



Class Descriptions

SCIENCE

- **Earth & Space Science:** Our Earth was created especially to support life! In this course, students will learn about all the chemical and physical processes of the earth and its position in space. Through interesting investigations, and real-world issues, students will come to understand their responsibility in caring for the earth for future generations.
- **Physical Science:** Atoms & Molecules, Magnets & Electricity, Motion & Waves, oh my! Physical Science will introduce your middle schooler to the world of matter and motion while preparing them for high school science. With real world application, the chemistry and physics topics presented in this course will teach them how the world around them works in a fun and interesting way!
- **Biology:** Explore the world of living things from a Biblical viewpoint! This Biology course will encourage your student to investigate the living world around them and understand the importance of taking care of our earth's inhabitants. Zoology, ecology, cytology, genetics, and botany are a few of the topics covered in this exciting class. Students will be challenged to think through real-world problems, and evaluate their responsibilities of being good stewards of our planet.
- **Chemistry:** From tiny atoms to living things or the atmosphere and earth's crust Chemistry is everywhere! Through a rigorous, math-focused course, students will understand how all matter works together to make up everything in their world! This course uses real-life application and virtual labs to uncover the mysteries behind why things are the way they are! Prerequisite of Algebra 1 is necessary for this class.

MATHEMATICS

- **Pre-Algebra:** Pre-Algebra is an essential transition between arithmetic and the more advanced high school level mathematics. Students will begin building a solid foundation by mastering the basic concepts upon which all algebra is built. They will then move forward working with such concepts as polynomials, angles, and algebra word problems. This course is the perfect bridge to Algebra 1.
- **Algebra 1:** This course is designed to expound upon the student's knowledge of arithmetic in applying it to the study of algebra. Students will learn how to systematically solve linear equations that include rational expressions, absolute value expressions, radical expressions, fractions and decimals. As equations, inequalities, and functions are introduced, students will learn how to graph, analyze, and solve them.
- **Algebra 2:** Building upon the foundation of algebra acquired in Algebra I, students will take a deeper look into the world of equations and their inequalities. They will also be introduced to the fundamentals of statistics, probability, basic trigonometry, and the Cartesian plane.
- **Geometry/Math for College Readiness:** Designed to help students develop logic and analytical skills, this course will cover the art of applying geometric concepts, reinforce algebraic concepts, as well as prepare college or trade-school bound students for standardized testing. An emphasis will also be placed on the real world application of such topics as paychecks, insurance, and budgeting.

ENGLISH

- **Jr High English:** Our English/Language Arts program is balanced and comprehensive. Course components include literary studies that cover a variety of genres and information. Students will write in various genres, including argumentative, informative/explanatory, narrative, essays, and research. Students will work independently, as well as collaboratively, to learn how to understand what they read and evaluate an author's assumptions and claims. Students will conduct research that will require the analysis of resources and informational text. Students will also complete studies and lessons on English grammar, including parts of speech and sentence diagramming. They will use technology and digital media strategically and capably to enhance their reading, writing, speaking, listening and language use.
- **Sr High English:** In our Sr. High English course, students will pursue a balanced, integrated program of literature and English language study. In literature, students will develop strategies to construct meaning and interact thoughtfully with all genres of literature and nonfiction texts. Our writing activities are extensions of experiences developed through reading literary and nonfiction works. Students will also receive instruction in the conventions of written language, effective oral communication, and research techniques.
- **Advanced English:** Our Advanced English course is offered, by teacher invitation only, to students who have satisfactorily completed one year of our Sr. High English course and who want to sharpen their skills before moving on to pursue their educational or professional goals. It is designed for college-bound students who desire to cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

This course introduces students of literature and writing to the discipline of English. The course includes an overview of American literary history (including a study of the elements of literature and practice in close textual analysis with some introduction to refuting the common academic practices of critical theory; and seminar-style discussions of current topics in literature--what to look for when we read a work of literature, the literary devices commonly used by authors and why they work well, and how authors succeed in conveying tone, theme, character, irony, point of view, etc.)

HISTORY

- **American History (*Jr. High*):** Students will explore the personalities and events which were the foundation of America as a nation in this American History course. How our government operates, geography as it relates to places where historic events have occurred, and how to use the gift of political expression are just a few of the subjects that will be explored.
- **World History:** World History is designed to allow students the opportunity to learn about the history and cultures of the world from a Christian perspective. Students will journey from the beginning of civilization in Africa and Asia to the ascent of Western civilization and learn how it led to the expansion of modern-day globalism.
- **U.S. History (*Sr. High*):** Students will journey through the historical timeline of how America came to be and where America stands today in current events. Students will gain knowledge of the 50 states and 46 Presidents that shaped American government and life as Americans know it. Students will also have an opportunity to do further in-depth studies and projects on historical events and people.