in grades 9-12 who are new to the study of a language. Level One will introduce students to listening, reading, speaking and writing as well as the study of Latino culture, especially culture of Spain. Listening and reading are the language skills that students acquire first, so active participation is essential. This class curriculum emphasizes comprehensible input rather than grammar. A typical class includes introduction of structures and vocabulary, active "story-asking" where students hear the language used in context and participate in creating a unique story that we will use to advance their skills in all areas of language acquisition. This class will use the text, *Descubre Level 1*, from Vista Higher Learning. A unique feature of this program is an online component that will allow students to listen to and speak Spanish every day for maximum benefit and ease of learning. Each student must have access to a computer at home in order to complete the online assignments. In addition to the class, about three hours of homework will be assigned each week. In class there will be homework review, presentation of new material, and fun, interactive exercises.

Spanish II

Grades 9-12 | Instructor: Christina Bacca | Class meets 66 times

This class is designed for students in grades 9-12 who have successfully completed Spanish 1 (a grade of C-80% or better is required). Spanish 2 builds on previously learned concepts and continues to challenge the student in the areas of listening, speaking, reading, writing and Latin American culture. This class curriculum emphasizes comprehensible input rather than grammar. A typical class includes introduction of structures and vocabulary, active "story-asking" where students hear the language used in context and participate in creating a unique story that we will use to advance their skills in all areas of language acquisition. The class will use the text, *Descubre Level 2*, from Vista Higher Learning, and reading a short, fun novel. Because the objective of the class is to master grammar concepts and apply both grammar and vocabulary to communicative situations we will use half of this text and activities in level 2 and the other half in Level 3. Each student must have access to a computer at home in order to complete the online assignments. In addition to the class, about three hours of homework will be assigned each week. In class there will be homework review, presentation of new material, and fun, interactive exercises.

Spanish III

Grades 9-12 | Instructor: Christina Bacca | Class meets 66 times

This class is designed for students in grades 9-12 who have successfully completed Spanish 2 or the equivalent (grade of C or 80%). Spanish 3 consists of a complete review of grammar learned in Spanish 1 and 2 and introduction to more complex structures. We will continue developing and mastery of listening, reading, speaking and writing skills through our completion of *Descubre Level 2*, and another short novel. Spanish 3 is an exciting level where students reach an advanced level of understanding and speaking allowing them to hold conversations and think in another language. Each student must have access to a computer at home in order to complete the online assignments. In addition to the class, about three hours of homework will be assigned each week. In class there will be homework review, presentation of new material, and fun, interactive exercises. Active classroom participation is essential.



Social Sciences

The History of Freedom – Honors Option

Grades 10-12 (younger students with permission) | Instructor: Jody Lyon | Class meets 33 times

Liberty is something that Americans take for granted, but it is something that must be understood and cared for in order to keep. It is important to uncover where this idea of freedom was born, when it flourished, and to recognize when it might be in danger. This course will examine the idea of “freedom” in Western civilization. The foundation of the course is Dr. Rufus Fear’s treatment of the idea of freedom. We will build on his structure by bringing in other interpretations of freedom from variety of viewpoints. We will start in Ancient Greece, move to Rome, 1st century Christianity, the Middle Ages, the Reformation, Anglo-American concepts of freedom & tyranny and the French Revolution. We will look at individuals: e.g., Alexander & Socrates, Jesus & Paul, Machiavelli & the Divine Right of Kings, Robert E. Lee & Abraham Lincoln, FDR & progressivism, and Churchill & Hitler. Finally, we will address freedom in the modern world. We will read original texts, debate modern commentary and discuss historical lessons. This class is most appropriate for upper-level high school students, however any *interested* CHESS student will benefit and is welcome to join us. Philosophy, history, civics and critical thinking are integrated in History of Freedom. Projects are individualized; and, therefore, can be designed to accommodate the needs of the student’s transcript or academic level. No textbook required.

