

Upland Country Day School Curriculum Chart
November 2010

	Pre- Kindergarten	Kindergarten
Language Arts <i>Content which includes:</i>	<ul style="list-style-type: none"> •Listening •Predicting •Recognizing connection between written/spoken language •Understanding left-to-right progression •Alphabet recognition •Fine motor skills •Graphomotor skills •Illustrating •Dictating stories to teacher •Exploration of factual v. fictional stories •Conversation skills •Dramatic play •Group recitation •Following directions 	<ul style="list-style-type: none"> •Listening •Predicting •Recognizing connection between written/spoken language •Left-to-right progression •Alphabet recognition - upper and lower case •Recognizing sound/symbol relationship •Fine motor skills •Illustrating •Beginning independent composition •Conversation skills - relevant contributions to discussion •Dramatic play •Group recitation •Following directions
Social Studies <i>Content which includes:</i>	<ul style="list-style-type: none"> •Self/Relationship to Others •School Community •Distinguishing between home and school •US Holidays •Respect for ourselves, our things, and each other •Campus exploration - people and places •Collaborative activities with 3rd grade and Upper School students •Rudimentary mapping skills •Service to Others 	<ul style="list-style-type: none"> •Local community •World holidays •Transportation •Respect for ourselves, our things, and each other •Community exploration - field trips •Introductory mapping skills •Service to Others •Calendar Use
Math <i>Content which includes:</i>	<ul style="list-style-type: none"> •Counting •Sequencing •Sorting •Measuring •Graphing •Patterning •Concepts of more than, less than, and equal to 	<ul style="list-style-type: none"> •Counting •Skip-counting •Sequencing •Classifying •Patterning •Measuring •Graphing •Writing numerals •Identifying coins •Telling time to the hour and half-hour •Adding / subtracting to 10
Science <i>Content which includes:</i>	<ul style="list-style-type: none"> •Tools of a Scientist •Seasons •Life Cycles (ex: squirrels, frogs) •Stewardship •Observing •Measuring •Predicting 	<ul style="list-style-type: none"> •Tools of a Scientist •Life Cycles (ex: pumpkins, chicks) •ABCs of Science •Stewardship •Observing and Communicating •Comparing •Measuring and Graphing •Predicting •Proper lab safety and procedures
Spanish <i>Content which includes:</i>	<ul style="list-style-type: none"> •Not offered 	<ul style="list-style-type: none"> •Spanish readiness •Introduction to pronunciation and intonation patterns •Sound recognition •Basic vocabulary
P.E. <i>Content which includes:</i>	<ul style="list-style-type: none"> •Imitation •Rhythm •Eye-hand, Eye-foot coordination •Gross motor skills •Movement to music •Social Play 	<ul style="list-style-type: none"> •Imitation •Rhythm •Eye-hand, Eye-foot coordination •Gross motor skills •Introduction to group and individual competitive games •Social Play
Visual Arts	In Pre-K, The Visual Arts are incorporated throughout all classroom activities	<ul style="list-style-type: none"> •Drawing •Painting •Collage •Clay •Textiles •Origami •Fine motor skills •Aesthetic sense •Experimentation •Perseverance •Craftsmanship •Self-expression
Performing Arts (Drama & Music)	<ul style="list-style-type: none"> •Drama: projection/diction, characterization, improvisation, theater games, concentration, self-discipline, performing, annual drama production •Music: appreciation and performance, steady beat, listening, pitch/singing in tune, expressive movement and dance 	<ul style="list-style-type: none"> •Drama: projection/diction, characterization, improvisation, theater games, concentration, self-discipline, performing, annual drama production •Music: appreciation and performance, steady beat, listening, pitch/singing in tune, expressive movement and dance
Trips have included:	Drama performances at local theatres, Delaware Nature Society	Drama performances at local theatres, Apple Orchard, Kennett Square Borough, New Garden Airport

	Grade 1	Grade 2
