



Elementary Curriculum

Extended learning foci include: Natural disasters, rivers, dams & lochs, canals, hurricane tracking, geophysical U.S. maps, geography of the Arctic and Antarctica, gems

Relevant Field Lessons may include: The Katy Rock Shop, Oil Ranch, George Observatory, Main Street Theater: Mr. Popper's Penguins, Houston Museum of Natural Science, Creamistry, Sea Center of Texas, Froberg's Farms, Moody Gardens

Language Arts

Curriculum Resource - William & Mary School of Education: Literary Reflections, Patterns of Change

Learning foci

- Reading comprehension
- Textual analysis
- Oral communication through discussion
- Literary criticism
- Express ideas about literary works
- Effective utilization of journals, literature webs, and essays

Mathematics

Curriculum Resource: Eureka Math

Learning foci:

- Eureka Math was written by a team of teachers and mathematicians who took great care to present mathematics in a logical progression from grade PK—12. This coherent approach allows teachers to know what incoming students already have learned and ensures that students are prepared for what comes next. When implemented faithfully, Eureka Math will dramatically reduce gaps in student learning, instill persistence in problem solving, and prepare students to understand advanced math.
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Science

Curriculum Resource: Stemsscopes

Learning foci:

- Force Motion and Energy
 - Pushing and pulling to show work
 - Differentiate forms of energy (mechanical, sound, electrical, light, thermal)
 - Differentiate between conductors and insulators
 - Understand closed path circuits
 - Explore electromagnetic fields
- Earth's Forces
 - Rapid changes on Earth's surface (volcanic eruptions, earthquakes, landslides)
 - Identify that plants have basic needs (air, water, nutrients, sunlight, space)
- Traits
 - Explore the concept of inherited traits
 - Recognize that some behaviors are learned
- Properties of Soil
 - Examine soil properties (ability to retain water, color, texture)
 - Identify how soil has the ability to support the growth of plants

Social Studies

Curriculum Resource: William & Mary School of Education: Building a New System, Colonial America

Learning foci:

- Interrelationships between the Chesapeake Bay System, Native Americans, and Early English Colonists in Virginia
- Explore the economic, social, and political systems of Early America Across Colonies
- Compare and contrast the lifestyles of different groups in different regions
exploration of the period from 1607-1763 through reasoning and document analysis

Foreign Language

Learning foci:

- Introduction to French/Spanish Culture
 - Basic proficiency in listening, speaking, reading and writing
 - Ask and answer simple questions
 - Respond verbally and in writing with simple sentences about daily life
 - Formulate basic questions
 - Vocabulary acquisition
 - Exposure to authentic, age appropriate literature
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