

OAKDALE MONTESSORI

“Taking Education one step further”



Elementary

6-12 Years

In the first plane of development, between birth and six years, a child is like a sponge absorbing at a rate and in a way that is not equaled again. There are sensitive periods for order, language, refinement of the senses and movement. It is characterised by concrete thinking. The child grows physically but the fundamental character of the person is also formed at this time. The child's independence grows and thus the motivation to achieve a sense of "I can do it myself!" The child is free to work independently within a structured environment doing real activities with an intelligent purpose. The children advance to year 1 from pre-school with a good grounding across the five areas of the pre-school environment, namely Practical Life, Sensorial, Culture, Language and Mathematics. The skills acquired in these areas are integrated in the child during this time and this knowledge and skill forms the basis upon which their further education is built.

In the second plane of development, between six and twelve years, there is an intense thirst for knowledge. The child wants to know about his /her place within his / her environment and the world and can appreciate the interconnectedness of all things and people. The child is interested in knowing about the universe – what exists outside the prepared environment. This phase is characterized by reasoning with imagination and logic. The child's intellectual independence grows and the child achieves a sense of "I can think it, myself!" The environment is prepared to include materials that embrace this development. The Primary school consists of three key academic areas, namely Language, Mathematics and Culture.

Keeping this in mind, these are the areas that we at Oakdale Montessori, believe that we can offer a small group of 6 to 9 years and 9 to 12 year old children the opportunity for development. Below are the focus areas/Subjects and please note that this is an impressionistic aid for parents, not a literal scope and sequence

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Language:

Language Examples:

<p>Word study: classifying compound word, alpha order</p> <p>Mechanics: periods and capitals</p> <p>Phonics: short & long vowels, consonant digraphs</p> <p>Poetry & dramatic recitals</p> <p>Print handwriting</p> <p>History of writing</p> <p>Spelling tests</p> <p>Journal writing</p> <p>Creative writing: beginning, middle, end, sentence expansion, outlines</p> <p>Reading groups: leveled by ability</p> <p>Public speaking</p>	<p>Word study: synonyms, suffixes, prefixes, antonyms</p> <p>Mechanics: periods, quotations marks, commas</p> <p>Phonics: Blends, vowel digraphs,</p> <p>Poetry</p> <p>Cursive handwriting</p> <p>Spelling tests</p> <p>Journal writing</p> <p>Creative writing: beginning, middle, end, outlines</p> <p>Reading groups: leveled by ability</p> <p>Public speaking</p>	<p>Word study: homophones, homonyms, homographs, guide words.</p> <p>Mechanics: apostrophes for contraction & possession</p> <p>Poetry & dramatic recitals</p> <p>Cursive handwriting</p> <p>Spelling tests</p> <p>Journal writing</p> <p>Creative writing: paragraphing, informative, persuasive, narrative, outlines, editing</p> <p>Literature groups: leveled by ability</p> <p>Public speaking</p> <p>Phonics</p>
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Grammar Examples:

<p>The function of the noun family, article, adjective, noun</p> <p>The function of the verb</p> <p>Introduction to sentence structure: asking vs telling.</p> <p>Concept of a sentence as a complete thought</p>	<p>Functions of: prepositions, adverbs, conjunctions, pronouns, interjections.</p> <p>The four types of sentences: declarative, imperative, interrogative, exclamatory.</p>	<p>Study of style: analysing simple texts for frequency of parts of speech.</p> <p>Sentence analysis: simple sentences with predicate, subject and object, indirect object, adverbial extensions</p>
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Culture:

Culture Examples:

Zoology		
<p>Parts of five classes: Fish, Amphibians, reptiles, birds & mammals</p> <p>Classification of vertebrates & invertebrates</p> <p>Characteristics of and stories about animals</p>	<p>Beginning research into animals and their habitats.</p> <p>Body functions of animals: movement, protection, support</p> <p>Life cycles, Food chains and Webs. Living, non-living, once alive. Metamorphosis</p>	<p>Taxonomy: classification of animals according to a 5-kingdom model</p> <p>Research and guided report writing</p> <p>Body functions of animals: nutrition, circulation</p>
Botany		
<p>Parts of Plants: seaweed, moss, ferns, pine trees, flowering plants, fungi</p> <p>Characteristics of and stories about plants</p>	<p>Functions of the plant</p> <p>Study of parts of the plant/leaf/root</p> <p>Beginning research into plants</p> <p>Photosynthesis,</p>	<p>Advanced botany</p> <p>Nomenclature eg: types of leaf margins, type of fruits</p> <p>Research and guided report writing</p> <p>Gardening</p>

