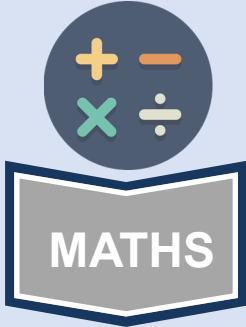


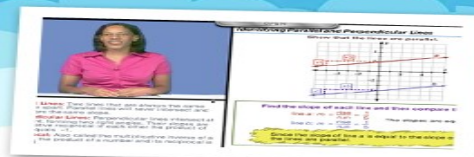
CURRICULUM

The following courses are prescribed courses of the High School Diploma Program. Other courses can be substituted with the following courses.

CATEGORY	SUBJECTS	DESCRIPTION	CREDITS
	ALGEBRA – I	The concepts learned in Algebra I prepare students for Algebra II and Geometry. Beginning algebra students learn concepts through lessons and practice. Online and offline projects allow students to further develop their new skills in practical, real-life situations, building an appreciation for how Algebra can be used in life outside of school. The study of algebra teaches topics such as finding patterns, balancing equations, and using graphs, lines, and arithmetic to understand quantities or dimensions. It also includes the study of ratios, percents, and probability. After completing this course, students will be ready to move on to Algebra II or Geometry.	1.0
	ALGEBRA – II	Algebra II continues the study of algebra where Algebra I left off. Students revisit and build upon concepts from their earlier algebra study, broadening their understanding of functions, probability, matrices, graphing, sequences and series. Students solve equations, analyze and graph data, and learn and use theorems. Algebra II students learn concepts through lessons and practice. After completing this course, students will be ready to move on to study Geometry or Trigonometry.	1.0
	GEOMETRY	High school geometry builds on the concepts of symmetry, shape, and relations. Students learn to use tools, formulas, and theorems to determine dimensions, angles, volumes, and surface area. Offline projects allow students to practice in a hands-on manner by teaching practical uses for geometry that include building, measuring amounts and angles of wood for construction, graphic design, and more. After completing this course, students will be ready to move on to Algebra II or Trigonometry.	1.0
	TRIGONOMETRY	Trigonometry is computational geometry. In trigonometry students learn to compute the sides of a triangle from the dimension of only one side and two angles. Students learn to use sine, cosine, and tangent to find the measures of a triangle. Students also learn vectors and vector operations. Trigonometry students learn concepts through lessons and practice. After completing this course, students will be prepared to study Pre-Calculus.	1.0

In the high school Geometry course, students learn about different types of lines and angles.

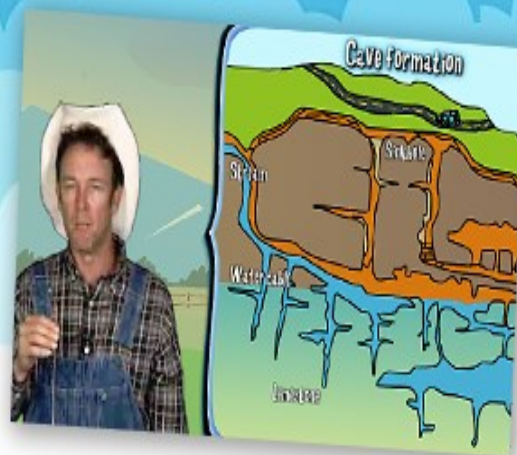
In this lesson, students are asked to identify parallel and perpendicular lines both with and without a graph.



CATEGORY	SUBJECTS	DESCRIPTION	CREDITS
	BIOLOGY	Biology introduces the concepts of life on Earth and its interactions with both living and nonliving matter. Students investigate organisms such as animals, plants, viruses, bacteria, and protists through various methods of the scientific process. Students will also consider the interdependence of life within an ecosystem. This course prepares students for further study of science in Physical Science.	1.0
	CHEMISTRY	Chemistry is the type of science that studies the composition, properties, and various forms of matter. This course also covers organic and nuclear chemistry, as well as the different types of bonding. Students explore chemistry by studying the atom, the combination of atoms in compounds, and interactions between matter and energy. This course prepares students for further study of science in Physics.	1.0
	PHYSICS	Physics uses mathematics to investigate motion and its relation to force and momentum. Students explore the topics of energy, force, and motion throughout the chapters. Lessons teach students how to use Newton's Laws of motion, how to explore gravitational fields, how heat is transferred, and how electrical currents work. The course prepares students for further study of science at the college level.	1.0

In high school Earth Science, students are introduced to Oceanography

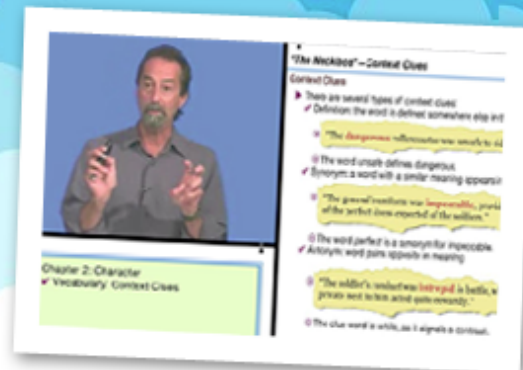
In this lesson, students learn how convection cells affect currents and climate.



