

# 6th Grade Curriculum

## Math

- Addition, subtraction, multiplication and division of large numbers, decimals, fractions, and Integers
- Place value
- Order of operations
- Factors, prime factorization
- Multiples
- Lines, angles, planes, basic geometric shapes; two dimensional and three dimensional
- Perimeter and area of 2-D shapes, circumference and area of circles
- Probability, ratios and percents
- Scientific notation
- Graphing
- Simplify versus solving equations
- Pythagorean Theorem
- Solving  $ax+b=c$
- Laws of exponents (introduction)

## Language Arts

### Course Texts:

*Wordly Wise Book 4*

*Grammar, Usage and Mechanics (GUM)*

Novel Study: *The Giver* by Lois Lowry,

*The Boy in the Striped Pajamas* by John Boyne,

*The Hobbit* by J.R.R. Tolkien

### Course Objectives:

- Build a foundation of skills, processes, and strategies that support and guide the development of readers, writers and analytical thinkers
- Expand on each student's ability to read and respond to texts by annotating text effectively and participating in a variety of discussions
- Explore and understand literary elements and devices
- Scaffold the development of structured writing and free writing through guided practice and formative assessment
- Integrate writing throughout language arts via writing workshop, journal entries, on-demand writing, and novel study
- Review, extend and integrate grammar, usage, and vocabulary, thus providing a context for understanding and implementing effective writing practices

### Areas of Study:

Analyzing literature and expository text, reading comprehension, the writing process, grammar, vocabulary, speaking and listening.

## Science

Text: *Elevate Science*, Earth, Pearson

### Course Description:

Focuses on Earth Science. Studies will include exploring the Earth's waters, core, surface and atmosphere with a focus on matter and energy. Students are engaged in inquiry-based learning through investigations that encourage innovation and collaboration that bridge disciplinary boundaries.

### Course Objectives:

- To provide a foundation of facts, processes, basic concepts, principles and applications of science
- To develop skills of observation, description, and critical thinking
- To develop skills in collecting, organizing, and communicating scientific data
- To promote the "doing" of science through inquiry and hands on activities both in the laboratory and at home
- To foster a love of science by connecting the classroom science curriculum to the world we know today
- To help each student develop solid organizational skills and study habits
- To give students a strong analytical writing program explored through scientific inquiry and analysis

## Social Studies

### Ancient History:

- Geography and Early Humans
- Sumer and Mesopotamia
- Ancient Empires of the Fertile Crescent
- Ancient Egypt
- Ancient Greece

## Religion

- Prayer
- The Profession of faith with an emphasis on our belief in the Holy Spirit and the Church
- Church history
- The work of the Apostles
- The sacraments, with an emphasis on Matrimony and Holy Orders