

REQUIRED COURSES

057435 **English Language Arts 7**

Grade(s): 07

Prerequisite: English Language Arts 6

Students learn to build habits and develop strategies that readers use on a daily basis to strengthen literal comprehension, interpretive, and analytical comprehension within the structure of a reading workshop.

Students experience reading units of study focused on reading analytically via author's study, nonfiction research across texts, historical fiction book clubs, and reading analytically. In our reading units of study students are engaged in the work of approaching texts as readers, writers, and researchers.

Students learn to build habits and develop strategies that proficient writers use on a daily basis to strengthen thinking and organization, development, mechanics, and conventions within the structure of a writing workshop.

Students experience writing units of study focused on realistic fiction, research based argument essays, informational writing and literary analysis. In our writing units of study, students are engaged in the work of approaching writing as writers, readers, and researchers as participants in a fluid and recursive writing process.

117034 **MATHEMATICS 7**

Grade: 07

Infinite Campus Name: Math 7

Prerequisite: Mathematics 6

Math 7 builds on the skills and concepts developed in Math 6 and centers on understanding and applying proportional relationships. Students will: study scale drawings; use scale drawings to begin understanding proportional relationships; apply proportional relationships to solving circumference and area of circles; use proportional relationships to solve problems; solve equations; write, solve and graph inequalities. The course ends with angles and geometry and data and statistical thinking. As students model and communicate mathematically, emphasis will be placed on perseverance in problem solving as well as abstract and quantitative reasoning.

118043 **Math 8**

Infinite Campus Name: MATH 8

Grade(s): 07 - 08

Prerequisite: Mathematics 7

Math 8 is designed to provide a foundation for the development of skills necessary for Algebra I. Students will: study rigid transformations and congruence; learn about similarity and dilations; explore slope with linear relationships; solve linear equations and systems of linear equations; what makes a relationship a function; volumes of cylinders, cones, and spheres; properties of exponents and scientific notation. Math 8 ends with the Pythagorean theorem as students encounter square roots, cube roots, and irrational numbers for the first time.

137033 **Integrated Science Grade 7**

Grade(s): 07

Prerequisite: None

Seventh grade science has four units of study. In the Matter and Energy strand, students will learn about magnetism, electricity, sound, and light and discover how each has a source, a means of transfer, and a receiver. In the Living Systems strand, students will learn about the structure and function of cells. They will also learn the differences between asexual

and sexual reproduction and the heritability of traits in each. In the Universe strand, students will learn about celestial bodies in our solar system and how they move in predictable patterns based on their interactions. Scientific inquiry is embedded into each unit by encouraging students to ask and explore their own questions. Technology is used as a tool to support learning and to give evidence of learning.

157033 Social Studies Grade 7 - World History: Ancient Civilizations through the Middle Ages

Grade(s): 07

Prerequisite: None

Students will study ancient times through the Middle Ages with a brief introduction to prehistory. Major units of study include River Valley Civilizations (Mesopotamia, Egypt, China, and India), Ancient Greece, Ancient Rome, Ancient Africa and the Islamic World, and Europe in the Middle Ages. Students will apply concepts from the social sciences including economics, geography, government/civics, and religion to the study of ancient and medieval history.

087433 Seventh Grade Physical Education and Health (7)

Grade(s): 07

Prerequisite: None

In seventh grade, students meet daily for Physical Education and Health. Seventh grade physical education lessons continue to build upon the skills developed in sixth grade. Students participate in fitness activities (i.e. strength training, cardio-fitness), recreational/lifetime sports, team sports, dance, and outdoor adventure skills. Students learn the skills and tactics necessary for successful participation in these activities. Students are introduced to the biomechanics of movement (i.e. force, friction, center of gravity) and learn to apply these principles in a variety of movement settings. Students regularly participate in cardiovascular activities and utilize heart rate monitors to assess their participation level while collecting personal fitness data. Students also participate in a wide range of team building and adventure education activities which promote leadership skills. Health-related fitness concepts and benefits are stressed throughout the course. Students have approximately 135-145 days of physical education throughout the year. Health education lessons comprise approximately 30-35 days of the seventh grade Physical Education & Health course. Health education focuses on the study of violence prevention, substance education, nutrition, healthy relationships, human sexuality, and personal safety. Topics of discussion will include harassment and bullying, consumer food choices, cyber safety, family and friend relationships, and abstinence. Students will learn about the ten-building blocks for total health (i.e. accessing information, stress management, analyzing influences, refusal skills) and developmental assets which will be integrated throughout the health curriculum. Students participate in group discussions, individual projects/assignments, collaborative learning projects which help develop their knowledge and health skills. Through home assignments, students are also encouraged to dialogue with their parents to help identify personal and family values which may influence their choices. Peer Teaching is a special component of the seventh grade program which is an alcohol prevention program and is facilitated by trained high school Safe and Drug-free students.