

# Hill Country Montessori Curriculum Roadmap



## Lower Elementary

*Lower Elementary is characterized by the curious mind. Children begin to question more deeply and are hungry to find answers to complicated questions. They begin to take notice of their surroundings and have a great interest in the complexities far beyond their home or school, but of the universe as a whole. This age group is concerned with fairness and justice. Their journey begins with concrete materials and makes leaps to abstractions of complex understandings.*

<b>FIVE GREAT LESSONS</b>	<ul style="list-style-type: none"> <li>Exciting lessons designed to awaken a child's imagination and curiosity</li> <li>Awe and wonder of the human spirit</li> </ul>	<ul style="list-style-type: none"> <li>Lesson 1: Coming of the Universe and the Earth</li> <li>Lesson 2: Coming of life</li> <li>Lesson 3: Coming of the human beings</li> </ul>	<ul style="list-style-type: none"> <li>Lesson 4: The story of writing</li> <li>Lesson 5: The story of numbers</li> </ul>
<b>MATH</b>	<ul style="list-style-type: none"> <li>Place value and numeration</li> <li>Concept &amp; process in operations of +, -, x, ÷</li> <li>Multiplication-abstraction</li> <li>Multiplication-fact memorization</li> <li>Division-abstraction</li> <li>Division-fact memorization</li> </ul>	<ul style="list-style-type: none"> <li>Multiples</li> <li>Factors</li> <li>Word problems +, -</li> <li>Powers of numbers</li> <li>Squaring</li> <li>Measurement</li> <li>Graphs and coordinates</li> </ul>	<ul style="list-style-type: none"> <li>Cross multiplication</li> <li>Cubing</li> <li>Skip counting</li> <li>Order of operations</li> <li>Fraction operations +, -, x, ÷</li> <li>Fraction equivalence</li> <li>Decimal numeration</li> </ul>
<b>GEOMETRY</b>	<ul style="list-style-type: none"> <li>Polygons</li> <li>Quadrilaterals</li> <li>Curved Figures</li> <li>Equality, congruence, similarity, equivalences</li> <li>Names of geometric solids</li> </ul>	<ul style="list-style-type: none"> <li>Basic concepts: point, line, surface, and solid</li> <li>Study of lines: parts of lines; positions of one straight line; relations of two straight lines</li> <li>Names of plane figures including triangles &amp; polygons</li> </ul>	<ul style="list-style-type: none"> <li>Study of angles: whole, straight, right, acute, obtuse; convex/reflex angles; angles formed by a transversal</li> <li>Using constructive triangles to create various quadrilaterals</li> <li>Detailed study of triangles</li> </ul>
<b>LANGUAGE ARTS</b>	<ul style="list-style-type: none"> <li>Phonetic and sight reading</li> <li>Phonograms</li> <li>Reading comprehension</li> <li>Function of words – nouns, adjectives, pronouns, verbs, adverbs, prepositions, conjunctions, interjections</li> <li>Verb tenses</li> <li>Sentence study</li> <li>Cursive penmanship</li> </ul>	<ul style="list-style-type: none"> <li>Word study – alphabetizing, compound words, classifying, antonyms, rhyming, suffix, prefix, contractions, homonyms, plurals</li> <li>Literature discussion groups</li> <li>Poetry and creative writing</li> <li>Advanced study of verb family and pronouns, including verbals, mood, verb forms and voice</li> </ul>	<ul style="list-style-type: none"> <li>Literary elements – character analysis, setting, plot, etc.</li> <li>Letter writing</li> <li>Using a thesaurus, dictionary</li> <li>Spelling rules</li> <li>Writing process – essays and non-fiction</li> <li>Critical thinking</li> <li>Logical thought process</li> <li>Presentation skills</li> </ul>
<b>HISTORY &amp; GEOGRAPHY</b>	<ul style="list-style-type: none"> <li>Passage of time</li> <li>Timeline of life</li> <li>World geography</li> <li>The appearance and significance of humans</li> <li>Landforms, advanced landforms</li> <li>Country research</li> </ul>	<ul style="list-style-type: none"> <li>North American natural history and geography</li> <li>Globes, continents, oceans</li> <li>Timeline of early humans – lifestyle and contributions of early human cultures</li> <li>History of flags</li> <li>Biomes around the world</li> </ul>	<ul style="list-style-type: none"> <li>Timeline of modern humans – lifestyle and contributions of early Homo sapiens</li> <li>Study of ancient civilizations – India, Mesopotamia, Egypt, Africa, Greece, Rome, Mayans, Aztecs, Middle Ages, Renaissance</li> </ul>
<b>SCIENCE</b>	<ul style="list-style-type: none"> <li>Laws of the Universe</li> <li>Constellations</li> <li>Planet research</li> <li>Day and night</li> <li>Classification of the five kingdoms of life</li> <li>Animal and plant classification</li> </ul>	<ul style="list-style-type: none"> <li>Life cycles</li> <li>Vital functions of animals – nutrition, respiration, circulation, sensitivity, movement, reproduction</li> <li>Vital functions of plants – nutrition, respiration, circulation, sensitivity, movement, reproduction</li> </ul>	<ul style="list-style-type: none"> <li>Intro to taxonomy</li> <li>Simple machines</li> <li>Chemistry/states of matter</li> <li>Heat/light</li> <li>Sound</li> <li>Magnetism</li> <li>Weather</li> <li>Geology</li> </ul>
<b>PRACTICAL LIFE (LIFE SKILLS)</b>	<ul style="list-style-type: none"> <li>Time management</li> <li>Note taking</li> <li>Organization</li> <li>Critical thinking</li> </ul>	<ul style="list-style-type: none"> <li>Logical thought process</li> <li>Prioritizing</li> <li>Problem solving</li> </ul>	<ul style="list-style-type: none"> <li>Project development</li> <li>Conflict resolution</li> <li>Collaborative thinking</li> </ul>