Language Arts <i>Content which includes:</i>	<ul style="list-style-type: none"> •Listening; appreciation of literature •Comprehension: Prediction, Main idea, Story elements, Using context clues •Phonics •Building sight word vocabulary •Fine motor skills •Illustrating •Independent and collaborative writing •Introduction to writing process: brainstorm, draft, publish •3-4 sentence compositions in sequential order •Conversation skills - relevant contributions to discussion •Basic writing mechanics •Introductory word processing •Dramatic play and Group recitation •Following directions 	<ul style="list-style-type: none"> •Listening; appreciation of literature •Following directions •Discussion skills •Group recitation/Oral reports •Phonics •Building vocabulary •Comprehension: Prediction, Main idea, Story elements, Using context clues, Cause/Effect •Writing process: brainstorm, draft, edit, publish •Writing mechanics •Spelling rules •Grammar: nouns, verbs, adjectives •Manuscript handwriting •Word processing •Dictionary skills •Research Skills
Reading Support	The Reading Support teacher works with students who need extra reading instruction. They meet during the regular classroom reading period. A program is tailored to each child's individual needs.	The Reading Support teacher works with students who need extra reading instruction. They meet during the regular classroom reading period. A program is tailored to each child's individual needs.
Social Studies <i>Content which includes:</i>	<ul style="list-style-type: none"> •Citizenship in a Community •Current Events •Famous Americans/Holidays •China •Ireland •Communication, cooperation, service to others •Basic mapping skills (compass rose...) •Appreciation for other cultures •Calendar Use 	<ul style="list-style-type: none"> •Citizenship in a Community •U.S. States •Pioneers •Heroes/Heroines •Native Americans •Holidays •Mapping skills •Awareness of past and present •Research / writing / reporting techniques
Math <i>Content which includes:</i>	<ul style="list-style-type: none"> •Counting •Sequencing •Classifying •Measuring •Graphing •Writing numerals •Identifying coins •Telling time to the half hour •Adding / subtracting to 20 •Place value •Solving word problems 	<ul style="list-style-type: none"> •Pattern-counting •Measuring •Classifying •Graphing •Telling time •Currency computation •Place value •Adding/subtracting (w/regrouping) •Identification of plane and solid figures •Word problems •Intro to estimation •Intro to multiplication •Intro to fractions
Science <i>Content which includes:</i>	<ul style="list-style-type: none"> •Properties of Matter (ex: buoyancy and magnetism) •Five Senses •Vertebrates •Classification •Proper lab safety and procedures •Science Process Skills (observing, classifying, measuring, predicting, etc.) •Stewardship •Making connections between science and life 	<ul style="list-style-type: none"> •Properties of Air •Properties of Water •Life Cycles •Entomology •Proper lab safety and procedures •Science Process Skills (observing, classifying, measuring, predicting, etc.) •Stewardship •Making connections between science and life
Spanish <i>Content which includes:</i>	<ul style="list-style-type: none"> •Introductory Spanish vocabulary •Comprehension of and appropriate response to spoken greetings, directions, and questions •Recognition of written Spanish vocabulary •Appreciation of Hispanic culture and bilingual children's stories 	<ul style="list-style-type: none"> •Introductory Spanish Vocabulary •Puerto Rico •Comprehension of and appropriate response to spoken greetings, directions, and questions •Strengthening listening, speaking, and writing skills •Appreciation of Hispanic culture and bilingual children's stories
P.E. <i>Content which includes:</i>	<ul style="list-style-type: none"> •Eye-hand, Eye-foot coordination •Gross motor skills •Sportsmanship •Recognizing the importance of cardiovascular fitness •Introduction to team sports •Beginning Ice Skating 	<ul style="list-style-type: none"> •Eye-hand, Eye-foot coordination •Gross motor skills •Sportsmanship •Recognizing the importance of cardiovascular fitness •Beginning competitive team sports •Ice Skating •Beginning Hockey Skills
