

# First Grade Curriculum

Language Arts	Mathematics	Social Studies	Science	Spanish
<ul style="list-style-type: none"> <li>❑ Phonics (sounds, blending, rhyming)</li> <li>❑ Emergent reading skills (130+ sight words, accuracy, self-correction)</li> <li>❑ Reading comprehension (character, setting, main idea, purpose, problem, solution).</li> <li>❑ Zaner-Bloser manuscript handwriting.</li> <li>❑ Emergent writing skills (journals, poems, letters, a rudimentary report)</li> <li>❑ Beginning grammar (punctuation, parts of speech)</li> <li>❑ Spelling and Vocabulary (CVC pattern, blends, and suffixes, synonyms, homonyms, compound words, alphabetizing).</li> <li>❑ Literature studies on a variety of authors (inc. Dr. Seuss, Hueknes, and Rylant) and works (inc. Fairy Tales, Flat Stanley, and Cinderella versions from around the world)</li> <li>❑ Field trip to GMU to see a theater production related to a literature topic.</li> <li>❑ Library class, "Meet the Author" programs, book checkout</li> </ul> <p><b>Special Programs</b></p> <ul style="list-style-type: none"> <li>❑ Lemonade, bake sale fundraiser to benefit Alex's Lemonade Stand and Smashing Walnuts Foundation</li> <li>❑ Enrichment program and projects</li> </ul>	<ul style="list-style-type: none"> <li>❑ Place value to three digits</li> <li>❑ Addition and subtraction facts and addition of two digit numbers</li> <li>❑ Understanding fractions</li> <li>❑ Collection, recording, and displaying data</li> <li>❑ Geometry (2D shapes, 3D objects, symmetry, congruence, area perimeter)</li> <li>❑ Measurement and Time (distance, volume, clocks, coins, calendars)</li> <li>❑ Estimation and problem-solving</li> <li>❑ Participation in the Kangaroo Math competition.</li> </ul>	<ul style="list-style-type: none"> <li>❑ Citizenship (freedom, responsibilities, rules)</li> <li>❑ American leaders, symbols, and holidays.</li> <li>❑ Maps, globes, continents, oceans</li> <li>❑ Economic concepts (needs, wants, saving, spending, consumers, producers)</li> <li>❑ Virginia (symbols, location, leaders, economy)</li> <li>❑ Canada (customs, languages, map location, fauna)</li> <li>❑ Mexico (culture,, map location, celebration of Cinco de Mayo)</li> <li>❑ "Flat Stanley" world traveler activity</li> <li>❑ Participation in the Veterans Day program</li> </ul>	<ul style="list-style-type: none"> <li>❑ Scientific method</li> <li>❑ Plants (structures and functions of parts, life cycles)</li> <li>❑ Pebbles, Silt, and Sand (properties, caves, uses of rocks and minerals).</li> <li>❑ Solids and Liquids (water cycle, mixtures, properties)</li> <li>❑ Field trips to Temple Hall Farm, Luck Stone Quarry, Skyline Caverns, Colvin Run Mill, and Oatlands Historic House and Gardens.</li> <li>❑ Full Option Science System (FOSS) kits related to each unit.</li> <li>❑ Plant and cultivate strawberries in the LCDS Garden Lab</li> </ul>	<ul style="list-style-type: none"> <li>❑ Greetings</li> <li>❑ Countries</li> <li>❑ Questions and responses related to colors</li> <li>❑ Questions and responses related to clothing</li> <li>❑ Questions and responses related to animals</li> <li>❑ Questions and responses related to the calendar</li> <li>❑ Spanish and Hispanic culture</li> <li>❑ International Day Festival</li> </ul>
	STEM	Performing Arts	Visual Arts	Physical Education
