The following is an overview of the Montessori curriculum for Upper Elementary (4th-5th years). This is a sample scope for a given school year and is a partial list of units of study; each area of the curriculum has a sequence of approximately 100 lessons taught over a period of two years. As this is a continuum, students progress through the curriculum in small groups, but at their own pace depending on their development and readiness for lessons. In the 2019-2020 school year, a 6th year option will be piloted for students who demonstrate an affinity toward more self-directed, independent learning.

**Mathematics**
- Four Operations with Whole Numbers
- Math Facts using the Decanomial Material
- Powers
- Rules of Divisibility
- Factors, Multiples, and Prime Numbers
- Greatest Common Factors and Least Common Multiples
- Fraction Equivalency
- Four Operations with Fractions
- Decimals and Powers of Ten
- Changing Fractions to Decimals and Back Again
- Comparing and Ordering Decimals
- Four Operations with Decimals
- Percents and Ratios
- Relationships and Equivalencies of Fractions, Decimals, Percentages
- Graphing
- Word Problems
- Problem Solver Series

**Geometry**
- Study of Lines
- Study of Angles
- Measuring and Constructing Angles
- Study of Triangles
- Study of Quadrilaterals
- Study of Regular and Irregular Polygons
- Diagonals and Lines of Symmetry
- Measuring Perimeter and Area
- Study of the Circle
- Determining Radius and Circumference
- Congruent and Equivalent Figures
- Determining Volume of Various Figures

**Language**
- Grammar: Advanced Functions of Parts of Speech, Sentence Analysis, Symbolizing, Sentence Diagramming
- Reading Comprehension and Vocabulary Development: Book Club, S.R.A. Reading Laboratory Program, Wordly Wise 3000
• Spelling: Instructional Level Spelling Program
• Word Study: Compound Words, Prefixes, Roots, and Suffixes, Antonyms and Synonyms, Homophones, Homonyms, Homographs
• Note-Taking and Writing Development: Bullet Points, Paraphrasing, Organization, Topic Sentences, Introductions, Conclusions, Editing, Outlining
• Types of Writing: Creative, Letter, Descriptive, Research, Narrative, Expository, Persuasive, Personal Reflections, Quote Reflections, Writing Prompts
• Poetry: Concrete, Diamante, Haiku, Free Verse, Acrostic, Going Inside, Chant, Cinquain, Couplet
• Dictionary and Thesaurus Use
• Oral Presentations
• Computer Skills

Culture
• Physics: Newton’s Three Laws of Motion, Forces, Simple Machines
• Chemistry: States of Matter, Periodic Table of Elements, Chemical Reactions
• Geography: Seasons, Tides
• Study of Maps, Imaginary Lines
• Biomes, Geologic Landforms
• Overview of Seven Continents, Countries and Major Cities, States and Capitals
• Research Writing on Areas of Interest
• Study of Mexico– Culture, Language, Food, History, Holidays, Topography, Biomes

Specials
• Studio Art
• Music: Strings, Chorus
• Theater: Improvisation, Creative Movement
• Foreign Language: Spanish
• Health and Wellness: Tennis, Swimming, Dance

Practical Life
• School Garden: Ordering Seeds, Planting Seeds, Transplanting, Weed and Pest Maintenance, Watering, Harvesting, Drying
• Community Service: Volunteering in Other Classrooms, Caring for the Environment, Fundraising for Special Causes, “Going Out” Experiences
• Self Care: Nutrition, Mindfulness, Communication, Conflict Resolution, Organization
• Study Skills: Daily and Weekly Planners, Homework, Preparing for Standardized Testing and Exams