

About the Classes

Humanities

Writing Foundations and Literature-7th-8th grade

This class focuses on the foundational skills needed for all good writing: vocabulary, spelling, grammar, varied sentence structure, well organized paragraphs, and basic essays. Practice, practice, and more practice is the key here. Students will work with literature from the Ancient period, both fiction and non-fiction, that correlates with the content in their ArtWorks classes.

Composition and Literature (English)-9th-12th grade

This workshop-style class coaches students through the writing process for descriptive, expository, persuasive, and narrative writing. Emphasis is placed on building writing skills and developing style. There will be a research paper. Use of the MLA format will be required.

Students will work with literature from the Ancient period, both fiction and non-fiction, that correlates with the content in their ArtWorks classes. The literature studies are couched in the social and philosophical context of the time period, helping students learn to discern the expression of the various world views that influence our world.

Government (fall semester)

As students rotate through the time periods in our history classes, they are exposed to virtually every form of government. This class is the perfect companion and allows students to delve deeply into the American form of government and our constitution.

Economics (spring semester)

Economics is a major player in world events. Students will study the fundamental principles of economics and the role it plays in human history, past and present.

Math

Algebra I and Algebra II

Prerequisite: Completion of basic arithmetic. Pre-algebra not required.

Text: TBA

Geometry

Prerequisite: Algebra

Text: TBA

Science

In the SmartWorks program students cover physical science, chemistry, and biology at the elementary level in grades 3-6; again in grades 7-9; and to a greater depth in grades 10-12. Each year science is correlated with the historical time period covered in the ArtWorks classes, helping students connect scientific principles, advances, and scientists to the larger historical context.

Beginning in grade 7, the science classes use Dr. Jay Wile's Apologia Science series as the spine for the classes, supplemented with science from the time period.

Elementary science is taught in a unit study format—10 weeks each semester on Monday mornings.

Discovering God's Creation through Science—3rd-4th and 5th-6th grades

Description: Elementary students spend a semester in each of the following two classes. Woven into their studies will be some of the greats from the Ancient period—Galen, Aristotle, Archimedes, and Hippocrates. Students will also explore the scientific advances of the great ancient civilizations. You will be amazed at some of the things they did!

Biology

- Botany: Students will study the anatomy and physiology of plants, participate in a rose propagation project, and will study plant classification. For fun, they will do an introduction to important spices, their botanical origins, and economic impact.
- Silk worms: Students will grow their own and study the ancient Chinese process of silk production from the cocoons of these fascinating worms.
- Dissection project: Owl pellets provide a world of discovery as students investigate the skeletal remains of the owl's last meal.
- Mummification: Could we possibly do the Ancient time period and not look at mummies? Students will study what it was and how it was done.
- Collections: Student will select a subject and do a collection following specific guidelines. They will present their collection on the last day of class.

Archaeology, Geology, Paleontology, and...a few other things

- History and Science meld as we move into a period with little or no written record, and students study the sciences that reveal the history of earth and of humankind.
- Archaeology: Students will study basic principles of archaeology, participate in a simulated "dig," and learn about some of the great archaeological discoveries.
- Geology: Love those rocks! Where did they come from, what are they made of, and what do they tell us?
- Plate tectonics: Volcanoes, earthquakes, and movement of the earth's crust.
- Ice Age: It was pretty cool!
- Paleontology: Fossils—let's study them, make them and learn where to look for them.
- Roman Roads: Did they all really lead to Rome? And how were they made?

Middle School Science

General Science-7th-8th grade

Text: Exploring Creation with General Science by Dr. Jay L. Wile

Description: Strong emphasis on Ancient period science with the General Science text as the core curriculum. Over a period of two years, students complete the text plus a great deal of supplemental time period science.

High School Science—students cover the material in the textbook plus science and scientists from the Ancient period. This year is rich in material from the great civilizations of the past—everything from brain surgery to the engineering principles used in the pyramids, aqueducts, road construction, and arches. Did you know they had hot and cold running water in homes in the Indus River Valley over 5,000 years ago?

Physical Science-9th-12th grade

Text: Exploring Creation with Physical Science, 2nd Edition by Dr. Jay L. Wile

Prerequisite: General Science or equivalent

Biology-9th-12th grade

Text: Exploring Creation with Biology, 2nd Edition by Dr. Jay L. Wile

Prerequisite: General Science or equivalent.

Chemistry-10th-12th grade

Text: Exploring Creation with Chemistry, 2nd Edition by Dr. Jay L. Wile

Prerequisite: Algebra 1

The Human Body-11th-12th grade

Text: Human Body: Fearfully and Wonderfully Made by Dr. Jay L. Wile

Prerequisites: Algebra 1 & 2, Biology, Chemistry, Physical Science