	<ul style="list-style-type: none"> <li>❑ Log on with a password, security</li> <li>❑ Change fonts, copy &amp; paste, save &amp; retrieve</li> <li>❑ navigate websites, conduct research, PebbleGo, Google Chrome</li> <li>❑ Basic coding, sequencing, programming, using BeeBots &amp; Scratch, Jr</li> <li>❑ Create multimedia presentations, KidPix</li> <li>❑ Engineering design process</li> </ul>	<ul style="list-style-type: none"> <li>❑ Changing dynamics and tempo</li> <li>❑ High/low tone instruments</li> <li>❑ Steady beat, 0, 1, 2 sounds to a beat</li> <li>❑ Higher, lower melody, mi-so-la pattern</li> <li>❑ Verse refrain (AB) and ABA forms</li> <li>❑ 20+ Orff instruments</li> <li>❑ Winter and Spring Concerts, Grandparents Day performance</li> </ul>	<ul style="list-style-type: none"> <li>❑ Art inspired by real, imaginary sources, stories, senses, personal experience</li> <li>❑ Primary and secondary colors, shapes, patterns, size relationships</li> <li>❑ Latin American, Asian, European styles</li> <li>❑ Stone Age, Egyptian, Renaissance, Futurism periods</li> <li>❑ Michelangelo and Matisse studies</li> <li>❑ Feelings, emotions, ideas evoked by art</li> </ul>	<ul style="list-style-type: none"> <li>❑ Balance, agility, flexibility, strength, control</li> <li>❑ Hand/eye and Hand/eye/foot coordination</li> <li>❑ Gymnastics, Soccer, Lacrosse, Tennis, Cross-Country</li> <li>❑ Game skills, tactics, teamwork, sportsmanship</li> <li>❑ Track &amp; Field skills, ending in PK-3rd grade Track Meet</li> <li>❑ 12 swim lessons held at Ida Lee Rec Ctr</li> </ul>

# Second Grade Curriculum

Language Arts	Mathematics	Social Studies	Science	Spanish
<ul style="list-style-type: none"> <li>❑ Phonics (blends, digraphs, diphthongs, syllables)</li> <li>❑ Reading skills (accuracy, fluency, self-corrections, expression, Reader's Theater)</li> <li>❑ Reading comprehension (cause &amp; effect, fact vs opinion, author's motivation, inferences)</li> <li>❑ Zaner-Bloser manuscript and cursive handwriting.</li> <li>❑ Writing skills (writing process, editing, journals, poems, letters, paragraphs)</li> <li>❑ Grammar (part of speech, capitalization, punctuation, subject - verb agreement)</li> <li>❑ Spelling and Vocabulary (dictionary, synonyms, antonyms, homonyms, compound words, roots, prefixes, suffixes).</li> <li>❑ Literature studies on a variety of authors (inc. DePaola, Preet, Caldecott winners) and works (inc. <i>Magic School Bus</i>, <i>Jigsaw Jones</i>, <i>20,00 Leagues Under the Sea</i>)</li> <li>❑ Field trip to GMU to see a theater production related to a literature topic</li> <li>❑ Library class, "Meet the Author" programs, book checkout</li> </ul> <p><b>Special Programs</b></p> <ul style="list-style-type: none"> <li>❑ Shoe collection drive to benefit Soles4Souls</li> <li>❑ Enrichment program and projects</li> </ul>	<ul style="list-style-type: none"> <li>❑ Comparing, rounding 3-digit numbers</li> <li>❑ Comparing and ordering fractions</li> <li>❑ Addition, subtraction of 3-digit numbers with regrouping</li> <li>❑ Multiplication and division, facts to 5</li> <li>❑ Creating and solving problems using a variety of data displays</li> <li>❑ Geometry (area, volume, perimeter problem solving)</li> <li>❑ Problem solving with distance, money, time, weight, temperature.</li> <li>❑ iPads and student subscriptions to <a href="http://www.ixl.com">www.ixl.com</a>.</li> <li>❑ Participation in the Kangaroo Math competition.</li> </ul>	<ul style="list-style-type: none"> <li>❑ Citizenship (rules, laws, the Constitution)</li> <li>❑ American leaders, symbols, landmarks</li> <li>❑ Maps, globes, continents, oceans</li> <li>❑ Economic concepts (natural, human, capital resources)</li> <li>❑ Colonial America and Native Americans (regions, customs)</li> <li>❑ China (language, customs, Chinese New Year meal and celebration)</li> <li>❑ Brazil (capital, landmarks, rainforest)</li> <li>❑ Field trip to Smithsonian Museum of the American Indian</li> <li>❑ Participation in the Veterans Day program</li> </ul>	<ul style="list-style-type: none"> <li>❑ Scientific method</li> <li>❑ Penguins (habitat, adaptations, poster project)</li> <li>❑ Moon (exploration phases, atmosphere)</li> <li>❑ Human Skeleton (bones, functions, doctor demonstration)</li> <li>❑ Oceans (sea animals, food chain)</li> <li>❑ Tropical Rainforest (climate, ecology)</li> <li>❑ Embryology (life cycle, "Chick Hatching" program)</li> <li>❑ Balance &amp; Motion and Air &amp; Weather "FOSS" science kits</li> <li>❑ Field trips to Smithsonian Natural History Museum and National Zoo</li> </ul>	<ul style="list-style-type: none"> <li>❑ Greetings</li> <li>❑ Countries</li> <li>❑ Questions and responses using adjectives</li> <li>❑ Questions and responses related to the weather</li> <li>❑ Questions and responses related to family members</li> <li>❑ Questions and responses related to food</li> <li>❑ Spanish and Hispanic culture</li> <li>❑ International Day Festival</li> </ul>
	STEM	Performing Arts	Visual Arts	Physical Education
	<ul style="list-style-type: none"> <li>❑ Create own password, security principles, digital citizenship</li> <li>❑ Google Apps, Docs and Slides, images, fonts, text boxes, spell check, toggling</li> <li>❑ Keyboarding, hand placement, posture</li> <li>❑ Navigate websites, research, online database, url address</li> <li>❑ Create multimedia presentations</li> <li>❑ Design, build, program robots w/ Lego WeDo</li> </ul>	<ul style="list-style-type: none"> <li>❑ Changing dynamics and tempos</li> <li>❑ Accents, pitched and unpitched instruments</li> <li>❑ Equal, unequal sounds to a beat, sets of beats, half, quarter, eighth notes</li> <li>❑ Do-re-mi-so-la pattern</li> <li>❑ Sing, play with accompaniment</li> <li>❑ AB, ABA, rondo form, ABC sections</li> <li>❑ 20+ Orff instruments</li> <li>❑ Winter and Spring Concerts, Grandparents Day performance</li> </ul>	<ul style="list-style-type: none"> <li>❑ Art inspired by imagination, literature</li> <li>❑ Primary, secondary tertiary colors, texture, emphasis, balance</li> <li>❑ Foreground, background, proportional sizing</li> <li>❑ 3D art, using a variety of materials, inc. clay</li> <li>❑ Latin America, Asia, Europe, Stone Age, Egypt, Renaissance, Futurism</li> <li>❑ Raphael and Picasso studies</li> <li>❑ Feelings, emotions, ideas evoked by art</li> </ul>	<ul style="list-style-type: none"> <li>❑ Balance, agility, flexibility, strength, control</li> <li>❑ Hand/eye and Hand/eye/foot coordination</li> <li>❑ Gymnastics, Soccer, Lacrosse, Tennis, Volleyball, Basketball, Cross-Country</li> <li>❑ Game skills, tactics, teamwork, sportsmanship</li> <li>❑ Track &amp; Field skills, ending in PK-3rd grade Track Meet</li> </ul>

# Third Grade Curriculum

Language Arts	Mathematics	Social Studies	Science	Spanish
<p>Reading</p> <ul style="list-style-type: none"> <li>❑ Using prior knowledge</li> <li>❑ Asking &amp; answering questions</li> <li>❑ Making &amp; revising predictions</li> <li>❑ Author's purpose,</li> <li>❑ Main idea and supporting details</li> </ul> <p>Writing</p> <ul style="list-style-type: none"> <li>❑ Prewriting strategies</li> <li>❑ Paragraph with topic, supporting and concluding sentences</li> <li>❑ Revising &amp; editing for clarity, grammar, punctuation, and spelling,</li> <li>❑ Print and cursive handwriting</li> </ul> <p>Research</p> <ul style="list-style-type: none"> <li>❑ Citing sources</li> <li>❑ Plagiarism</li> <li>❑ Multi-paragraph report</li> </ul> <p>Oral Presentation</p> <ul style="list-style-type: none"> <li>❑ Clarity, eye contact, volume, speed</li> </ul> <p>Word &amp; Syntax</p> <ul style="list-style-type: none"> <li>❑ Parts of speech</li> <li>❑ Tense consistency</li> <li>❑ Punctuation, spelling</li> </ul> <p>❑ Literature studies on Beverly Cleary, <i>Howliday Inn</i>, <i>Shiloh</i>, <i>Tale of Despereaux</i>, and <i>Frindle</i>, and variety of poetry genres</p> <p>❑ Book Talks, reading logs, Drop Everything and Read time</p> <p>❑ Library class, "Meet the Author" programs, book checkout</p> <p><b>Special Programs</b></p> <ul style="list-style-type: none"> <li>❑ Food drive and fundraiser to benefit Loudoun Hunger Relief</li> <li>❑ Enrichment program and projects</li> </ul>	<ul style="list-style-type: none"> <li>❑ Comparing, rounding 5-digit numbers.