Visual Arts	<ul style="list-style-type: none"> •Drawing •Painting •Collage •Clay •Textiles •Origami •Fine motor skills •Aesthetic sense •Experimentation •Perseverance •Craftsmanship •Self-expression 	<ul style="list-style-type: none"> •Drawing •Clay •Textiles •Origami •Aesthetic sense •Experimentation •Perseverance •Craftsmanship •Elements of Art •Principles of Design •Self-expression •Art appreciation
Performing Arts (Drama & Music)	<ul style="list-style-type: none"> •Drama: projection/diction, characterization, improvisation, theater games, concentration, self-discipline, performing, annual drama production •Music: performance, steady beat, listening, pitch/singing in tune, use of rhythm and Orff instruments, music appreciation: Holiday music and music of China 	<ul style="list-style-type: none"> •Drama: projection/diction, characterization, improvisation, theater games, concentration, self-discipline, performing, annual drama production •Music: performance, steady beat, listening, pitch/singing in tune, use of rhythm and Orff instruments, music appreciation: music of the pioneers and Native Americans
Trips have included:	Mushroom Farm, Alpaca Farm, Courthouse	Iron Hill Museum (Native Americans)

	Grade 3	Grade 4
Language Arts <i>Content which includes:</i>	<ul style="list-style-type: none"> •Listening; appreciation of literature •Reading directions •Discussion skills •Oral reports •Phonics •Building vocabulary •Comprehension: Prediction, Main idea, Story elements, Using context clues, Cause/Effect, Summarizing, Fact v. Opinion •Response to literature •Writing process: brainstorm, draft, edit, publish •Writing mechanics • Spelling Rules • Grammar: parts of speech, parts of a sentence •Cursive handwriting •Word processing and multimedia presentations •Dictionary and Thesaurus skills •Research Skills 	<ul style="list-style-type: none"> •Literary genres •Oral reports •Vocabulary study •Spelling Rules •Comprehension: Prediction, Main idea, Story elements, Using context clues, Cause/Effect, Paraphrasing, Summarizing, Inferring, Compare/Contrast •Writing process: pre-write, draft, edit, publish •Writing mechanics •Grammar: parts of speech, parts of a sentence •Cursive handwriting •Word processing and multimedia presentation •Dictionary and Thesaurus skills •Research Skills
Reading Support	The Reading Support teacher works with students who need extra reading instruction. They meet during the regular classroom reading period. A program is tailored to each child's individual needs.	The Reading Support teacher works with students who need extra reading instruction. They meet during the regular classroom reading period. A program is tailored to each child's individual needs.
Social Studies <i>Content which includes:</i>	<ul style="list-style-type: none"> •Citizenship in a Community •Exploration of the New World •Elizabethan England and Shakespeare •Latin American country studies •Rain Forests •Pre-Columbian civilizations •Continents and oceans •Mapping skills (latitude, longitude, hemispheres) •Research / writing / reporting techniques 	<ul style="list-style-type: none"> •Pennsylvania: history, geography, government, and culture •Economics: small business operation •Service to local and global community •Mapping skills •Use of a text book •Research / note-taking / writing / reporting techniques
Math <i>Content which includes:</i>	<ul style="list-style-type: none"> •Measuring •Classifying •Graphing •Elapsed time •Currency computation •Place value • Basic Geometry •Adding/subtracting with regrouping •Solving multi-step word problems •Reasoning and estimation •Multiplication •Intro to Fractions •Intro to division •Mental arithmetic 	<ul style="list-style-type: none"> •Measuring •Intro to metric system •Graphing •Currency computation •Place value •Multi-step word problems •Reasoning and estimation •Multiplication •Division •Addition, subtraction, and multiplication of Fractions •Intro to Decimals •Intro to Percentage •Basic geometry •Mental arithmetic •Algebraic expressions
Science <i>Content which includes:</i>	<ul style="list-style-type: none"> •Geology •Basic Chemistry •Botany •Rain Forest •Experiment design •Proper lab safety and procedures •Science Process Skills (observing, classifying, measuring, hypothesizing, etc.) •Stewardship •Making connections between science and life 	<ul style="list-style-type: none"> •Astronomy •Oceanography •Electricity and alternative energy sources •Proper lab safety and procedures •Science Process Skills (observing, classifying, measuring, hypothesizing, etc.) • Stewardship •Making connections between science and life
Spanish <i>Content which includes:</i>	<ul style="list-style-type: none"> •Expanding Spanish Vocabulary • Appreciation of Hispanic culture •Mexico •Comprehension of and appropriate response to spoken greetings, directions, and questions •Cross-curricular connections •Strengthening listening, speaking, and writing skills •Writing simple sentences and conversations in Spanish 	<ul style="list-style-type: none"> •Expanding Spanish Vocabulary • Appreciation of Hispanic culture •Puerto Rico: geography and culture •Comprehension of and appropriate response to spoken greetings, directions, and questions •Strengthening listening, speaking, and writing skills •Writing simple sentences, stories, and conversations in Spanish •Cross-curricular connections
P.E. <i>Content which includes:</i>	<ul style="list-style-type: none"> •Eye-hand, Eye-foot coordination •Gross motor skills •Sportsmanship •Recognizing the importance of cardiovascular fitness •Indoor court games •Beginning competitive team sports: focus on soccer, field hockey, lacrosse skills •Ice Skating •Hockey Skills 	<ul style="list-style-type: none"> •Eye-hand, Eye-foot coordination •Gross motor skills •Sportsmanship •Recognizing the importance of cardiovascular fitness • “Game Sense”: positioning, strategy •Team sports: soccer, field hockey, volleyball, lacrosse •Ice Skating •Hockey Skills
Visual Arts	<ul style="list-style-type: none"> •Drawing •Clay •Textiles •Origami •Aesthetic sense •Experimentation •Perseverance •Craftsmanship •Elements of Art •Principles of Design •Self-expression •Art appreciation 	<ul style="list-style-type: none"> •Drawing •Clay •Textiles •Origami •Aesthetic sense •Experimentation •Perseverance •Craftsmanship •Observation •Elements of Art •Principles of Design •Self-expression •Art appreciation
Performing Arts (Drama & Music)	<ul style="list-style-type: none"> •Drama: projection/diction, characterization, improvisation, theater games, concentration, self-discipline, performing, annual drama production •Music: performance, steady beat, listening, pitch / singing in tune, use of recorders, rhythm and Orff instruments, introduction to music reading, music appreciation: Renaissance music and dance, Latin American music, expressive movement and dance 	<ul style="list-style-type: none"> •Drama: projection/diction, characterization, improvisation, theater games, concentration, self-discipline, performing, annual drama production •Music: performance, steady beat, listening, pitch / singing in tune, use of recorders, rhythm and Orff instruments, reading music, orchestral instruments, music appreciation: Underground Railroad songs, expressive movement and dance
Trips have included:	PA Renaissance Faire, Bank, Museums, Corn Maze	•Overnight trip to Cape Henlopen (science focus) •Day trip to Harrisburg (history focus)

Grade 5		
Language Arts <i>Content which includes:</i>	<ul style="list-style-type: none"> •Literary genres •Oral reports •Vocabulary Study •Comprehension: Prediction, Main idea, Story elements, Using context clues, Cause/Effect, Paraphrasing, Summarizing, Inference, Compare/Contrast, Fact v. Opinion •Writing process (pre-write, draft, edit, publish) •Writing mechanics •Grammar: parts of speech, parts of a sentence •Word processing and multimedia presentation •Dictionary and Thesaurus skills •Research Skills (artist study) 	
Reading Support	The Reading Support teacher works with students who need extra reading instruction. They meet during the regular classroom reading period. A program is tailored to each child's individual needs.	
