

Seventh Grade Curriculum

Subject	Curriculum
Reading	<ul style="list-style-type: none"> ● discover the pleasure of reading and expand comprehension in a variety of literary genres ● enhance vocabulary, spelling, and comprehension skills through study of word roots and prefixes ● employ reading strategies for journaling and for sustaining in-depth book discussions
Writing	<ul style="list-style-type: none"> ● explore criteria for effective writing in different genres including research and apply them to student writing ● emphasize revision process including organization of content and choice of specific, powerful language ● experiment with leads based on audience and purpose
Listening	<ul style="list-style-type: none"> ● cite evidence from literature and infer themes ● respond to peers in small group discussions and activities ● evaluate peer presentations
Speaking	<ul style="list-style-type: none"> ● communicate through visual representation (i.e. graphic organizers, multimedia presentations, and performances)
On Level Math	<ul style="list-style-type: none"> ● geometry-area and perimeter of polygons/circles, volume of 3-D prisms and cylinders, surface area of 3-D shapes, degrees of a triangle ● introduction to ratio and proportion-scale drawings in circumference, perimeter and area. Similar shapes and objects, inverse proportions ● master of percent problems ● introduction to probability ● mastery of negative numbers, integers, and rules of integers ● introduction to Cartesian plane ● solve linear equations in one variable (multi-step) ● properties of equality ● rational vs. irrational numbers ● introduction to square roots, squares (Pythagorean Theorem)
Advanced Math	<ul style="list-style-type: none"> ● add, subtract, multiply and divide complex fractions ● measurement and geometry-parallel lines cut by a transversal, volume of 3-D prisms and cylinders, surface area of 3-D shapes, constructions, distance between points, similar triangles, congruent angles, degrees in regular polygons, Pythagorean Theorem ● mastery of ratio and proportion-scale drawings in circumference, perimeter and area. Inverse proportions, graph proportional equations (direct variation equations)

	<ul style="list-style-type: none"> ● solve linear equations in one and two variables-variables on both sides, graphing linear equations, slopes, Cartesian plane, properties of equality ● data analysis-mean, median and mode. Charts and graphs, statistics and display data and probability
Science	<ul style="list-style-type: none"> ● explore and understand the scientific method through a variety of hands-on activities and labs ● list the properties of rocks and minerals and use them to indentify specimens ● analyze and apply the principles of osmosis, diffusion, cellular respiration, photosynthesis, and fermentation to new situations ● illustrate and diagram the processes of cell division and mitosis ● explore and understand all human body systems ● demonstrate understanding of physical and chemical properties and changes, as well as the different states of matter ● experiment with substances, mixtures, and solubility
Social Studies	<ul style="list-style-type: none"> ● trace American ideals from the Colonial era through Reconstruction ● demonstrate understanding of geography's effect on the early development of the United States ● analyze primary sources to give insight into the issues of the era
Art	<ul style="list-style-type: none"> ● computer art- I movie ● ceramic slab box ● American artists before 1875
Spanish	<ul style="list-style-type: none"> ● School day and schedules ● What choices we make to maintain health-foods and exercise ● Activities in and out of school ● Conjugating present tense verbs ● Likes and dislikes ● Sentence structure; parts of speech
Music	<ul style="list-style-type: none"> ● recognize the components of the theatre and Broadway musicals, create and label a miniature stage ● explore the differences between program music and absolute music ● continued lessons on guitar ● visit local musical theatres to prepare for 8th grade performance
Physical Education	<ul style="list-style-type: none"> ● in passing games, use kicking, striking, throwing to optimally pass the ball for a scoring opportunity ● anticipate an opponent's movements on offence and counteract them defensively

Technology

- Technology is integrated into all areas Language Arts, Math, Science, and Social Studies Curriculum,
- All students have their own Google Drive account that can be accessed both at home and school.