Understanding Worldviews: Preparing Christian Students for College and the Workplace

Grades 11-12 | Instructor: Sandy Boerman | Class meets 33 times

Too many of our Christian home schooled students go to college or enter the workplace unprepared for the bombardment of other prevalent worldviews that contradict Biblical Christianity. The values and ideas that their parents have spent years instilling are too often left behind because of contradictory ideas and values that are everywhere - college textbooks, teacher lectures, workplace ethics, social groups, and the media, to name just a few. Sometimes these ideas are so subtly imbedded in our society that they are hard to recognize. The purpose of this class is to equip 11th and 12th grade students to go on to higher education or the workplace, and out into the secular world and be able to recognize worldviews that are contradictory to Christian values and beliefs. Students will learn about the differences between the Biblical Christian worldview and Marxism, Secular Humanism, Cosmic Humanism (new age), Post Modernism, and Islamism worldviews. Seven areas on contradiction will be targeted: Theology, Philosophy, Ethics, Biology, Psychology, Sociology, Law, Politics, Economics and History. The textbook we will use is from Summit Ministries - *Understanding the Times: The Collision of Today’s Competing Worldviews*, by David A. Noebel. Each week there will be homework in the form of reading and writing assignments, and possibly some other kinds of projects. Class participation and note taking will be encouraged. Upon completion of this class your student should be able to see the fallacy in the worldviews that he/she will encounter when going on to college or out in the workplace.

U.S. Government: The Words We Live By – Honors Option

Grades 11-12 | Instructor: Jody Lyon | Class meets 33 times

In this class, students will be presented with the origins, meanings and application of our form of government. We will first focus on philosophy and history, placing the formation of our nation in context. Students will research philosophers who influenced our founders and look at documents in place before the Constitution. Next, we will study the Constitution. As we look at each Article/section/ amendment, the class will address history, personalities, present-day issues, court interpretations, and implications for the

future. The Constitution Project (the student's "personal" U.S. Constitution) will reflect their personal insights and understanding of "the words we live by." Students taking full advantage of class activities should become more familiar with this document than most adults - even Congressmen! The course will wind up with a study of the Bill of Rights and corresponding Supreme Court decisions. Now familiar with the nature of our government, the students will become Supreme Court justices making their own rulings on precedent-setting cases. Students will participate in group and individual case study and assemble a casebook of 50+ cases. The final project is the presentation of an issue essay reflecting the students' unique interests and grasp of the material presented throughout the year. This class can be counted as social studies or as social science. No textbook required. Younger students may be admitted at the permission of the instructor.

Virginia History - New World to Old Dominion

Grades 7-12 | Instructor: Jody Lyon | Class meets 33 times

Our area is rich with opportunities to experience Virginia History. This is a plus for home-schooled students and can be taken advantage of to bring learning to life. The primary goal of this class is for the student to discover Virginia. We will begin with the "idea" of Virginia - from the perspective of the original Virginians and those who planned to venture here from Europe. Next we will discuss pre-colonial Virginia and the institutional developments e.g. religious, slavery, agricultural, philosophical. Colonial Virginia informed much of what America was to become and Virginia's role in the Civil War as home to the Capital of the Confederacy as well as Robert E. Lee cannot be underestimated. Finally, as Virginia moves into the modern era we will discuss persons and events that are unique to Virginia in the context of American history. This class can be counted as one year of Virginia or American History. There is no text book to be purchased. The class is research, discussion and long-term project based.

World Geography

Grades 7-9 | Instructor: Dee Dee Kintzing | Class meets 33 times

This exciting, interactive class uses the *Mapping the World by Heart* and Bob Jones University Press Cultural Geography curriculum. Students develop a core knowledge of Geography that serves as a foundation for exploring the full spectrum of high school social science courses. Students learn vital mapping skills, refine memorization techniques, engage in project research, analyse world current events, and improve speech and presentation skills. Current news and historical events become significantly more meaningful when viewed through a well-rounded lens polished with deep Geographic understanding.



