

Chemistry

Chemistry Lab

General Core Education

Total Classes:

Hours: hours

CURRICULUM DESIGN

Chemistry is the study of the structure and composition of matter that makes up living things and their environment. Chemistry also deals with the study of the changes of matter and the mechanisms by which changes occur. This class covers topics such as matter, chemical reactions, solutions, and nuclear chemistry. Students will demonstrate the ability to design, conduct, evaluate, and communicate results and reasonable conclusions of scientific investigations. Students will also demonstrate knowledge of properties, forms, changes, and interactions of physical and chemical systems.

WHAT IS THE WORKLOAD LIKE?

In this Science course, students will complete a series of Chemistry based experiments and activities. These experiments and activities are used to introduce concepts including the structure of atoms and chemical compounds, the relationships among the elements on the periodic table, chemical and physical transformations, and the measurement and calculations of chemical quantities. Virtual labs and/or simple at home labs are conducted for most chapters. Lab reports must be submitted organizing data and answering questions for the experiment.

LIVE CLASSES

We conduct LIVE, interactive online classes using a conferencing app called Webex. This app allows students to interact with the teacher and peers via microphone. Students will be able to see the teacher's computer screen and interact over material together during class. Each class is recorded in the event a child needs to revisit the course or for an excused absence (ie. sick day).

WHAT IS THE CLASS SIZE?

To keep discussion vibrant, we host classes with a minimum of 4 and maximum of 10 students per class.

WHEN DO CLASSES MEET?

Classes meet online every Monday and Wednesday from 10:50AM to 11:35AM EST.

Classes start August 23rd and end December 10th. There will be no classes on select holiday and/or vacation dates.

WHAT ARE THE TECHNICAL REQUIREMENTS?

Students will need a good internet connection, a phone/tablet/iPad/computer with a microphone, the free conferencing app (Webex app), Microsoft Word or WYSIWYG editor, and access to email.

Civics & The Constitution

General Core Education

Total Classes: 64

Hours: 64 hours

CURRICULUM DESIGN

Civics is the study of government - and only by understanding it can we hope to make sure that our rights are protected, that the provisions are laid out to keep unfettered power in check, and that the Constitution remains the guiding principles for those we select to represent us.

This course delves into the mindset and worldviews of the Founding Fathers, using historic sources, before and after the Constitution was ratified. We will go in depth to discover the important checks and balances provided within it and the real-life applications of them. See how the Constitution has been strengthened and weakened. Discover insights that many, even the politicians who claim to follow it, are unaware of or choose to ignore.

WHAT IS THE WORKLOAD LIKE?

In this History course, students will explore history, development, and creation of the U.S. Constitution. They will determine what the purposes and powers of the Constitution were meant to be. They will discuss how the document is supposed to function in terms of both federal power and state power. Students will explore the needs and importance for the electoral college and understand the rights and responsibilities as a citizen of the republic. Students will complete weekly lessons, worksheets, activities, and assessments.

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Classes meet online every Monday and Wednesday from 10:50AM to 11:35AM EST.

Classes start January 10th and end May 20th. There will be no classes on select holiday and/or vacation dates.

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Debate and Public Speaking

General Core Education

Total Classes:

Hours: hours

CURRICULUM DESIGN & WORKLOAD

The abilities to communicate, to think critically and to conduct research are essential for functioning effectively in the 21st century. Whether in the classroom, boardroom, church, courtroom or town hall meeting, effective communication skills enhance the chances that meanings are conveyed and intentions are more accurately ascribed. Effective communication skills are crucial to avoiding violence as a means of conflict resolution. The Debate & Public Speaking program is designed to develop a proven competency in these skills among students.

This course also provides an introduction to the many aspects of communication. Students are engaged through graded public speeches; listening exercises; interpersonal and small-group communication activities and projects; studies and critiques of mass-media and propaganda strategies; as well as research methods and strategies. Students view outstanding examples of discourse from all of these genres of communication.

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WHAT IS THE CLASS SIZE?

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Classes meet online every Tuesday and Thursday from 10:00AM to 10:30AM EST & 10:50AM to 11:35AM EST. Classes start August 23rd and end December 10th. There will be no classes on select holiday and/or vacation dates.

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Literature: Shakespeare

Spelling

General Core Education

Total Classes:

Hours: hours

CURRICULUM DESIGN

Spelling can be tricky, even for the most enthusiastic writers. With our spelling program, students in each grade can build their spelling skills and confidence with ease. Students will explore a range of word concepts such as affixes and roots that occur in text most frequently (im-, non-, il-, ir-, post, mid, inter, and fore). This teacher-developed curriculum can help students develop strong spelling and word recognition skills and reinforces strong reading development. A comprehensive spelling program extends past the simple memorization of the letters that make up the individual words. The literature portion of the curriculum introduces the students to the foundational works of Shakespeare.

WHAT IS THE WORKLOAD LIKE?

In this Language Arts course, students will apply ELA components as they learn and apply spelling skills and writing skills. Each week of this spelling program focuses on a spelling pattern in a grade level progression. Students will have fun with words in a variety of styles that may include: creating a word wall, playing "I'm thinking of a word", sort words on cards by meaning, word hunt, decode words based on syllable types, and more. Students will also develop critical reading skills: especially understanding of the structure, language and conventions of Shakespeare's verse and the interpretative possibilities of his dramas. Students must show effort and fully participate in each class.

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