</li> <li>❑ Addition, subtraction of 4-digit numbers with regrouping.</li> <li>❑ Addition, subtraction of fractions, mixed nos.</li> <li>❑ Multiplication, division of 2-digit numbers, facts through 12</li> <li>❑ Expressions, function tables, equations</li> <li>❑ Charts, graphs, mean, median</li> <li>❑ Shapes, objects, lines, line segments, rays, perimeter, area, time, weight, volume, money, temperature</li> <li>❑ iPads and student subscriptions to <a href="http://www.ixl.com">www.ixl.com</a>.</li> <li>❑ Participation in the Kangaroo Math competition</li> </ul>	<ul style="list-style-type: none"> <li>❑ Critical thinking, analysis of primary source documents</li> <li>❑ Geography (types of maps, keys, labels, oceans, landforms, continents)</li> <li>❑ Age of Exploration (15th/16th century European explorers)</li> <li>❑ Colonial American History (Roanoke, Jamestown, Plymouth)</li> <li>❑ Government &amp; Economics (branches, types of government, trade, specialization, opportunity cost)</li> <li>❑ Field trip to Historic Jamestowne and Jamestown Settlement</li> <li>❑ Major research report and oral presentation about an explorer.</li> </ul>	<ul style="list-style-type: none"> <li>❑ Scientific method</li> <li>❑ Monarch Butterfly (life cycles, migration, Butterfly Raising Kit)</li> <li>❑ Biomes and Habitats. (food pyramids, webs, interdependence)</li> <li>❑ Machines (functions principles, Simple Machine Science Fair)</li> <li>❑ Astronomy (solar system, stars, gravity)</li> <li>❑ Field trips to Ballentine Farm, Shenandoah Discovery Museum, Udvar-Hazy Air &amp; Space Museum, National Air &amp; Space Museum.</li> <li>❑ Full Option Science System (FOSS) kits related to each unit</li> <li>❑ Plant and cultivate butterfly garden in the LCDS Garden Lab.</li> </ul>	<ul style="list-style-type: none"> <li>❑ Greetings</li> <li>❑ Countries</li> <li>❑ Questions and responses related to numbers through 50</li> <li>❑ Questions and responses related to the weather, seasons, soccer, music, planets, and animals</li> <li>❑ Questions and responses related to the weather, seasons, soccer, music, planets, and animals</li> <li>❑ Questions and responses related to one's body, family, and residence</li> <li>❑ Spanish and Hispanic culture</li> <li>❑ International Day Festival</li> </ul>
	STEM	Performing Arts	Visual Arts	Physical Education
	<ul style="list-style-type: none"> <li>❑ 1:1 Chromebook cart</li> <li>❑ Digital citizenship, security, LCDS Acceptable Use Policy</li> <li>❑ Google Apps, Docs, Slides, Sheets, animation, data, graphs, sharing</li> <li>❑ Google Earth tour</li> <li>❑ Keyboarding, hand placement, posture</li> <li>❑ Navigate, research, travel brochure project</li> <li>❑ Create movies, use video editing software</li> <li>❑ Snap circuits, design &amp; build electronics</li> </ul>	<ul style="list-style-type: none"> <li>❑ Changing dynamics and tempos</li> <li>❑ Marcato, legato, staccato articulation</li> <li>❑ 2/4 and 4/4 meter, half, quarter, eighth, sixteenth notes</li> <li>❑ Do-re-mi-so-la pattern</li> <li>❑ Sing, play in a canon with melodic ostinato</li> <li>❑ Major, minor tone, phrase, verse refrain</li> <li>❑ 20+ Orff instruments</li> <li>❑ Winter and Spring Concerts, Grandparents Day performance</li> </ul>	<ul style="list-style-type: none"> <li>❑ Art-making process</li> <li>❑ Traditional, alternative sources for inspiration</li> <li>❑ Qualities of color, space, balance</li> <li>❑ Fore, middle, and background in 2D</li> <li>❑ 3D art, using a variety of materials, inc. clay</li> <li>❑ Genres, cultural styles, form and function of artifacts</li> <li>❑ DaVinci and Seurat studies</li> <li>❑ Analysis, critique, value, craftsmanship</li> </ul>	<ul style="list-style-type: none"> <li>❑ Balance, agility, flexibility, strength, control, fitness</li> <li>❑ Hand/eye and Hand/eye/foot coordination</li> <li>❑ Gymnastics, Soccer, Lacrosse, Tennis, Volleyball, Basketball, Cross-Country</li> <li>❑ Game skills, tactics, teamwork, sportsmanship</li> <li>❑ Track &amp; Field skills, ending in K-3rd grade Track Meet</li> </ul>

