

REQUIRED COURSES

056435 **English Language Arts 6**

Grade(s): 06

Prerequisite: 5th grade

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 character analysis, critical literacy via social issues book clubs, a study of nonfiction text complexity, and global studies. 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 personal narratives, literary essays, and research based information writing. 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.

116033 **Mathematics 6**

Infinite Campus Name: MATH 6

Grade(s): 06

Prerequisite: Mathematics 5

Math 6 provides the foundation for middle school mathematics. Students will: use their knowledge of areas of triangles to reason areas of other shapes and calculate surface area; reason mathematically with ratios and rates; reason with multiple strategies for dividing fractions and decimals and apply it to calculations. Students will also learn strategies for solving equations; reasoning about equivalent equations; write, interpret, and use expressions and equations; and develop understanding of 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.

116113 **Math 6/7**

Infinite Campus Name: Math 6/7

Grade(s): 06

Prerequisite: District Placement Criteria

Math 6/7 is a compacted course that merges both Math 6 and Math 7 curriculum into one course. Students will begin the year: using their knowledge of areas of triangles to reason areas of other shapes and calculate surface area; reason mathematically with ratios and rates; reason with multiple strategies for dividing fractions and decimals and apply it to calculations. Students will also learn strategies for solving equations; reasoning about equivalent equations; write, interpret, and use expressions and equations. As students learn the concepts of Math 6, students will also begin Math 7 concepts. 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.

emphasis will be placed on perseverance in problem solving as well as abstract and quantitative reasoning.

136033 **Integrated Science Grade 6**

Grade(s): 06

Prerequisite: None

Sixth grade science has five units of study: ; Matter and Energy unit: Students learn about the structure of matter and the characteristics of physical and chemical changes of matter. ; Living Organisms unit: Students will study the structure of cells, unicellular organisms and the process of photosynthesis. ; Ecology and Populations unit: Students will explore how organisms are interdependent with one another and with their environment. They will outline how matter cycles through an ecosystem and diagram the transferring of energy within food chains and food webs. ; Earth's Resources-Water: Students will learn the properties of water, the water cycle, and the effects of humans on our water resources. The unit emphasizes the importance of water as an essential component of the Earth System. ; Earth's Changing Surface: Students will explore the features of the Earth's surface and the processes that cause abrupt and slow changes in the surface such as volcanoes, erosion and weathering. This unit also includes the study of the effect of humans on the Earth's surface. In addition, scientific inquiry is embedded in the units through opportunities to use experimental design skills to answer testable questions. Technology is used as a tool to support learning and to give evidence of learning.

156033 Social Studies Grade 6 - World Geography

Grade(s): 06

Prerequisite: None

Students will examine the impact of physical and human geography on the development of ancient and contemporary civilizations throughout regions of the world. Students will develop their spatial and historical thinking skills through the societal, political, geographical, cultural, and economic lenses throughout regions of the world. Students will explore the big idea of, "How where we live impacts how we live?".

Units of study open with an introduction to World Geography and History; students then travel through place and time linked to human migration. Sixth graders begin their study with Sub-Saharan Africa, then transition to Southwest Asia and North Africa, next to South, Southeast and East Asia, then to Australia and Oceania, and ending with The Americas.

086433 Sixth Grade Physical Education and Health (6)

Grade(s): 06

Prerequisite: None

In sixth grade, students meet daily for Physical Education and Health. Sixth grade physical education lessons continue to emphasize the development of physical fitness, movement principles, sport skills, and interpersonal skills. Students participate in a variety of fitness activities (i.e. strength training, cardio-fitness) and challenges which help develop cardio fitness, flexibility, and muscular strength/endurance. A variety of team and individual sport skills are taught using a tactical approach enabling students to combine their skill development with an awareness of tactical problems that arise during the course of a game. Students are also exposed to a wide range of team building and adventure education activities which promote problem-solving, communication and cooperation skills. Lessons often integrate discussions about health-related fitness components and training principles. Students have approximately 135-145 days of physical education throughout the year. Health education lessons comprise approximately 30-35 days of the sixth grade Physical Education & Health course. Health education focuses on the study of personal health, nutrition, disease prevention, healthy relationships, human sexuality, and safety/first aid. Students are introduced to the three domains of health and the ten health skills which are integrated throughout the sixth grade curriculum. Students participate in class discussions, cooperative learning activities, web-based research, and student/parent dialogue assignments which help develop health literacy and help identify their personal values/attitudes towards the choices they face. High

School Heroes is a special component of the sixth grade health program which entails two tobacco and marijuana prevention lessons facilitated by trained high school Safe and Drug-free students. for a grade-level informational flyer for 6th grade Healthy Relationships & Sexual Health Unit.