Mathematics

Pre-Algebra

Grades 7-9 | Instructor: Camilla Rivera | Class meets 66 times

Pre-Algebra is a bridge between the computational math learned in grades 1-6 and the world of algebra with variable manipulation. In this class we will make sure that fractions, decimals, and percents are solidly mastered and introduce the beginning concepts of measurements, geometry, and algebra to help the student become familiar with the terms used again in high school math and science. The teacher will provide a daily schedule and will grade all tests. Homework will be required Tuesday, Thursday, and Friday. Students are required to check homework answers and come to class with any questions. Class time will be spent reviewing previous material, answering any questions, and introducing new topics.

Algebra I

Instructor: Camilla Rivera | Class meets 66 times

Algebra 1 is a one-year course that builds on arithmetic skills and extends basic algebraic concepts taught in all previous math classes giving the students a foundation for all future math courses. Students will explore: the real number system; writing and solving linear equations; powers and exponents; quadratic equations, polynomials and factoring; rational and radical expressions; graphing and solving linear inequalities; and introduce functions. By the end of Algebra I the student will not only increase their mathematic literacy, but also their problem solving and critical thinking skills which are both valuable tools that can be taken to and applied in other disciplines. There is no prerequisite, however students are asked to complete a placement test. Those who have completed a previous course in pre-Algebra will be the most successful.

Geometry

Instructor: Carol Chenette | Class meets 66 times

Prerequisite: Students must have passed Algebra I with at least a C to take this course.

In geometry, we will complete direct and indirect proofs and learn the logic behind them. We will study and prove theorems about lines, angles, congruence, inequalities, parallel lines, quadrilaterals, transformations, area, similarity, right triangles, circles, concurrence, regular polygons, geometric solids, and the coordinate system. We will also have some algebra review. We will typically cover two lessons per class; homework averages 5 hours per week. Students are expected to check homework at home and bring their questions to class. Some homework will be turned in for grading. Required texts are (1) Geometry by Harold Jacobs, 3rd ed., (Freeman, 2003) Library of Congress Control Number:2003100442, and (2) Teacher's Guide for Geometry 3rd Edition (ISBN: 0-7167-0800-0). (This is the newer edition and has a chess board on the cover).

Algebra 2

Instructor: Camilla Rivera | Class meets 66 times

Prerequisite: Algebra 1

Algebra 2 is designed to review and enrich all concepts from Algebra 1. Topics covered will include operations with real number, systems of linear equations and inequalities, polynomials and factoring, rational equations, quadratic functions, some work with conic sections, exponential functions, complex numbers and logarithms. This is an important high school course and is necessary for all college bound students; the content of this course is needed for students' success on the college mathematics entrance exams (ACT or SAT). Those who succeed in this second part of the algebra sequence are well on their way to pre-calculus, calculus, and higher mathematics, which open the door to careers in science, engineering, medicine, economics, information technology, and many other fields. All students are asked to complete a placement test. It is recommended that students take Geometry before Algebra 2, but Geometry is not a requirement. The TI-83 or above graphing calculator is required.

Algebra 2 Honors

Grades 10-12 | Instructor: Dr. Randy Smith | Class meets 66 times

Prerequisite: Students must have passed Algebra 1 with an A, or have instructor permission, to take this course. Students will receive instruction in the use of TI-83/84 graphing calculators for work in this class. This is an honors-level college preparatory high school mathematics class. We will cover chapters 1-12 of the text. Chapters 13-15 will be covered if time permits. The chapter titles for chapters 1-12 are: preliminary information; functions and relations; linear functions; systems of linear equations and inequalities; quadratic functions and complex numbers; exponential and logarithmic functions; rational algebraic functions; irrational algebraic functions; quadratic relations and systems; higher-degree functions and complex numbers; sequences and series; probability, data analysis, and functions of a random variable. The chapter titles for chapters 13-15 are: trigonometric and circular functions;

properties of trigonometric and circular functions; and triangle problems. Students should expect an average of 4-5 hours of homework per week plus a take-home chapter test every two weeks. The course will also have 2-3 cumulative assessments and a final exam. Parents are asked to ensure homework is completed and proctor tests. The textbook is Prentice Hall Algebra and Trigonometry: Functions and Applications, Classics Edition, by Paul Foerster, 2006. ISBN: 0-13-165710-0 / ISBN-13: 9780131657106.

