

CURRICULUM BY GRADE

Eighth Grade

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

Reading/Literature 8

- Daily reading of classic literature from our library or yours
- Log and track your progress

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
- Cursive writing

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

Visual/Performing Arts 8

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

Physical Education 8

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress