

Primary Level: Ages 3-6

Language Arts	Math	Practical Life	Research and Technology	Physical Education	Cultural Studies
<p>Oral expression</p> <ul style="list-style-type: none"> • Listening • Communication skills that include adequate verbal expression • Articulation • Vocabulary enrichment • Speaking in front of peers • Show and tell • Student presentations <p>Reading</p> <ul style="list-style-type: none"> • Phonetic sounds and names of letters • Word building skills • Decoding 3-4 letter words • Sight words • Phonograms <p>Literature discussions</p> <ul style="list-style-type: none"> • Listening skills • Read aloud sessions of fiction, non-fiction and poetry <p>Writing</p> <ul style="list-style-type: none"> • Simple compositions and creative stories • Pencil control • Correct letter formation and spatial considerations (D'Nealian manuscript) • Simple research in conjunction with library and/or cultural activities • Beginning punctuation 	<p>Number recognition</p> <p>Concrete materials to explore place value – units, tens, hundreds, thousands</p> <p>Sequencing place value</p> <p>Concrete materials to perform operations</p> <ul style="list-style-type: none"> • Addition • Subtraction • Multiplication • Division <p>Written numerals 1-1000</p> <p>Skip counting</p> <p>Even and odd numbers</p>	<p>Dressing independently</p> <p>Purposeful activities: polishing, dusting, table washing, food preparation</p> <p>Exercises for increasing sense of order, movement from left to right, completion of activities, and returning activities to shelf</p> <p>Exercises for increasing ability to concentrate</p> <p>Development of logical thought process</p> <p>Exercises for control of movement</p> <ul style="list-style-type: none"> • Gross and fine motor • Hand-eye coordination <p>Care of indoor/outdoor environments</p> <p>Gardening</p>	<p>Sequencing</p> <ul style="list-style-type: none"> • Alphabetical and numeric <p>Color coding</p> <p>Library etiquette</p> <p>Basic parts of a book</p> <p>Big 6 research model</p> <ul style="list-style-type: none"> • Identifying basic topics • Locating sources <ul style="list-style-type: none"> • Introduction to call numbers • Basic card catalog • Extracting information <ul style="list-style-type: none"> • Identifying key words and headers • Using a fact box • Using a table of contents • Synthesizing data <ul style="list-style-type: none"> • Sequencing charts <p>Reference books</p> <ul style="list-style-type: none"> • Dictionaries • Atlas • Field guide <p>Non-fiction books</p>	<p>Gross motor and fine motor movement</p> <p>Body control and coordination in and out of the classroom</p> <p>Recreated movement and structured space in a series</p> <p>Laterality, directionality and spatial awareness</p> <p>Kinesthetic awareness</p> <ul style="list-style-type: none"> • Auditory • Balance • Cooperation • Eye/Hand coordination • Motor planning • Perceptual motor skills <p>Tactile awareness</p>	<p>The calendar</p> <p>Days of the week</p> <p>Months of the year</p> <p>Seasons</p> <p>Telling time to the hour</p> <p>Globe as earth's shape</p> <p>Continents</p> <p>Countries in North America</p> <p>U.S. states</p> <p>Flag study</p> <p>State research</p> <p>Land and water forms</p> <p>Map making skills</p>
Science	Fine Arts	Sensorial	Music	Spanish	Grace and Courtesy
<p>Classification: living and non-living</p> <p>Classification: vertebrate and invertebrate</p> <p>Classification: vertebrate classes</p> <p>External parts of vertebrates</p> <p>Parts of a plant</p> <p>Classification: magnetic and non-magnetic</p> <p>Basic gardening experience</p> <p>Simple experiments</p>	<p>Exploration of mediums</p> <p>Elements of art</p> <ul style="list-style-type: none"> • Shape • Color • Texture 	<p>Identification, comparison, gradation of colors, shapes, and sizes, and other qualities</p> <p>Sensorial exploration of plane figures, geometric solids, and regular polygons</p>	<p>Locomotor and non-locomotor movement</p> <p>Feeling a steady beat</p> <p>Vocal exploration through speaking and singing</p> <p>Pitched and un-pitched instruments and their different sounds</p> <p>Tuneful singing of simple, age appropriate fold song repertoire (pentatonic)</p> <p>Pitch matching</p>	<p>Basic vocabulary</p> <ul style="list-style-type: none"> • Animals • Family members • Colors • Clothing • Days, months, seasons <p>Responding to common personal questions and commands</p> <p>Spanish songs</p>	<p>Manners</p> <p>Classroom protocol</p> <p>Visitors</p> <p>Meal etiquette</p> <p>Introductions and greetings</p>

Lower Elementary Level: Ages 6-9

Language Arts	Math	Science	Cultural Studies	Spanish	Research and Technology
<p>Great Lesson: The Story of Language</p> <p>Literature circles: all genre</p> <p>Caldecott reading program</p> <p>Reading</p> <ul style="list-style-type: none"> Decoding Skills Comprehension <ul style="list-style-type: none"> Sequencing Main idea Details Vocabulary Drawing conclusions Making inferences Cause and effect <p>Handwriting</p> <ul style="list-style-type: none"> D'Nealian manuscript D'Nealian cursive <p>Grammar/sentence analysis</p> <ul style="list-style-type: none"> Basic parts of speech Subject and predicate <p>Word study skills</p> <ul style="list-style-type: none"> Alphabetical order Synonyms/Antonyms Prefixes/Suffixes Contractions Compound words Homonyms Plurals 	<p>Great lesson: The story of numbers</p> <p>Concrete and abstract work in all operations</p> <p>Place value</p> <p>Money</p> <p>Time</p> <p>Arithmetic math facts</p> <p>Study of binomials</p> <p>Fractions</p> <ul style="list-style-type: none"> Simple operations Equivalencies <p>Measurement: length and temperature, standard and metric</p> <p>Word problems: all operations</p> <p>Algebra: concrete materials</p> <p>Number relationships</p> <ul style="list-style-type: none"> Estimation/Rounding >, <, = <p>Graphs/ data interpretation</p> <p>Geometric plane figures</p> <ul style="list-style-type: none"> Circles Squares and rectangles Triangle Quadrilaterals Polygons Curved figures <p>Study of geometric solids</p> <p>Basic concepts of lines and angles</p> <p>Measurement: perimeter</p>	<p>Physical Science</p> <ul style="list-style-type: none"> Experiments relative to the formation of the universe and earth States of matter Gravity Temperature Density Chemical reactions Properties of water Magnetism Simple machines <p>Zoology</p> <ul style="list-style-type: none"> Vertebrate and invertebrate classification, characteristics, and internal/external parts Animal kingdom <p>Botany</p> <ul style="list-style-type: none"> Parts of plant - advanced Experiments Botany charts Plant kingdom Vegetable and flower gardening <p>Anatomy</p> <ul style="list-style-type: none"> Parts of the body Systems of the body 	<p>History</p> <ul style="list-style-type: none"> Great lesson: formation of the universe Clock of eras Timeline of life Study of the calendar Fundamental needs of humans BC/AD timeline <p>Geography</p> <ul style="list-style-type: none"> Physical <ul style="list-style-type: none"> Land and water forms Biomes Functional <ul style="list-style-type: none"> Sun, moon, planets and atmospheres Volcanoes Rocks and minerals Earth studies Political <ul style="list-style-type: none"> Flags Countries States Capitals <p>Maps, globes, and graphs</p>	<p>Vocabulary</p> <ul style="list-style-type: none"> Days of the week Seasons Animals Transportation Clothing Family members Parts of the body Math terms The city Numbers Colors Professions Around the house <p>Simple sentence structure</p> <p>Reading along with the teacher.</p> <p>Hispanic culture.</p> <p>Native Spanish speakers</p> <ul style="list-style-type: none"> Grammar Pronunciation Develop reading comprehension skills Puppet shows Letter writing Writing poetry 	<p>Parts of a book</p> <ul style="list-style-type: none"> Table of contents and indices Glossary Captions Fact boxes <p>Big 6 research model</p> <ul style="list-style-type: none"> Identifying topics: 5 W's Locating sources <ul style="list-style-type: none"> Call numbers Basic card catalog (Dewey) Extracting data <ul style="list-style-type: none"> Key words and headers Reading tables Synthesizing data <ul style="list-style-type: none"> Sequencing charts Visual organizers Bar charts/ tables Flip, fan, pop-up books <p>Reference books</p> <ul style="list-style-type: none"> Dictionaries/Thesaurus Atlas Field guide Encyclopedia <p>Non-fiction books/biographies</p> <p>Database book searches</p> <p>Basic keyboarding</p> <p>Digital timelines</p> <p>Microsoft Word</p> <p>Online Britannica for Elementary Students</p>
Writing	Physical Education	Fine Arts	Practical Life	Theatre	Music
<p>Writing process</p> <ul style="list-style-type: none"> Five-step writing process for composition Prewriting activities, rough drafts, revision, editing, final draft <p>Compositions</p> <ul style="list-style-type: none"> Reports Creative writing Poetry <p>Mechanics of writing</p> <ul style="list-style-type: none"> Spelling: Capitalization Punctuation <p>Usage</p>	<p>Gross motor movement</p> <p>Cardiovascular activities</p> <p>Flexibility</p> <p>Sportsmanship</p> <p>Cooperative games</p> <p>Team sports</p> <ul style="list-style-type: none"> Flag football Basketball Volleyball Baseball/Softball <p>Lifetime activities</p> <ul style="list-style-type: none"> Skating Bowling Aerobics Dancing C'motion 	<p>Elements</p> <ul style="list-style-type: none"> Color (primary, secondary, tertiary) Value Texture Form and dimension Line and shape <p>Study of artists</p> <p>Use of a variety of media</p> <p>Art principles</p> <ul style="list-style-type: none"> Unity Emphasis Balance Variety Movement and proportion <p>Art history and evaluation</p>	<p>Care of indoor and outdoor environments</p> <p>Grace and courtesy</p> <p>Overnight experience (lock in)</p> <p>Public (field trip) etiquette</p>	<p>Reader's Theatre</p> <ul style="list-style-type: none"> Multicultural Mythology Legends/Folktales <p>Day of Drama</p>	<p>Underlying steady beat of:</p> <ul style="list-style-type: none"> Rhyme Song Recorded musical selections <p>Sequencing movement with a partner or group in beginning folk dances</p> <p>Movement with objects to a steady beat</p> <p>Creative expression in movement</p> <p>Singing pentatonic and diatonic melodies</p> <p>Reading and notating simple rhythm patterns</p> <p>Notating known pentatonic melodies in staff notation</p> <p>Simple accompaniments on pitched Orff instruments</p> <p>Simple rhythm patterns on pitched and un-pitched instruments</p>

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 • World's classical children's literature • Literature circles <p>Handwriting: routine use of proper cursive</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 • Plot • Theme • Conflict/resolution • Climax • Character analysis • Setting <p>Vocabulary</p> <p>Spelling</p>	<p>Math fact memorization</p> <p>Concrete to abstract in all operations</p> <p>Fractions</p> <ul style="list-style-type: none"> • Comparison and operations • Mixed, proper/improper • Reducing/Simplifying <p>Decimals</p> <ul style="list-style-type: none"> • Comparisons and operations • Percentages <p>Practical applications in single and multi-step problem solving</p> <p>Time: equivalent and operations</p> <p>Money: equivalent and operations</p> <p>Interest: principal, rate, time</p> <p>Computing squares and cubes of binomials and trinomials</p> <p>Calculating square and cube roots</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"> • Divisibility rules • Factors • Multiples • Primes • Composites • Estimation • Basic mathematical laws <p>Pre-algebra</p> <ul style="list-style-type: none"> • Symbols and order of operations • Negative numbers 	<p>Life Science</p> <ul style="list-style-type: none"> • Kingdoms of life • Animal/Plant classification • Structure/Function of internal and external parts and systems • Ecology • Cell theory • Life cycles <p>Human body</p> <ul style="list-style-type: none"> • Senses • 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>Experiments and scientific method</p>	<p>Community meetings</p> <ul style="list-style-type: none"> • Conflict resolution • Respect for self, peers, and environment <p>Grace and courtesy</p> <ul style="list-style-type: none"> • Manners • Classroom protocol • Visitors • Care of indoor and outdoor environments <p>Community service</p> <ul style="list-style-type: none"> • Daily 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 and work organization 	<p>History</p> <ul style="list-style-type: none"> • Fundamental needs of humans • Creation of the universe <p>Evolution of life and early humans</p> <p>Civilizations</p> <ul style="list-style-type: none"> • Ancient civilizations <ul style="list-style-type: none"> • Mesopotamia and Egypt • Greece and Rome • Mesoamerica • North/South America <ul style="list-style-type: none"> • Native Americans • American 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 • Natural resources • Economic geography <ul style="list-style-type: none"> • Natural resources • Imports/Exports • Multicultural fair 	<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 • Surveys and checklists • 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 for composition</p> <p>Prewriting activities, rough draft, revision,, editing, final draf</p> <p>Compositions:</p> <ul style="list-style-type: none"> • Paragraph form • Creative writing • Expository writing • Descriptive • Narrative • Persuasive • Five paragraph essay <p>Writing Journal</p> <p>Letter Writing</p> <p>Poetry</p>	<p>Vocabulary</p> <p>Sentence formation</p> <p>Verb conjugation</p> <p>Verb tenses</p> <p>Common phrases</p> <p>Dialogue creation and reading</p> <p>Hispanic culture</p> <p>Native speakers</p> <ul style="list-style-type: none"> • Current events • Short story reading and comprehension • Spanish word definitions <p>Grammar through written work</p>	<p>Cardiovascular activities (i.e. pacing)</p> <p>Introduction to core strengthening</p> <p>Cooperative games</p> <p>Increase flexibility</p> <p>Foster good sportsmanship</p>	<p>Art principles and elements</p> <p>Expression through art materials and tools</p> <p>Design, development and creation of original artworks</p> <p>Use of a variety of media</p> <p>Art history</p> <p>Exploring art and artists through visuals and visitations</p> <p>Evaluating artwork (students and major artists)</p>	<p>Moving the body in integrated ways in folk dances</p> <p>Reading and notating simple and complex rhythm patterns</p> <p>Sight-reading pentatonic and extended pentatonic melodies using solfege and absolute note names in F, C, and G</p> <p>Playing simple accompaniments and melodies on pitched Orff instruments</p> <p>Playing simple rhythms on un-pitched instruments</p> <p>Vocal care and maintenance</p>	<p>Advanced study of nomenclature</p> <p>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</p> <p>Calculation: perimeter, area, volume</p> <p>Theorem of Pythagoras</p> <p>Measurement: length, weight, capacity, metric, and customary</p>

Middle School Level: Ages 12-14

Language Arts	Writing	Math	Science	Research and Technology	Cultural Studies
<p>Reading</p> <ul style="list-style-type: none"> • Interpretive reading for comprehension • Library books for research and pleasure • Literature genre • Character studies • Book talks • Literary elements • Texas Lone Star books <p>Literature Discussions</p> <ul style="list-style-type: none"> • Listening skills • Speaking with clarity, confidence, fluency • Drawing conclusions • Making inferences <p>Grammar Analysis</p> <ul style="list-style-type: none"> • Parts of speech • Compound/complex sentence structure • Diagramming • Clauses/Tenses/Moods • Transitive/Intransitive verbs • Punctuation and capitalization • Connotation and Denotation <p>Word study</p> <ul style="list-style-type: none"> • Vocabulary • Analogies • test-taking strategies 	<p>Pre-writing activities, rough draft, revision, editing, final draft</p> <p>Compositions</p> <ul style="list-style-type: none"> • Multi-step writing process • Five paragraph essay • Narrative • Compare and contrast • Cause and effect • Short story • Poetry • Persuasive • Descriptive • Term papers <p>Mechanics of writing</p> <ul style="list-style-type: none"> • Capitalization • Usage • Punctuation • Spelling • Syntax • Transitions • Word choices <p>Peer editing: mechanics, content, purpose, and audience</p> <p>Publishing</p> <ul style="list-style-type: none"> • Oral presentation • Newsletters • Artistic displays • Exhibits <p>Journal/Reading responses</p> <ul style="list-style-type: none"> • Free writing • Literary response notes 	<p>Pre Algebra</p> <ul style="list-style-type: none"> • Decimals/fractions • Ratios/Percentages • Proportions • Statistics • Algebraic integers and expressions • Probability • Data analysis <p>Geometry</p> <ul style="list-style-type: none"> • Introductory – Points, Lines, Planes • Shapes • Angles • Area and volume <p>Algebra (equivalent to Pre-AP)</p> <ul style="list-style-type: none"> • Integers and operations • Linear equations • Polynomials • Factoring • Quadratic equation • Coordinate geometry • Two variable equations • Inequalities • Exponents • Rational/Radical expressions • Pythagorean theorem 	<p>Physical Science</p> <ul style="list-style-type: none"> • Measuring mass, volume and density of all matter phases • Data collection and graphing • Changing states of