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

Curriculum: California Next Generation 6th Grade Science Standards
Learning Platform: *Discovery Education*, online resources and Techbook
Learning Management System: Google Classroom
Course Description: Earth and Life science - Students explore the Earth's layers, atmosphere, water cycle, and energy as it pertains to interacting systems. Students will also explore life on Earth, homeostasis, and the characteristics of all living things. Students engage in inquiry-based learning through investigations that encourage innovative thinking 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