# Fourth Grade Curriculum

Language Arts	Mathematics	Social Studies	Science	Spanish
<p><b>Reading</b></p> <ul style="list-style-type: none"> <li>Using prior knowledge</li> <li>Asking &amp; answering questions</li> <li>Making &amp; revising predictions</li> <li>Author's purpose,</li> <li>Main idea and supporting details</li> </ul> <p><b>Writing</b></p> <ul style="list-style-type: none"> <li>Prewriting strategies</li> <li>Paragraph with topic, supporting and concluding sentences</li> <li>Revising &amp; editing for clarity, grammar, punctuation, and spelling,</li> <li>Print and cursive handwriting</li> </ul> <p><b>Research</b></p> <ul style="list-style-type: none"> <li>Citing sources</li> <li>Plagiarism</li> <li>Multi-paragraph report</li> </ul> <p><b>Oral Presentation</b></p> <ul style="list-style-type: none"> <li>Clarity, eye contact, volume, speed</li> </ul> <p><b>Word &amp; Syntax</b></p> <ul style="list-style-type: none"> <li>Parts of speech</li> <li>Tense consistency</li> <li>Punctuation, spelling</li> <li>Daily Grammar Practice</li> </ul> <p> <ul style="list-style-type: none"> <li>Literature studies on <i>Because of Winn Dixie</i>, <i>Sign of the Beaver</i>, <i>George Washington's Socks</i>, and <i>Dear Levi</i></li> <li>Library class, "Battle of the Books" and "Meet the Author" programs, book checkout</li> </ul> </p> <p><b>Special Programs</b></p> <ul style="list-style-type: none"> <li>Lower School Student Council, including annual fundraiser to benefit the Loudoun Animal Shelter</li> <li>Buddy program with prekindergarten</li> <li>Enrichment program and projects</li> </ul>	<ul style="list-style-type: none"> <li>Operations with fractions, mixed numbers, convert fractions to decimals</li> <li>Decimals, place value through hundredths, convert to fractions</li> <li>Multiplication, division of multi-digit numbers, factors, multiples, prime factors</li> <li>Solving equations using all operations, expressions, functions with two operations, distributive property</li> <li>Problem solving with angles, shapes, objects, lines, line segments, rays, perimeter, area, time, weight, volume, money, temperature</li> <li>Estimation and problem solving strategies</li> </ul>	<ul style="list-style-type: none"> <li>Early American History (1630-1860)</li> <li>Revolutionary period (mercantilism, trade, colonial govt, taxation, French &amp; Indian War, Stamp Act, Tea Party, war, leaders)</li> <li>Constitution (Articles of Conf., Convention, Great Compromise, three branches, Bill of Rights, ratification)</li> <li>Antebellum Era (westward expansion, War of 1812, Mexican War, tariff, slavery)</li> <li>Geography (map types, longitude, latitude, US regions)</li> <li>Field trip to National Constitution Center and Independence Hall in Philadelphia</li> <li>National Geographic Geography Bee.</li> </ul>	<ul style="list-style-type: none"> <li>Scientific method</li> <li>Weather (instruments to measure pressure, humidity, temp, wind)</li> <li>Measurement (tools to measure distance, volume, temp)</li> <li>Physics of Sounds (waves, ear anatomy musical instruments)</li> <li>Magnets &amp; Electricity (generation, types of circuits, conductors, insulators, electromagnetism)</li> <li>Field trip to the Franklin Science Museum in Philadelphia</li> <li>Full Option Science System (FOSS) kits related to each unit</li> <li>Science Fair project and presentation</li> </ul>	<ul style="list-style-type: none"> <li>Variety of greetings and responses</li> <li>Countries and cities</li> <li>Numbers through 100, including addition, multiplication, geometry</li> <li>Detailed descriptions, complete sentences related to food and animals</li> <li>Detailed descriptions, complete sentences related to one's family, home, profession</li> <li>Spanish and Hispanic culture</li> <li>International Day Festival</li> </ul>
