

# EIGHTH GRADE SYLLABUS

Below are the standard courses and curriculum topics for Eighth Grade.

## **Reading/Literature 8**

- Daily reading of classic literature from our library

## **Language Arts 8**

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling

## **Math 8 (Algebra I and Basic Geometry)**

- Rational and irrational numbers
- Integers and exponents
- Exponents and scientific notation
- One variable linear equations
- Solve linear equations by graphing
- Two variable linear equations
- Graph proportional relationships
- Slope and similar triangles and proportions
- Introduction to functions
- Average rate of change
- Translations, rotations, and reflections
- Intersecting lines and angles
- Parallel lines and perpendicular lines
- Similar and congruent figures
- Volume of spheres, cones, and cylinders
- Graphing data on scatter plots, charts, and tables

## **History/Social Studies 8**

- Events leading up to the Constitution
- U.S. foreign policy in the early republic
- Americans during the 1800s
- The Civil War
- The Reconstruction Period
- The Industrial Revolution

## **Science 8**

- Motion, forces, and the structure of matter
- Earth in the Solar System, study of stars and galaxies
- Chemical reactions
- Chemistry of living systems
- The Periodic Table
- Density and buoyancy
- Improve investigative and research skills