Social Studies <i>Content which includes:</i>	<ul style="list-style-type: none"> •World Geography and culture •Service to local and global community •Mapping skills •Use of a textbook •Research / note-taking / writing / reporting techniques 	
Math <i>Content which includes:</i>	<ul style="list-style-type: none"> •Measuring (customary and metric) •Coordinate Graphing •Order of Operations •Solving multi-step word problems •Reasoning and Estimation •All operations with whole numbers, fractions, and decimals •Prime Factors •GCF/ LCM •Exponents •Geometry •Percentages/Ratio •Introduction to Statistics/Probability •Tesselations •Mental arithmetic •Algebraic expressions 	
Science <i>Content which includes:</i>	<ul style="list-style-type: none"> •Aquatic Studies: Watersheds •Human Body Systems •Forensic Science •Proper lab safety and procedures •Science Process Skills (observing, classifying, measuring, hypothesizing, etc.) •Stewardship •Making connections between science and life 	
Spanish <i>Content which includes:</i>	<ul style="list-style-type: none"> •Expanding Spanish Vocabulary •Appreciation of Hispanic culture •Mexico: geography and culture •Comprehension of and appropriate response to spoken greetings, directions, and questions •Strengthening listening, speaking, and writing skills •Writing simple sentences and stories in Spanish •Using vocabulary in conversation, stories, and presentations •Cross-curricular connections 	
P.E. <i>Content which includes:</i>	<ul style="list-style-type: none"> Eye-hand, Eye-foot coordination •Gross motor skills •Sportsmanship •Recognizing the importance of cardiovascular fitness •“Game Sense”: positioning, strategy •Team sports: soccer, field hockey, volleyball, lacrosse •Ice Skating •Hockey Skills 	
Visual Arts	<ul style="list-style-type: none"> Drawing •Clay •Textiles •Origami •Aesthetic sense •Experimentation •Perseverance •Craftsmanship •Observation •Elements of Art •Principles of Design •Self-expression •Art appreciation 	
Performing Arts (Drama & Music)	<ul style="list-style-type: none"> •Drama: projection/diction, characterization, improvisation, theater games, concentration, self-discipline, performing, annual drama production •Music: performance, steady beat, listening, pitch/singing in tune, use of recorders, rhythm and Orff instruments, reading music, composers, music appreciation: world music, expressive movement and dance 	
Trips have included:	Overnight trip to Echo Hill (science focus)	

	Grade 6	Grade 7
English <i>Content which includes:</i>	<ul style="list-style-type: none"> Literary genres: novels, mythology, poetry, drama Oral reports Vocabulary Study Comprehension Skills Writing process (pre-write, draft, edit, publish) Writing mechanics Spelling Grammar: parts of speech, parts of a sentence, sentence construction Word processing and multimedia presentation Formal Research Paper: thesis, paraphrasing, note-taking, outlining, drafting, citation 	<ul style="list-style-type: none"> Literary genres: novels, poetry, drama, short stories, propaganda Oral reports Vocabulary Study Comprehension Skills Writing process (pre-write, draft, edit, publish) Writing mechanics Grammar: verbs and their complements Word processing and multimedia presentation Formal Research Paper: thesis, paraphrasing, note-taking, outlining, drafting, citation
History <i>Content which includes:</i>	<ul style="list-style-type: none"> US History: European exploration through Civil War Rights and Privileges of American citizenship Mapping skills Study skills including non-fiction reading comprehension, note-taking, test-taking Cause and Effect Timelines, Charts, Graphs Primary and Secondary sources Research skills Written and oral presentations 	<ul style="list-style-type: none"> US History: Reconstruction to WWII Study skills including outlining, note-taking, organization Relation of past events to current issues Economic concepts Discussions and oral presentations
Math-1 <i>Content which includes:</i>	<ul style="list-style-type: none"> Grade-level General math in preparation for pre-algebra: whole numbers, decimals, percents, estimation, divisibility, prime factorization, fraction operations, geometric figures 	<ul style="list-style-type: none"> Grade-level Pre-Algebra 1: order of operations, integer operations, coordinate graphing, absolute value, solving equations and inequalities, mean, median, mode, metric system, fraction operations, ratio, proportion, percent, estimation and rounding