CATEGORY	SUBJECTS	DESCRIPTION	CREDITS
	ENGLISH – I	English I uses a combination of learning approaches to teach about concepts such as the elements of story: plot and setting, character, theme and conflict, narrator and voice. Students analyze short stories and two novels: <i>The Old Man and the Sea</i> and <i>Farewell to Manzanar</i> . They also study to include other types of literature including nonfiction, drama, poem, and myth. This course prepares students for further study of Language Arts in English II.	1.0
	ENGLISH – II	English II continues teaching the concepts of the elements of story: plot and setting, character, theme and conflict, narrator and voice. Each element was introduced in English I and is looked at in more depth by analyzing short stories and two novels: <i>Of Mice and Men</i> and <i>The House on Mango Street</i> . Studies will also include other types of literature, including nonfiction, drama, poems, and myths. This course will prepare students for further study of Language Arts in English III.	1.0
	ENGLISH – III	English III introduces and explores American literature. The course uses a chronological format to explore works of fiction, nonfiction, poetry, folk tales, and drama. Students begin to form ideas about history, themes, and viewpoints from each period. Students will bring together what they have learned with the novel study of <i>The Bean Trees</i> by Barbara Kingsolver. This course prepares students for further study of Language Arts in English IV.	1.0
	ENGLISH - IV	English IV examines works of British literature including works of fiction, nonfiction, poetry, folk tales, and drama. The course uses a chronological format to and each chapter provides an historical overview to aid in understanding the themes of literature from that period. Students bring together what they have learned in the course with the novel study on <i>Heart of Darkness</i> by Joseph Conrad. This course prepares students for further study of Language Arts in college level English.	1.0

In the high school English I course, students learn how to use context clues in a text to expand their vocabulary.

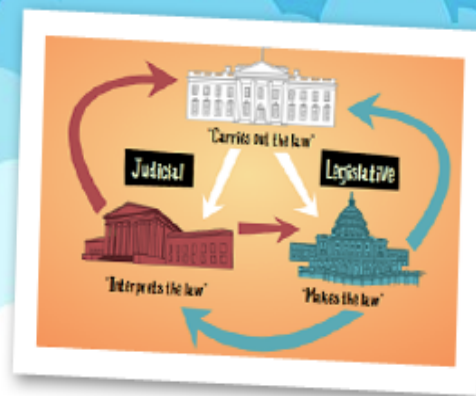
In this lesson, students are asked to derive the meaning of a word by using context clues within a sentence.



CATEGORY	SUBJECTS	DESCRIPTION	CREDITS
 	U.S HISTORY	Students will explore the history of the United States from its beginning until the year 1850. The course covers such topics as the exploration and colonization of America, how America got its independence, how the Constitution was formed, and the reforms that took place along the way. This course prepares students for US History II, which will cover post-1850 history.	1.0
	GEOGRAPHY	World Geography is the study of the land and the environments that make up the earth. This course teaches students about the physical and human aspects of geography, while also taking a closer look at eight different regions that exist across the globe. Students learn to use tools to make and read maps and learn the principles of geographic thinking. They study the world in terms of physical and human geography.	1.0
	U.S GOVERNMENT	This course covers both US Government and Civics. Students can expect to gain a greater understanding of our government, its balance of power on federal, state, and local levels and how the election process works. Students will be asked to compare other systems of government and foreign policies to our own. This course prepares students for college-level study of history and government.	1.0

In the US Government and Civics course, students learn about the judicial & legislative branches of government.

In this lesson, students learn how responsibilities are divided between the different branches of government.



CATEGORY

SUBJECTS

CREDITS



FRENCH, LATIN, CHINESE, SPANISH, ARABIC, AMERICAN SIGN LANGUAGE, JAPANESE, ITALIAN.

2.0



NUTRITION, PRINCIPLES OF PUBLIC SPEAKING, EARTH SCIENCE, FITNESS, PRE-CALCULUS, PRE-ALGEBRA, PHYSICAL SCIENCE, PHYSICAL EDUCATION, ETC.

2.0