	STEM	Performing Arts	Visual Arts	Physical Education
	<ul style="list-style-type: none"> <li>BYOT program, safety, responsibility</li> <li>Digital citizenship, security, LCDS Acceptable Use Policy, plagiarism</li> <li>Google Apps, Docs, Slides, Sheets</li> <li>Keyboarding, hand placement, posture</li> <li>Navigate, research search strategies, reliability, accuracy</li> <li>"Hour of Code," create animations in Scratch</li> <li>iPads and iMovie to create advertisement</li> </ul>	<ul style="list-style-type: none"> <li>String Orchestra and Band programs</li> <li>Instrument parts and care, proper position</li> <li>Play eighth, quarter, half, dotted-half, whole notes, 2-3 note slurs</li> <li>Perform a variety of dynamics, tempi, textures, accents</li> <li>Play in keys D, G, C Major, a, c minor (orch) and Bb, Eb, and F major (band)</li> <li>Winter and Spring Concerts, Grandparents Day performance</li> </ul>	<ul style="list-style-type: none"> <li>Art-making process</li> <li>Qualities of color, space, balance, unity, repetition, lines</li> <li>Ceramic art, slab method, hand-building</li> <li>3D depictions on 2D surfaces using contours, shading</li> <li>Abstract vs realistic works of art</li> <li>Genres, cultural styles, art history research</li> <li>Analysis, critique, value, craftsmanship</li> </ul>	<ul style="list-style-type: none"> <li>Physical fitness, coordination, balance, flexibility, strength</li> <li>Maturity, leadership, separate PE clothing</li> <li>Cross-country and the "One Mile Run"</li> <li>Gymnastics, Soccer, Field Hockey, Lacrosse, Tennis, Volleyball, Basketball</li> <li>Game skills and Play-Days with other private schools</li> <li>Track &amp; Field skills, ending in 4th-8th grade Track Meet</li> <li>Health &amp; Wellness</li> </ul>

# Fifth Grade Curriculum

Language Arts	Mathematics	Social Studies	Science	Spanish
<p><b>Reading</b></p> <ul style="list-style-type: none"> <li>Using prior knowledge</li> <li>Figurative language</li> <li>Author's style</li> <li>Fact vs. opinion</li> <li>Dialogue</li> </ul> <p><b>Writing</b></p> <ul style="list-style-type: none"> <li>Multi-paragraph compositions</li> <li>Precise vocab to create tone and voice</li> <li>Sentence variation and word choice</li> <li>Revising &amp; editing</li> <li>Dialogue</li> </ul> <p><b>Research</b></p> <ul style="list-style-type: none"> <li>Evaluate relevance, credibility</li> <li>MLA citations</li> <li>Plagiarism</li> <li>Multi-paragraph report</li> </ul> <p><b>Oral Presentation</b></p> <ul style="list-style-type: none"> <li>Clarity, eye contact, volume, speed, posture</li> <li>Compare auditory, visual, written media</li> </ul> <p><b>Word &amp; Syntax</b></p> <ul style="list-style-type: none"> <li>Word roots</li> <li>Types of clauses and sentences</li> <li>Daily Grammar Practice</li> </ul> <p>Literature studies on <i>Bull Run</i>, <i>The Westing Game</i>, and <i>Hidden Figures</i>, and variety of other genres</p> <p>Library class, "Battle of the Books" and "Meet the Author" programs</p> <p>Scripps National Spelling Bee</p> <p><b>Special Programs</b></p> <ul style="list-style-type: none"> <li>Lower School Student Council, including annual fundraiser to benefit the Loudoun Animal Shelter</li> <li>Buddy program with kindergarten</li> <li>Enrichment program and projects</li> </ul>	<ul style="list-style-type: none"> <li>Fractions, mixed numbers, decimal operations, convert fractions / decimals.