

EIGHTH GRADE CORE COURSES

JILL ARCHER
8TH GRADE
ELA

This course will meet the PA Core standards for 8th Grade English Language Arts by helping students comprehend and evaluate complex texts across a range of types and disciplines, and write and communicate effectively for a variety of purposes and audiences. To master these skills, students will study grammar, mechanics, and sentence structure to aid them in becoming better writers and communicators. Students will practice different types of writing, including narrative, expository, persuasive, and descriptive writing. They will learn and practice the process of research and evaluating sources, as well as the steps in the writing process in the construction of a formal research paper. Students will also present information formally and informally, and they will listen and provide feedback to their classmates. Additionally, students will read and analyze literary texts and media in a variety of genres, while considering the author's use of literary devices and figurative language. The literature used will present students with the opportunity to recognize, understand, and appreciate multiple perspectives and cultures, and will help students to evaluate and synthesize ideas and positions in order to learn and reflect.

JEFFEREY YETTER
8TH GRADE
MATH

In 8th grade Math the course will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

EIGHTH GRADE CORE COURSES

JEFFEREY YETTER
8TH GRADE
ALGEBRA I

Throughout the Algebra 1 course it is expected that students will learn how to formalize and expand on Algebraic concepts established in previous coursework. Students will deepen and extend their understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, and using functions. Students will fluently move between multiple representations of functions including but not limited to linear, exponential and quadratics.

DANIELLE KLEMICK
8TH GRADE
AMERICAN
GOVERNMENT

The American Government Course is designed to increase the student's understanding of the American system of government and how it works. As citizens of the United States, this is essential. Power is placed in the hands of the people allowing important freedoms. Because knowledge of how that power works strengthens this nation, the course concentrates on the U.S. Constitution, its amendments, and the resulting government with special focus on the three branches at the federal level.

BRIAN LEITER
EIGHTH GRADE
SCIENCE

The middle school physical science course introduces students to the various disciplines covered in this branch of science. These include chemistry, physics, astronomy, and earth and space science. Students will learn the basics of these areas and will do so through lecture, collaborative learning, and hands on labs. Through completion of this course students should have prerequisite knowledge to assist them when taking higher level courses in this subject area.