Precalculus

Instructor: Camilla Rivera | Class meets 66 times
Prerequisite: Algebra 2 and Geometry

Not interested in pre-calculus because you are not pursuing an engineering degree? Well think again. Engineering, science and math majors take calculus of course, but even business majors, computer programmers and IT majors must take some form of calculus. If your student is not interested in any of the previously listed majors, pre-calculus class will be extremely valuable for the college entrance exams (ACT or SAT) and math placement tests at college. All college bound students should take this class. Pre-calculus will begin with functions, review Algebra topics ranging from polynomial, rational, and exponential functions to conic sections, introduce trigonometry concepts such as Law of Sines and Cosines, and end with the limits, the introduction to calculus. All students are asked to complete a placement test. A TI-83 or above graphing calculator is required.

Personal Finance (Fall)

Grades 11-12 | Instructor: Cheryl Bolt | Class meets 16 times

Financial literacy is a must as students transition to independent adults. College tuition, buying a car, credit and loans (the dangers of debt), planning a budget – is your child ready to navigate the path of personal finance? This one semester course will use Dave Ramsey's Foundations in Personal Finance High School Course and "The Car Project" from Barbara Frank's Life Prep for Homeschooled Teenagers to teach students financial responsibility and prepare them for financial independence. Homework for this class will include worksheets, quizzes, unit tests, and research for the car project.



Natural Sciences

Biology, Lab A or B

Grades 9-12 | Instructor: Carol Chenette | Class meets 33 times

Exploring Creation with Biology is designed to be the student's first high school science class. During the weekly class, the main focus is to conduct experiments, but some review and discussion may take place. Students are expected to read/study the material on their own. This book is written in lecture format, it is designed to be learned at home. Parents should expect to help their students learn new science specific vocabulary and to help them learn how to study. The instructor provides daily reading and homework assignments, and grades all tests and labs. Exploring Creation with Biology 2nd edition Textbook and Solutions Manual are required. Lab fee is \$70.

Chemistry Lab

Grades 9-12 | Instructor: Sandy Kelly | Class meets 33 times

Prerequisite: completion of Algebra I and some other high school lab science, preferably physical science

Exploring Creation With Chemistry is a college-prep chemistry course, which gives students a rigorous foundation in chemistry. During class the main focus is to conduct experiments, but some module review and homework discussion will take place. Students are expected to read/study the material on their own. The required book is written in lecture format, and is designed to be learned at home. Parents are expected to help the students with any insufficient math skills. The instructor provides weekly reading and homework assignments, and grade all tests and labs. Exploring Creation with Chemistry 2nd edition Textbook is required. All students interested in Chemistry must take this LAB only class. Those that think they might need extra help should consider also taking the extra Lecture course. Lab fee \$40 and each family will be asked to provide some household items (paper towels, baking soda, etc.) when needed.

Chemistry Lecture

Grades 9-12 | Instructor: Sandy Kelly | Class meets 33 times

Prerequisite: Students must also be enrolled in Chemistry Lab to attend this class

This extra lecture class is suggested for: students that are weak in math; students that have a difficult time learning new concepts from reading a book; and for parents that know there is no way they, or someone else in the family, could possibly help their student with chemistry concepts. Additional lectures, extra practice problems, and discussion will occur in this class to help give the student that extra boost to get through chemistry. All lectures will follow the same schedule as the Chemistry Lab class. This class is not required for the Chemistry Lab. Not all students in Chemistry Lab need to take the Chemistry Lecture. Copy Fee is \$15.

Advanced Chemistry Lecture and Lab

Grades 11-12 | Instructor: Sandy Kelly | Class meets 33 times

Prerequisites: A student should have completed Algebra 2 and the first year of chemistry using Exploring Creation with Chemistry.

