

Subject	Description
Social Studies	<ul style="list-style-type: none"> • Study American history, with an emphasis on the time following the civil war • Understand the factors the led to the emergence of the united states as of world power • Analyze the political and social development of the United States •
Physical Science	<ul style="list-style-type: none"> • Students learn to solve problem involving velocity, change in speed and direction • Students learn that motion of an object is the result of a system of forces, whether balanced or unbalanced, acting on that object • Students learn about different types of energy and waves such as sound, light, and magnetic waves • Students learn the structure of the eye and ear and how they process and transmit waves • Students learn the appearance, general composition, relative position, and size in the solar system • Students learn the basic structure of an atoms and different types of bonding
Algebra	<ul style="list-style-type: none"> • Students learn to solve equations and inequities involving absolute values • Students learn to solve multi-step problems, including word problems with justification of each step • Students learn how to graph and derive linear equations given intercepts or slopes in point-slope or slop intercept form • Students learn the concept of parallel and perpendicular lines in their slopes • Students learn how to solve a system of linear equations and inequities as well as interpret the answer graphically • Students learn the addition, subtraction, multiplication and division of rational of monomials and polynomials • Students learn and apply basic factoring techniques to second and simple third degree polynomials • Students learn the addition, subtraction, multiplication and division of rational expressions and functions • Students learn the solve quadratics equations by graphing, factoring, completing the square, and using the quadratic formula • Students learn how to apply quadratic equations to physical problems such as the motionof an object under the force of gravity •
English	<ul style="list-style-type: none"> • Learn the writing process • Write an autobiographical incident • Write an eyewitness report

English cont.	<ul style="list-style-type: none">• Write problem-solution essay• Write comparison-contrast essay• Write a persuasive essay• Write a poem• Write a short story• Write a research paper
Grammar	<ul style="list-style-type: none">• Learn sentence and its parts• Nouns and pronouns• Verbs• Adjectives and adverbs• Prepositions, conjunctions, and interjections• Verbals and verbal phrases• Sentence structure• Subject-verb agreement• Capitalization• Punctuation
Reading	<ul style="list-style-type: none">• Read and respond to various short stories• Read and respond to various novels• Draw conclusions• Make inferences and predictions• Analyze characters• Read and interpret poems• Analyze the elements of a story• Identify the author's purpose• Interpret figurative language• Learn new vocabulary words and apply their meanings