Math-2 <i>Content which includes:</i>	<ul style="list-style-type: none"> Advanced Pre-Algebra 1: order of operations, integer operations, coordinate graphing, absolute value, solving equations and inequalities, mean, median, mode, metric system, fraction operations, ratio, proportion, percent, estimation and rounding 	<ul style="list-style-type: none"> Advanced Pre-Algebra/Beginning Algebra: points, lines, planes, angle relationships, polygons, congruence, circles, symmetry and reflections, translations and rotations, area and volume, right triangles, probability, nonlinear functions, polynomials, and solving equations and inequalities
Science <i>Content which includes:</i>	<ul style="list-style-type: none"> General Science: Intro to Chemistry, Forces and Motion, Cells, Kingdoms and Classification, Environmental and Ecological issues Science Process Skills Reading a Science textbook Writing Lab Reports 	<ul style="list-style-type: none"> Earth Science: Astronomy, Meteorology, Geology, Oceanography, the Biosphere, Global Awareness and Stewardship Science Process Skills Reading a Science textbook Writing Lab Reports
Spanish <i>Content which includes:</i>	Not Offered	<ul style="list-style-type: none"> Listening comprehension Daily conversation Reading and writing in Spanish Culture and geography of Spain and Latin America Basic Grammar such as present tense of verbs and gender and agreement of nouns and adjectives
Latin <i>Content which includes:</i>	<ul style="list-style-type: none"> General language learning techniques Reading, writing, and pronunciation Basic vocabulary and grammar Culture of Ancient Rome Building English vocabulary through study of word derivations and roots 	<ul style="list-style-type: none"> Reading, writing and pronunciation Building a solid base of knowledge for future Latin competency Grammar: conjugation, tense, declension, case, gender, and agreement
Instructional Support	Support class is offered in lieu of Foreign Language to students with documented need. The class provides assistance in developing and improving basic study skills, such as learning strategies, and organizational skills, as well as review of academic material as needed.	Support class is offered in lieu of Foreign Language to students with documented need. The class provides assistance in developing and improving basic study skills, such as learning strategies, and organizational skills, as well as review of academic material as needed.
Athletics <i>Content which includes:</i>	<ul style="list-style-type: none"> Physical fitness Fair play Hand-eye, foot-eye coordination Teamwork Begin the transition to intramural and interscholastic competition Sport related skills: field hockey, soccer, ice hockey, volleyball, lacrosse, cross country 	<ul style="list-style-type: none"> Physical fitness Fair play Hand-eye, foot-eye coordination Teamwork Begin the transition to interscholastic competition Sport related skills: field hockey, soccer, ice hockey, volleyball, lacrosse, cross country
Visual Arts	<ul style="list-style-type: none"> A variety of three-dimensional art forms, working in clay, fibers, glass, and found objects Drawing, painting, printmaking, mixed media Focus on a progression of individual skills Personal expression Observation Art appreciation Inter-disciplinary connections 	<ul style="list-style-type: none"> A variety of three-dimensional art forms, working in clay, fibers, and found objects Drawing, painting, printmaking, mixed media Focus on a progression of individual skills Personal expression Observation Art appreciation Inter-disciplinary connections
Performing Arts (Drama & Music)	<ul style="list-style-type: none"> Drama: Diction, projection, characterization, improvisation, theater games, public speaking, concentration, self-discipline, performing Music: Singing in choir, performing on instruments, melody and rhythm, reading music, music terminology Interdisciplinary connections 	<ul style="list-style-type: none"> Drama: Diction, projection, characterization, improvisation, theater games, public speaking, concentration, self-discipline, performing Music: Singing, performing on instruments, melody and rhythm, reading music, music terminology, composition, form, Jazz Era Interdisciplinary connections
Activities	Each marking period, students in grades 6-9 choose from a variety of offerings. Activity electives have included iMovie, baking, aviation, digital art, chess, and drama, to give a few examples.	Each marking period, students in grades 6-9 choose from a variety of offerings. Activity electives have included iMovie, baking, aviation, digital art, chess, and drama, to give a few examples.