matter • Fluids and vacuums • Temperature and heat • Specific heat • Caloric measurement of heat • Light, filters and color • Sunlight and the spectrum • Reflection/Refraction of light • John Dalton’s atomic theory • Crystal growing • Balancing chemical equations • Relative atomic/molecular mass • Structure of the atom and cell <p>Ecology</p> <ul style="list-style-type: none"> • Changes over time in a small area • Seed scarification and the controlled • Soil composition • Water in soil • The Edwards Aquifer • Meteorology • Sunlight and green plants • Energy in plants • The components of biomass • Sunlight, chlorophyll and the production of carbohydrates • Organisms that produce and consume 	<p>Big 6 Research Method</p> <ul style="list-style-type: none"> • Identifying topics • Locating sources <ul style="list-style-type: none"> • Call numbers • Digital search databases • Dewey Decimal System • URL decomposition • Boolean searches • Validating and selecting internet sites • Primary and secondary sources • MLA parenthetical citations • Extracting information: digital note taking • Synthesizing data <ul style="list-style-type: none"> • Graphic organizers • Charts, graphs, maps, and tables • Digital presentations • MLA formatting • Self/ peer evaluation, feedback forms <p>Computer basics</p> <p>Basic keyboarding</p> <p>Digital timelines</p> <p>Easybib and Citation Machine</p> <p>Microsoft Word , Excel, Powerpoint, Picture Manager, and Publisher</p> <p>Online Britannica and online citations</p> <p>Online dictionaries, thesaurus, and quotes</p>	<p>Middle Ages</p> <ul style="list-style-type: none"> • Early writings, art and religion • Centers for learning/monasteries • Charlemagne • Vikings • Feudalism and the manorial system • Peasant life and nobility • Norman conquest • Role of the church as state • The crusades • Arab civilization • 12th century cultural revolution • Towns and trade <p>Renaissance</p> <ul style="list-style-type: none"> • The Medici • Venice • Leonardo Di Vinci/Michelangelo • Age of exploration • Growth of banking/commerce • The Protestant reformation • England’s “golden age” <p>U.S. history and government</p> <ul style="list-style-type: none"> • History in artifact • Types/Branches of governments • Colonial life • Famous Americans • Revolutionary War • Constitution and the Bill of Rights • Expansion and immigration • The Civil War <p>Small group seminar discussions</p> <ul style="list-style-type: none"> • Literature (novels) • Study of historic classics • Current events <p>Geography : regions, cultures, map skills, countries</p> <p>Presentations: Visual, oral, research papers</p>
Spanish	Physical Education	Practical Life	Fine Arts and Theatre	Research and Technology	Music
<p>Survival Spanish</p> <p>Translate dialogues from English to Spanish</p> <p>Paragraph development</p> <ul style="list-style-type: none"> • Describe people • Give/receive directions • Shopping/Ordering <p>Cultural research and presentation</p> <p>Dialects</p> <p>Native speaker tutoring</p>	<p>Cardiovascular activities (i.e. pacing, heart rate and endurance)</p> <p>Introduction to strength training</p> <p>Cooperative games</p> <p>Speed training</p> <p>Nutrition</p> <p>Increasing flexibility</p> <p>Sportsmanship</p>	<p>Socratic seminars</p> <p>Community meals</p> <p>Community service</p> <p>Grace and courtesy Protocol</p> <ul style="list-style-type: none"> • Class meetings • Group discussions • Visitors/ Dignitaries 	<p>Everything in elementary plus:</p> <p>Use of a variety of media</p> <p>Applying aesthetic judgments and art criticism</p> <p>Exploring art careers</p> <p>Full-production Shakespearean plays: Much Ado about Nothing, A Midsummer Night’s Dream</p>	<p>Feels the underlying steady beat of a rhyme, song or recorded musical selection/ walks to that steady beat</p> <p>Sequences movement with a partner or group in advance beginning and intermediate folk dances</p> <p>Can move the body in integrated ways in folk dances</p> <p>Sings pentatonic and diatonic melodies in tune</p>	<p>Reads and notates simple and complex rhythm patterns</p> <p>Sight-reads pentatonic and diatonic unison and two-part melodies using solfege</p> <p>Plays accompaniments to folk songs on pitched and un-pitched Orff instruments</p> <p>Study of the vocal mechanism, vocal care and maintenance, and symptoms of vocal abuse</p>