This chemistry course is designed to be taken after a college-preparatory chemistry course such as Exploring Creation with Chemistry. When both courses are taken, the student is prepared to take the AP (Advanced Placement) or CLEP (College Level Examination Program) chemistry exam. (It is recommended that a student use a test preparation book, along with the course work, if planning to take one of these exams.) Students are expected to read and study the material on their own. Additional lectures, extra practice problems, discussion, and experiments will occur in this class. The instructor provides weekly reading and homework assignments, and grades all tests and labs. Apologia Advanced Chemistry in Creation, 2nd edition Textbook is required. Lab fee of \$30 and each family will be asked to provide some household items (paper towels, baking soda, etc.) when needed.

Physical Science

Grades 8-9 | Instructor: Carol Chenette | Class meets 33 times

Exploring Creation with Physical Science is designed to be the last science course the student takes before high school. It is recommended as an 8th grade course. We will cover such topics as the atmosphere, the hydrosphere, weather, the structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity, and astrophysics. Lab skills will be developed throughout the course. This is an excellent course for preparing the student to take a college-prep high school science curriculum. Class time will be used for labs and class discussion of the material. Students will be expected to read the material and answer the questions on their own. The instructor will provide daily reading and homework assignments, and will grade all tests and labs. Parents will be asked to monitor homework and proctor tests. There is a lab fee for this course. (Your child should be taking or have completed a pre-algebra course before starting this course.)

Physics

Grades 10-12 | Instructor: Dr. Randy Smith | Class meets 33 times

Prerequisite: Algebra 1 and a basic working knowledge in trigonometry. Completion of or concurrent enrollment in Algebra 2 is encouraged. Students will work with a calculator in this class.

This is a college preparatory high school science course with experiments. My goal is to cover all 16 modules and 34 experiments in the text. Modules include: motion; Newton's laws; work and energy; momentum; periodic motion; waves; optics; electrostatics; electrodynamics; electrical circuits; and magnetism. Each week's classes will alternate between lab work and problem instruction and review. Students should expect an average of 3-4 hours of homework per week plus a take-home module test and 1-3 lab reports due every two weeks. The instructor will grade all tests and lab reports. Parents are expected to ensure homework is completed and proctor tests. The textbook for the class is Exploring Creation with Physics, 2nd Edition (2004) by Jay Wile. Publisher: Apologia Educational Ministries, Inc. ISBN: 978-1-932012-42-2. Note: students will not use the Solutions & Tests book nor will they need the Companion CD-ROM or Audio CD. There will be a lab and copy fee of \$20 for this course.



Other Studies

Fearless Public Speaking (Fall/Spring)

Grades 7-12 | Instructor: Betsy Dill | 16 classes; 1/2 credit

Choose either Fall or Spring semester

Every career depends on the persuasive transfer of information in an engaging fashion. Begin that training in a fun, no-stress atmosphere where humor is welcome and peers are supportive. Learn the mechanics of delivery, how to present research, organize content, design effective posters, and best of all, remain relaxed in the spotlight! Participate in a newscast and become a celebrity on a "talk show!" Videotape of newscast and talk show, no holiday homework.

IMHO (In my humble opinion) – Logic; Reasoning About the World Around Us

Grades 10-12 | Instructor: Jody Lyon | Class meets 33 times

The goal of this class is to provide a safe environment for teens to discuss and learn about topics of interest to them. Topics will be determined by the class and I will facilitate discussions using outside resources relevant to the discussion. Current events will be the source of topics, although general issues such as free speech, church/state, criminal justice, the environment, the media, sports salaries, etc. can also be researched and discussed. The students will be expected to support their viewpoints soundly (this can include scriptural bases if the student view the scriptures as authority), so beginning logic will be integrated through the course. One goal is to avoid emotional arguments - you usually don't win over your audience that way! This is difficult when students feel strongly about an issue. Hopefully this will be a place they can practice this skill. Students need to come to this class with an attitude of respect and a willingness to discuss differing viewpoints. There will be quizzes on logical fallacies, strategies for determining sound arguments, and terminology. Students also will make presentation on fallacies and keep a journal for this class. An essay arguing one of the topics we discussed will be the final project, due

on the next to last day of class. Work at home will average three hours per week, but when projects are due it could be more. No Textbook required.

