

Subject	Description
Social Studies	<ul style="list-style-type: none"> • Study modern world history and recent events • Understand how world events affect our lives • Learn the root causes of many problem and conflicts
Science	<ul style="list-style-type: none"> • Theory of plate tectonics and major geologic events • Different layers of the earth • Types of earthquakes and volcanoes and how they are created • Types of rocks and minerals and their structure • How weathering of rock and soil reshape the topography of the land • How earthquakes, volcanic eruptions, landslides, and floods change human and wildlife habitats • Organisms in ecosystem, how they exchange energy and nutrients among themselves and environment
Mathematics	<ul style="list-style-type: none"> • Understand, interpret, and create bar graphs, line plots, and stem-and-leaf diagrams • Perform the correct order of operations • Translating words to mathematical expressions • Solve one- and two-step equations by inverse operations • Find GCF and LCM and equivalent fractions • Calculate sums/differences/products/quotients of decimals • Add/subtract/multiply/divide mixed numbers and fractions with different denominator • Apply the Pythagorean Theorem to solve right triangles • Identify special properties of parallel and perpendicular lines, angles • Calculate square and square root of rational and irrational numbers • Perform addition/multiplication/subtraction/division of integers • Solve proportions by using cross product and percent problems • Find nets of polyhedrons and surface areas/volumes of 3-dimensional object • Understand probabilities, arrangements, odds, and counting methods

Reading	<ul style="list-style-type: none">• Read and respond to various short stories• Read and respond to various novels.• Learn new vocabulary words and apply their meanings.• Identify author's purpose.• Analyze the genres of literature.• Make connections while reading.• Make inferences and predictions.• Analyze the elements of a story.• Read and interpret poems.• Draw conclusions.
Grammar	<ul style="list-style-type: none">• Sentence parts• Nouns and pronouns• Verbs• Adjectives and adverbs• Prepositions, conjunctions, and interjections• Verbals and verbal phrases• Sentence structure• Subject-verb agreement• Capitalization• Punctuation
English	<ul style="list-style-type: none">• The writing process• How to write a personal narrative• How to write a character description• How to write a cause and effect essay• How to write a proposal• How to write poems• Write a short story• Compose research report