Trips have included:	<ul style="list-style-type: none"> Overnight trip to Williamsburg, VA (history focus) Day trip to Gettysburg, PA (history focus) 	<ul style="list-style-type: none"> Overnight trip to Washington, DC (history focus)

	Grade 8	Grade 9
English <i>Content which includes:</i>	<ul style="list-style-type: none"> Literary genres: novels, short stories, poetry, drama Oral reports Vocabulary Study Comprehension Skills Writing process (pre-write, draft, edit, publish) Writing mechanics Grammar: complex sentences, verbals Word processing and multimedia presentation Formal Research Paper: thesis, paraphrasing, note-taking, outlining, drafting, citation 	European Studies <i>Content which includes:</i> <ul style="list-style-type: none"> Literary genres: novels, poetry, drama Excerpts from European literature Public Speaking 9th grade Assembly Speech Vocabulary Study Comprehension skills Writing Process Persuasive Essays Applied writing mechanics and grammar Word processing and multimedia presentations History of Western Civilization and its Legacy: Ancient Greece, Rome, Middle Ages, Renaissance and Reformation, Enlightenment, Growth of Nations, French Revolution, 19th C, WWI, WWII, Cold War, European Union Discussion skills Geography Current Events Primary/Secondary sources Awareness of Bias / Point of View Formal Research Paper
History <i>Content which includes:</i>	<ul style="list-style-type: none"> World Studies: Middle East, Sub Saharan Africa, South and Southeast Asia, East Asia, Latin America Physical and political geography, history, culture, and current events Mapping skills Primary and Secondary sources Timelines Awareness of Bias / Point of View Research: note-taking / writing / reporting techniques (including multimedia presentations) 	
Math-1 <i>Content which includes:</i>	<ul style="list-style-type: none"> Grade-level Pre-Algebra/Beginning Algebra: points, lines, planes, angles, polygons, congruence, circles, symmetry and reflections, translations and rotations, area, volume, right triangles, probability, nonlinear functions, polynomials, solving equations and inequalities 	<ul style="list-style-type: none"> Grade-level Algebra I: solving and graphing linear equations and inequalities, and absolute value equations and inequalities, systems of equations, proportions, ratios, rates, functions, exponents, polynomials, factoring, quadratic equations
Math-2 <i>Content which includes:</i>	<ul style="list-style-type: none"> Advanced Algebra I: solving and graphing linear equations and inequalities, and absolute value equations and inequalities, systems of equations, proportions, ratios, rates, functions, exponents, polynomials, factoring, quadratic equations 	<ul style="list-style-type: none"> Advanced Geometry: properties of physical objects and shapes, proofs Similarity, congruence, parallelism, perpendicularity, Pythagorean Theorem, special right triangles, trigonometric functions, constructions, formulae for length, area, volume
Science <i>Content which includes:</i>	<ul style="list-style-type: none"> Physical Science: Speed, Velocity, Acceleration, Force, Mass, Kinetic / Potential Energy, Heat, Intro to Chemistry, Electricity, Space Program Labs and hands-on projects including model rockets, potato launchers, etc. Science Process Skills Writing Lab Reports 	<ul style="list-style-type: none"> Biology: Cells, Genetics, Evolution, Kingdoms and Classification, Invertebrates and Chordates, Plant Diversity, Introduction to the Chemistry of Biology Science Process Skills Labs and Projects Dissection
Spanish <i>Content which includes:</i>	<ul style="list-style-type: none"> Listening comprehension Daily conversation Reading and writing longer paragraphs and essays in Spanish Culture and geography of Spain and Latin America Review of basic grammar and introduction of preterite tense, and direct and indirect objects 	<ul style="list-style-type: none"> A preparation for High School Spanish 3 Further development of conversation skills Extended reading/writing practice: stories, skits, interactive activities, conversation with native speakers Grammar: seven verb tenses are covered
Latin <i>Content which includes:</i>	<ul style="list-style-type: none"> Equivalent to a typical High School Latin I course Grammar is reviewed and expanded to include noun and adjective declensions, and regular and irregular verb conjugations, etc. 	<ul style="list-style-type: none"> A preparation for High School Latin III Grammar is reviewed and expanded to include ablative absolute, voice and mood of verb tenses, participles, gerunds, etc.
