

8th Grade

Social Studies

- * Our African, Asian, and European backgrounds
- * Exploration and discovery
- * Growth and development of the United States
 - Colonial life
 - Struggle for independence
 - U. S. Constitution and Bill of Rights
 - Westward movement in America
 - American Civil War
 - Reconstruction
 - U. S. as a world power
- * Meaning of democracy
- * Our American culture
- * U. S. political system
- * U. S. economic system
- * U. S. government
- * U. S. geography
- * Advanced map and globe skills

Science

- * Scientific method
- * Scientific nomenclature
- * Scientific measurement
- * Ecology and environment
- * Conservation
- * Composition of the earth
- * Ocean, atmosphere
- * Weather
 - * Water and its uses
 - * Weathering and erosion
 - * Recycling of resources
 - * Magnetism and electricity
 - * Heat and light
 - * Forces in liquids and gases
 - * Wave, mechanical, electrical, and nuclear energy
 - * The earth's movement
 - * Newton's three laws of motion
- * Machines
- * The atom
- * Periodic table of elements
- * Compounds and mixture

Health and Safety

- * Grooming
- * Functions of the body
- * The body's utilization of food
- * Types and functions of foods
- * Environmental hazards
- * Community sanitation and health
- * Health care services
- * Sexually transmitted diseases
- * Accident prevention, safety, and first aid
- * Mental hygiene
- * Substance abuse

Language Arts

- * Independent reading
- * Literal, inferential, and evaluative reading skills
- * Literary terms
- * Novel, short story, narrative poetry
- * Nonfiction
- * Biographies of great Americans
- * American poets and storytellers
- * Creative dramatics
- * Listening and speech activities
- * Advanced dictionary work
- * Extended vocabulary
- * Figures of speech
- * Spelling
- * Infinitive, participle, gerund, predicate nominative, predicate adjective, direct and indirect object
- * Kinds of sentences and their parts
- * Functions of sentence elements
- * Writing simple business letters
- * Report-writing skills
- * Improving skills in using basic reference sources
- * Inductive and deductive reasoning

Mathematics

- * Maintaining skills in fundamental operations
- * Factoring and products
- * Sets and simple sentences
- * Numeration systems
- * Using fractions and decimals
- * Ratio, proportion, and percent
- * Equalities and inequalities
- * Simple formulas and equations
- * Graphing an equation
- * Powers and roots of rational numbers
- * Polynomials
- * Metric and nonmetric geometry
- * Pythagorean Theorem
- * Scale drawing
- * Right-triangle trigonometry
- * Customary and metric measurement
- * Permutations
- * Probability statistics
- * Statistical terms
- * Mathematics of insurance, banking, and taxes