



# Intermediate Curriculum

**Extended learning foci include:** Texas Geography Climate, Landforms, and Geography of Western Hemisphere, Iron Ore, Copper, Bauxite

*Relevant Field Lessons may include: Bureau of Economic Geology, Houston Museum of Natural Science Planetarium and Gem Hall, The Outdoor School, The Menil Collection, The Cistern, George Observatory, Food Bank, Flight Museum, George Bush Presidential Library, NASA, Sea Center Texas, Waste Management Recycling, Texas A7M Galveston Seminar, Sea Turtle Hatching Ground, Texas Hill Country*

## Reading and Language Arts

*Curriculum Resource: William & Mary School of Education: Mind Your Time*

### Learning Foci

- Develop Analytical and Interpretive Skills in Literature
- Demonstrate Creative, Persuasive, and Expository Writing Skills
- Exhibit Linguistic Competency
- Confidently Demonstrate Listening and Oral Communication Skills
- Apply Reasoning Skills to Literary Pieces
- Understand the Concept of Time in the Language Arts

## 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:

- The Scientific Method
    - Demonstrate Safety during Laboratory Exercises
    - Understand and Implement the Scientific Method for Experiments and Explorations
    - Measure and Graph with Accuracy
  - Matter and Energy
    - Classify Matter Based on Physical Properties Including Mass, Magnetism, Physical State, Relative Density, Solubility in Water, and Ability to Conduct or Insulate Thermal/Electric Energy
    - Identify the Formation of a New Substance
    - Analyze Changes such as Production of a Gas or Precipitate, Color, Temperature
  - Earth and Space Science
    - Explain How the Sun and the Ocean Interact in the Water Cycle
    - Model and Illustrate the Different Structural Layers of Earth
    - Identify the Atmosphere and the Lithosphere
  - Organisms and Environments
    - Compare the Structures and Functions of Different Species as Related to Life and Survival
    - Compare the Structures and Functions of Land and Aquatic Species
    - Understand that All Organisms are Composed of One or More Cells
    - Recognize the Nucleus of a Cell and what this Means for a Prokaryote or a Eukaryote.
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## Social Studies

Curriculum Resource: William & Mary School of Education: A World Turned Upside Down, A House Divided

### Learning foci:

- History of the United States from 1565 to the Present
- Deep Understanding of the Conflict Between the American Colonies and Great Britain
- Describe Events and People from 19th Century America which were Highly Impactful
  
- Identify Reasons for Westward Expansion and Consequences and Benefits for Doing So
- Utilize Maps to Understand Regions of the United States and to Analyze Impacts of Events or People and the Cultural Footprints of these Regions
- Make Connections Between Landforms and Settlement Patterns, Economic Systems, and Government
- Identify the Impacts that Humans Have on the Land and Environments

## Foreign Language

### Learning Foci:

- Immersive French/Spanish Language - Class Time is Predominantly Conducted in French/Spanish
  - Intermediate proficiency in Listening, Speaking, Reading and Writing
  - Focus on Verb Tenses and Utilizing Proper Gender with Nouns/Articles
  - Respond Verbally and in Writing in French/Spanish (As Much As Possible)
  - Common Expressions, Scenario Based Vocabulary
  - Reading Fluency and Comprehension with Authentic, Age Appropriate Literature
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