Introduction to Drama

Grades 7-8 | Instructor: Cheryl Bolt | Class meets 16 times

Does your 7th-8th grader have a flair for the dramatic or the comedic? Intro to Drama will begin to hone those budding acting skills through games, improvisation, monologues, and scene work. There will be two main projects for the semester. Each student will select a children's book to memorize and perform for the class. In addition, an age-appropriate play will be assigned to be read and a script report will be completed.

Introduction to Flight

Grades 11-12 | Instructor: Dr. Randy Smith | Class meets 33 times

Prerequisite: Algebra 2. A basic working knowledge in trigonometry will be required. Completion of or concurrent enrollment in Pre-Calculus is encouraged. Students will work with a calculator in this class.

This is an enrichment class intended to stimulate interest in aeronautical engineering. This course will include the following topics: The First Aeronautical Engineers, Fundamental Thoughts, The Standard Atmosphere, Basic Aerodynamics, Airfoils, Wings, and Other Aerodynamic Shapes, Elements of Airplane Performance, Principles of Stability and Control, and Propulsion. Students should expect an average of 1-2 hours of homework per week plus a take-home chapter test, about every three weeks. Parents are asked to ensure homework is completed and proctor tests. The textbook is Introduction to Flight, 1st Edition, by John D. Anderson, Jr. McGraw-Hill Book Company, 1978. There will be a copy fee of \$35 for this course.

Mock Trial

Grades 9-12 (younger students with teacher's permission) | Instructor: John Jenkins | Class meets 33 times

Mock Trial uses a courtroom backdrop for civil, constitutional, civil, and/or criminal cases, and this highly interactive and team-oriented class integrates all of the basic academic skills needed to succeed in both college and life. Less formal and structured than organized speech and debate classes, Mock Trial uses drama and an introduction to our court and legal system to create a thoroughly compelling academic elixir that will help your students develop competence, confidence, and collective creativity – the interactive power of teams. Students will learn: 1) notetaking and organizing skills, 2) listening and reading skills, 3) problem solving skills, 4) effective speaking skills, and 5) teamwork and leadership skills.

Study Skills for Success in College and Life

Grades 10 - 12 | Instructor: Sandy Boerman | Class meets 16 times (offered fall and winter sessions)

This class is designed to equip college bound students with study and life skills that will contribute to their success in college. The skills learned can also be useful for upper level high school classes. The textbook we will use is Becoming a Master Student (January 2014 Concise Edition) by Dave Ellis. The topics covered are comprehensive in scope, and include: reading, tests, memory, thinking, note-taking, time management, learning styles and communication. The text is designed as a workbook where the student participates in critical thinking exercises, takes inventories of skills and learning, and journals about specific topics. There will also be other homework assignments to support what we are learning. Upon completion of this class, your student should be better prepared in skills needed for higher education, and have a better understanding of their educational strengths and challenges, and how to improve on them.

Theatre Arts

Grades 9-12 | Instructor: Cheryl Bolt | Class meets 33 times

Theatre Arts is a high school drama class that includes units on theatre history and play production (working behind the scenes). Students in this class will have to leave all inhibitions at the door. Monologues, cold readings, scene work, improvisation, and other acting activities are all a part of this class. Homework will include line memorization, characterization studies, reading and worksheets from our textbook, script reports on two full length plays, and a theatre history project.

Speech and Debate***Great Communication Through Speech and Debate***

Grades 7-12 | Instructor: Dee Dee Kintzing | Class meets 33 times

Speaking is probably the most influential tool used for communication. In this class students will explore what it is about great leaders that make them so influential. They will learn skills necessary to inspire others, and practice ways to defuse strained conversation without increasing tension. They will effectively write and powerfully deliver their own persuasive speech, and learn how to think quickly while organizing thoughts through impromptu speeches. Listening techniques and ways to contest flaws in logic will be refined as students compile their skills by implementing different forms of argumentation and debate.