</li> <li>Multiplication, division, operations, factors, multiples, prime factors, exponents</li> <li>Equations, inequalities using all operations, distributive property</li> <li>Coordinate plane, all graphs, median, median, mode, range</li> <li>Problem solving with angles, perimeter, area, surface area, time, weight, volume, money, temperature</li> <li>Ratios, percents, probabilities</li> <li>Participation in the Math Olympiad competition</li> </ul>	<ul style="list-style-type: none"> <li>American History Civil War to Civil Rights (1860-1965)</li> <li>Civil War</li> <li>Reconstruction</li> <li>Industrial Age</li> <li>Progressive Era</li> <li>World War II</li> <li>Cold War</li> <li>Civil Rights Era</li> <li>Geography (maps, longitude, latitude, "Mystery Class" program)</li> <li>Field trip to Gettysburg battlefield and the Newseum</li> <li>"Decades Dance" program</li> </ul>	<ul style="list-style-type: none"> <li>Scientific method</li> <li>Variables (analyzing data, Full Option Science Study kit)</li> <li>Energy Resources (renewable vs. non-renewable)</li> <li>Force, Energy, Motion (energy forms, laws, and transformations)</li> <li>Rockets (principles, parts, build, launch)</li> <li>Robotics (Lego Mindstorm and WeDo, programming)</li> <li>Field trip to the National Air &amp; Space Museum's Udvar-Hazy Center.</li> <li>Science Fair project and presentation</li> </ul>	<ul style="list-style-type: none"> <li>Variety of greetings and responses</li> <li>Countries and cities</li> <li>Numbers through 100, including add, subtract, multiply, divide, geometry</li> <li>Detailed descriptions, complete sentences related to food and animals</li> <li>Detailed descriptions, complete sentences related to one's family, home, profession</li> <li>Spanish and Hispanic culture</li> <li>International Day Festival</li> </ul>
	STEM	Performing Arts	Visual Arts	Physical Education
	<ul style="list-style-type: none"> <li>BYOT program, safety, responsibility</li> <li>Digital citizenship, Acceptable Use Policy</li> <li>Google Apps, Sheets,, Slides, Lucidpress</li> <li>Keyboarding</li> <li>Research strategies, reliability, accuracy</li> <li>Game design using Gamestar Mechanic</li> <li>"Hour of Code," Khan Academy drawing with code, Javascript</li> <li>Design, build, program using Lego Mindstorm</li> </ul>	<ul style="list-style-type: none"> <li>String Orchestra and Band programs</li> <li>Instrument parts and care, proper position</li> <li>Play eighth, quarter, half, dotted-half, whole notes, 2-3 note slurs</li> <li>Perform a variety of dynamics, tempi, textures, accents</li> <li>Play in keys D, G, C Major, a, c minor (orch) and Bb, Eb, and F major (band)</li> <li>Winter and Spring Concerts, Grandparents Day performance</li> </ul>	<ul style="list-style-type: none"> <li>Art using a variety of color qualities, symbols, elements</li> <li>Experimental material, computer generated art, collaborative art</li> <li>Ceramic process, from "plastic" to "glaze"</li> <li>Fiber art</li> <li>Linear perspective, spatial relationships</li> <li>Genres, cultural styles, art history research</li> <li>Analysis, critique, value, craftsmanship, opinion</li> </ul>	<ul style="list-style-type: none"> <li>Physical fitness, coordination, balance, flexibility, strength</li> <li>Maturity, leadership, separate PE clothing</li> <li>Cross-country and the "One Mile Run"</li> <li>Gymnastics, Soccer, Field Hockey, Lacrosse, Tennis, Volleyball, Basketball</li> <li>Game skills and Play-Days with other private schools</li> <li>Track &amp; Field skills, ending in 4th-8th grade Track Meet</li> <li>Health &amp; Wellness</li> </ul>