Instructional Support	Support class is offered in lieu of Foreign Language to students with documented need. The class provides assistance in developing and improving basic study skills, such as learning strategies, and organizational skills, as well as review of academic material as needed.	Support class is offered in lieu of Foreign Language to students with documented need. The class provides assistance in developing and improving basic study skills, such as learning strategies, and organizational skills, as well as review of academic material as needed.
Athletics <i>Content which includes:</i>	<ul style="list-style-type: none"> Physical fitness Fair play Hand-eye, foot-eye coordination Teamwork Sport related skills: field hockey, soccer, ice hockey, volleyball, lacrosse, cross country Regular interscholastic competition Tournament play: Varsity has the opportunity to travel to 2 -3 overnight tournaments, and Upland hosts 2 tournaments 	<ul style="list-style-type: none"> Physical fitness Fair play Hand-eye, foot-eye coordination Teamwork Sport related skills: field hockey, soccer, ice hockey, volleyball, lacrosse, cross country Regular interscholastic competition Tournament play: Varsity has the opportunity to travel to 2 -3 overnight tournaments, and Upland hosts 2 tournaments
Visual Arts	<ul style="list-style-type: none"> A variety of three-dimensional art forms, working in clay, fibers, and found objects Drawing, painting, printmaking, mixed media Focus on a progression of individual skills Personal expression Observation Art appreciation Inter-disciplinary connections 	<ul style="list-style-type: none"> A variety of three-dimensional art forms, working in clay, fibers, and found objects Drawing, painting, printmaking, mixed media, and mosaic Focus on a progression of individual skills Personal expression Observation Art appreciation Inter-disciplinary connections
Performing Arts (Drama & Music)	<ul style="list-style-type: none"> Drama: Diction, projection, characterization, improvisation, theater games, public speaking, concentration, self-discipline, performing Music: Singing, performing on instruments, melody and rhythm, reading music, music terminology, form, Rock & Roll Interdisciplinary connections 	<ul style="list-style-type: none"> Drama: Diction, projection, characterization, improvisation, theater games, public speaking, concentration, self-discipline, performing Music: Singing, performing on instruments, melody and rhythm, reading music, music terminology, form, composition Interdisciplinary connections
		9th Grade Independent Study An elective year-long portfolio project designed by the student to explore and showcase a personal interest which falls outside the regular school curriculum. The student works closely with the head of school.
Activities	Each marking period, students in grades 6-9 choose from a variety of offerings. Activity electives have included iMovie, baking, aviation, digital art, chess, and drama, to give a few examples.	Each marking period, students in grades 6-9 choose from a variety of offerings. Activity electives have included iMovie, baking, aviation, digital art, chess, and drama, to give a few examples.
Trips have included:	<ul style="list-style-type: none"> Overnight trip: Camp Mason, NJ (team-building focus) In alternate years, boys or girls from 8th and 9th grade travel to Finland during spring break 	<ul style="list-style-type: none"> Overnight trip: Blue Ridge, VA (team-building focus) In alternate years, boys or girls from 8th and 9th grade travel to Finland during spring break

