7th Grade Curriculum

Math

- Evaluating algebraic expressions
- Absolute value and distance
- The Distributive Property
- Combining "like" terms
- Addition, subtraction, multiplication and division of algebraic equations
- Solving equations in the form ax+b=c, ax+b=cx+d
- Solving inequalities
- Solving percent problems
- Area, surface area, volume of polygons, circles, including three dimensional figures
- Completion of pre-algebra standards

Language Arts

Course Texts:

Wordly Wise Book 5
Grammar, Usage and Mechanics (GUM)
Novel Study:
The Pigman by Paul Zindel
Anne Frank: The Diary of a Young Girl
The Outsiders by S.E. Hinton

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 7th Grade Science Standards
Learning Platform: *Discovery Education*, online resources and Techbook
Learning Management System: Google Classroom
Course Description: Basics of Chemistry - Matter and Energy

Students explore physical and chemical properties of matter and the interaction of Earth's atomic and subatomic particles. Students also explore the behavior of solid, liquid and gas particles as temperature increases and decreases. Finally, students explore chemical reactions and conservation of matter. Students are engaged in inquiry-based learning 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 to develop solid organizational skills and study habits
- To give students a strong analytical writing program explored through scientific inquiry

Social Studies

World History:

- Roman Empire
- Islam and the Muslim Empire
- Nations and Empires of Africa
- Chinese Empire
- Japan and Southeast Asia

Religion

- The Ten Commandments
- Profession of Faith with an emphasis on forgiveness of sins, resurrection of the dead, and life everlasting
- Implications of Baptism and forgiveness of sins
- Church history
- Sacraments and the connection to scripture