History:

History Examples:

<p>Concepts of time: noticing changes in seasons, telling time</p> <p>Graphing children's family ages</p> <p>Passage of years: making a personal timeline of a child's life</p> <p>History of names of days of the week and months of the year.</p>	<p>Study of fundamental human needs of various cultures</p> <p>Roman numerals</p> <p>The Gregorian calendar and BC/AD or CE/BCE timeline</p> <p>Fossils, History of timekeeping, History of clocks, Study of Dinosaurs, Transport through time, Communication through time. History of map making.</p>	<p>The long black line (an impressionistic overview of the earth history)</p> <p>The "Clock or Eras"</p> <p>The Timeline of life – research into Paleozoic, Mesozoic, Cenozoic and Neozoic eras.</p> <p>Stories of Explorers. Timeline of Civilizations in Africa and South Africa. Timeline of Literature,</p>
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Geography, Science & Geology

Natural Science Curriculum Examples

Geography / Geology		
<p>Continents and Ocean studies, Land and water forms, Study of South Africa – flora, fauna, political studies, Solar System – Sun, planets and moon. Seasons. Mountains, Rivers, Volcanoes. Continental Drift & tectonic plates.</p>	<p>Parts of a flag: study of flags. Study of the Earth Surface, soil types, rock types. Map work, Atlas work. Study of the Earths Atmosphere, Natural Disasters, Climate and Weather patterns. Advanced Biome studies. Farming</p>	<p>Continents studies</p> <p>Study of hydrosphere</p> <p>Mapping skills: latitude & longitude, making maps</p> <p>Research and guided report writing, Water and Pollution,</p>
Science		
<p>Work of water & wind (water cycle, erosion)</p> <p>Physics experiments: relating to the formation of the universe, gravity, inertia, volcanism</p>	<p>Sun and Earth</p> <p>Work of water and wind</p> <p>Nature of the elements</p> <p>Physics experiments: relating to for formation of the universe</p>	<p>Work of water and wind</p> <p>Physics experiments: relating to for formation of the universe</p>

Mathematics:

Mathematic Examples:

<p>Concept & Process in operations of + and –</p> <p>Skip counting: sequence of numbers</p> <p>Introduction to fractions</p> <p>Coin values & Recognition</p>	<p>Concept & Process in operations of – and x</p> <p>Skip counting powers of numbers</p> <p>+/- fractions</p> <p>Graphing, bar graphs, tally</p>	<p>Concept & process in operations of x and ÷</p> <p>Multiples and factors</p> <p>+/- of like fractions</p> <p>Algebra, Percentages, Mixed word problems</p>
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Place value to thousands Memorization of + facts Measurement: length Critical thinking, Building and breaking down of numbers, number patterns	Time Equivalence of Fractions Place value to millions Memorization of – facts Measurement: length, weight, temperature, Critical thinking	Graphs Place value to billions Memorization of x and + facts Measurement length, weight, temperature, volume Critical thinking Money work: coins, notes, word problems, making change
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Geometry:

Geometry Examples:

Basic concepts: point, line, surface & solid. Names of geometric solids Study of lines: parts of lines, positions of straight lines & relations of 2 straight lines. Complex geometric shapes, quadrilaterals, polygons, triangles	Study of angles: whole, straight, right, acute, obtuse etc: Names of plane figures including triangles & polygons. Using constructive triangles to create various quadrilaterals & triangles Study of triangles: sides and angles Use geometry sticks to create various triangles & quadrilaterals	Detailed study of triangles Study of quadrilaterals (parallelogram, trapezoid, rhombus, rectangle, square) Study of Polygons (pentagon through decagon) Similarity, congruence and equivalence Measurement: area perimeter Study of angles: Angles formed by a transversal
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Advanced Practical Life

Food preparation, Care of the environment, Host & Hostess duties, Sewing, Animal care, Human values: peace, integrity, honesty, grace & courtesy

Art

7 elements of Art, Famous artists, Different forms and mediums in art. Art movements, History of Art and Art through the ages

Music

Rhyme, Beat, working with a metronome, Identifying instruments in music, Major and minor chords, Notes in the musical alphabet. Famous composers, Genres, Music Appreciation, and Introduction to basic music theory.

Robotics and Coding

Scratch Junior coding. Robotics - Dot and Dash (Wonder Workshop)