

Upper Elementary Level: Ages 9-12

Language Arts	Math	Science	Practical Life	Cultural Studies	Research and Technology
<p>Reading skills</p> <ul style="list-style-type: none"> • Interpretive reading for comprehension • Classical children's literature • Literature circles <p>Cursive handwriting</p> <p>Advanced grammar and sentence analysis</p> <ul style="list-style-type: none"> • Parts of speech • Subject/Predicate • Direct/Indirect object • Adjectival modifiers • Adverbial modifiers <p>Word study/Mechanics</p> <ul style="list-style-type: none"> • Capitalization • Punctuation • Prefix/Suffix • Homonyms • Etymology <p>Literary elements</p> <ul style="list-style-type: none"> • Genre • Setting • Plot • Theme • Conflict/resolution • Climax • Character analysis <p>Spelling</p> <p>Vocabulary</p>	<p>Math fact memorization</p> <p>Concrete to abstract in all operations</p> <p>Fractions</p> <ul style="list-style-type: none"> • Comparing • Reducing/Simplifying • Mixed, proper/improper • Operations <p>Decimals</p> <ul style="list-style-type: none"> • Comparing and converting • Operations <p>Percent</p> <ul style="list-style-type: none"> • Conversions • Operations <p>Practical applications in single and multi-step problem solving</p> <p>Time: equivalent and operations</p> <p>Money: equivalent and operations</p> <p>Beginning statistics: data gathering, graphing, and analysis</p> <p>Ratios and proportions</p> <p>Number theory</p> <ul style="list-style-type: none"> • Place value • Factors/Multiples • Primes/Composites • Rounding/Estimation • Exponential • Scientific Notation • Roots <p>Pre-algebra</p> <ul style="list-style-type: none"> • Order of operations • Integers • Rational Numbers <p>Geometry</p>	<p>Scientific method and experiments</p> <p>Life Science</p> <ul style="list-style-type: none"> • Kingdoms of life • Animal/Plant classification • Structure/Function of internal/external parts • Life cycles • Ecology <p>Human body</p> <ul style="list-style-type: none"> • Cells • Tissues • Organs • Systems • Health and nutrition <p>Earth science</p> <ul style="list-style-type: none"> • Solar system • Weather • Astronomy • Oceanography • Geology and mineralogy <p>Physical science</p> <ul style="list-style-type: none"> • Gravity • Magnetism • Light • Sound • Electricity • Motion • Heat <p>Science Fair</p>	<p>Community meetings</p> <ul style="list-style-type: none"> • Conflict resolution • Respect for self, others, and environment <p>Grace and courtesy</p> <ul style="list-style-type: none"> • Manners • Classroom protocol • Greeting and Introductions • Care of indoor and outdoor environments <p>Community service</p> <ul style="list-style-type: none"> • Class jobs • Recycling • Social conscience and community projects <p>Field Studies: related curricular studies</p> <p>Environmental trips</p> <ul style="list-style-type: none"> • Team building activities • Interdisciplinary studies <p>Time management</p> <ul style="list-style-type: none"> • Planning skills • Work organization 	<p>History</p> <ul style="list-style-type: none"> • Creation of the universe • Evolution of life and early humans • Fundamental needs of humans <p>Civilizations</p> <ul style="list-style-type: none"> • Ancient civilizations <ul style="list-style-type: none"> • Mesopotamia and Egyptian • Greeks and Romans • Americas <ul style="list-style-type: none"> • Native Americans • Early explorers • Colonization • American Revolution • Westward expansion <p>Geography</p> <ul style="list-style-type: none"> • Physical geography <ul style="list-style-type: none"> • Continents • Countries • Advanced land and water forms • Biomes of the world • Cultural geography <ul style="list-style-type: none"> • Regions • Cultures • Economic geography <ul style="list-style-type: none"> • Natural resources • Imports/Exports <p>Multicultural Fair</p>	<p>Big 6 Research Model</p> <ul style="list-style-type: none"> • Identifying topics: key words, 5 Ws, source selection • Locating sources: call numbers, digital search databases, Dewey • Extracting information <ul style="list-style-type: none"> • Using key words and headers • Fact/opinion • Reading tables and graphs • Plagiarism and copyright • Trash and treasure/Skim and scan • Dot note taking • Synthesizing data <ul style="list-style-type: none"> • Graphic organizers, charts, tables • Flip books, fan books, pop-ups • Alternative delivery methods • Self/ peer evaluation, surveys <p>Selecting and using reference books</p> <ul style="list-style-type: none"> • Dictionaries and thesaurus: parts of speech, etymologies, definitions • Almanacs • Atlas: map types, scale, cardinal directions, latitude/longitude • Encyclopedia: indices, articles, guide words, headers/subheaders <p>Basic keyboarding and Microsoft Word</p> <p>Digital timelines</p> <p>Online Britannica and online citations</p> <p>Basic internet usage: key words, hyperlinks, online dictionaries, URLs</p>

Writing	Spanish	Phys. Education	Fine Arts	Music	Geometry
<p>Multi-step writing process Prewriting activities, rough draft, editing, revision, final draft</p> <p>Compositions:</p> <ul style="list-style-type: none"> • Creative • Expository • Descriptive • Narrative • Persuasive • Compare/Contrast • Five paragraph essay <p>Book Reviews Writing Journal Letter Writing Poetry</p>	<p>Students are assessed regularly and grouped by ability in reading, writing, and conversational Spanish</p> <p>Vocabulary Sentence formation Verb conjugation Verb tenses Common phrases Dialogue creation and reading Mesoamerica Hispanic culture</p>	<p>Cardiovascular activities (i.e. pacing) Strength and Flexibility exercises Cooperative games Foster good sportsmanship Team Sports Team-building Lifetime activities</p> <ul style="list-style-type: none"> • Bowling • Skating • Aerobics • Dancing 	<p>Elements</p> <ul style="list-style-type: none"> • Color (primary, secondary, tertiary) • Value • Texture • Shape • Form • Space • Line <p>Design Principles</p> <ul style="list-style-type: none"> • Unity (related to Harmony) • Emphasis • Balance (related to Proportion) • Variety • Repetition (related to Rhythm, Movement, Pattern) <p>Use of a variety of media Study of Artists and art history Visual Literacy “Reading” art for Information</p>	<p>Creating complex folk dances Time Periods of music and major composers Singing major, minor, and modal folk songs Sight-reading major and minor melodies using solfege and absolute note names Notating known complex melodic and rhythmic patterns in staff notation Playing three or more part folk song arrangements on barred instruments Playing three or more part complimentary rhythms on un-pitched instruments</p>	<p>Advanced study of nomenclature Geometric shapes: characteristics, measurement, and drawing</p> <p>Concepts</p> <ul style="list-style-type: none"> • Points, lines, and angles • Surface and solids <p>Properties</p> <ul style="list-style-type: none"> • Triangles and quadrilaterals • Polygons and circles <p>Congruence, similarity, equality, equivalence, symmetry Calculation: perimeter, area, volume Theorem of Pythagoras Measurement</p> <ul style="list-style-type: none"> • Length, weight, and capacity • Customary and metric