

MONTESSORI CURRICULUM

3-year cycle (ages 3 to 6 years)

PRACTICAL LIFE	SENSORIAL	LANGUAGE	MATHEMATICS	CULTURE
<p>Exercises of Practical Life (EPL) activities help a child develop concentration and become more independent. This subsequently results in higher self-confidence.</p> <p>EPL activities also play a critical role in development of self-esteem and self-worth in a child. As the child develops basic abilities and a greater sense of self-worth, he/she becomes more open to trying out new things and taking up new challenges.</p> <p>Another focus area of EPL activities is development of bodily functions and motor skills. As the child practices EPL activities, his/her fine and gross motor skills get refined. This also leads to better hand-eye coordination.</p>	<p>Sensorial activities help a child develop and refine the key senses through which he/she communicates with the external world.</p> <p>These are the senses of sight (visual), smell (olfactory), touch (tactile), taste (gustatory), hear (auditory), weigh (tactile), hotness (thermic) and perceiving without seeing (stereognostic).</p> <p>These activities also indirectly introduce mathematical concepts (such as algebra, geometry, arithmetics) and help prepare for writing. Many of the sensorial activities also incorporate age-appropriate exercise of muscles that leads to physical development.</p>	<p>Montessori language activities systematically introduce linguistic concepts and help develop language skills in a manner consistent with natural growth.</p> <p>Sounds (phonics) are introduced first, followed by combining and splitting of sounds for formation of words. This results in non-rote learning of words/spellings, which aids independent reading. Writing is introduced thereafter, by starting with the physical preparation of the hand/muscles.</p> <p>The mixed-age-group environment - a unique characteristic of Montessori pedagogy - helps in better adjusting and expressing one-self in a social setup. This also leads to higher confidence levels and better teamwork.</p>	<p>Montessori maths activities introduce mathematical concepts in a concrete (as against abstract) manner. This leads to more intuitive understanding of numbers and maths operations.</p> <p>The activities begin with introduction to quantities and relative sizes. Numerals are introduced later as symbols that represent quantities. Manipulation of the numbers with operators such as addition, subtraction, division and multiplication are introduced thereafter.</p> <p>Geometrical shapes introduced as part of EPL activities prepare the child for intuitive understanding of geometry. These preliminary concepts in combination with the mathematical concepts act as a foundation for later study.</p>	<p>Culture activities help create general awareness about the world. These include introduction to the globe/earth and maps of the world, continents, countries and states.</p> <p>These also include concepts of water bodies in relation to land bodies (such as an island, a river, a lake, an archipelago etc.) that are introduced with the help of physical models.</p> <p>Furthermore, the culture activities include basic biology/botany such as parts of an animal, an amphibian, a fish, a flower, a plant and a tree.</p>
Longer-term benefits	Longer-term benefits	Longer-term benefits	Longer-term benefits	Longer-term benefits
<ul style="list-style-type: none"> - Higher concentration levels and better motor skills - Development of logical thought patterns - Increased sense of independence - Higher self-confidence and self-esteem - Sense of dignity of labour 	<ul style="list-style-type: none"> - Improves imagination and intuitive understanding of concepts - Leads to refinement of senses - Develops better aesthetic sense - More awareness of the environment - Logical thinking and structured approach 	<ul style="list-style-type: none"> - Higher confidence in expressing oneself - Equips with creative writing skills - Develops love for reading and writing - Better calligraphy - Better reading abilities and preparedness for writing 	<ul style="list-style-type: none"> - More intuitive understanding of mathematical concepts - Leads to better visual imagination - Reduces likelihood of maths phobia - Develops methodical problem solving approach - Stronger quantitative and logical foundation 	<ul style="list-style-type: none"> - Creates greater general awareness - Leads to better contextualization of the world around - Develops curiosity about surroundings - Instils an interest about current affairs - Broadens the horizon
Useful for careers in	Useful for careers in	Useful for careers in	Useful for careers in	Useful for careers in
<ul style="list-style-type: none"> - Medicine, surgery - Sports, aviation - Fine arts - Graphic design, architecture - Industrial design 	<ul style="list-style-type: none"> - Culinary fields, hospitality industry - Psychiatry - Interior design, advertising - Film-making and photography - Fashion industry 	<ul style="list-style-type: none"> - Law - Dramatics, literature and creative writing - Advertising and mass communication - Teaching - Journalism, politics and leadership 	<ul style="list-style-type: none"> - Accounting and financial analysis - Engineering - Research and technology - Pure and social sciences - Economics 	<ul style="list-style-type: none"> - Film-making - Zoology, botany - Cartography - Sociology - Public service, administration

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List of activities

Exercises of Practical Life (EPL) activities	Sensorial activities	Language activities	Maths activities	Culture activities
<p>Preliminary activities</p> <ul style="list-style-type: none"> Carrying a mat Unrolling and rolling of mats Walking around the mat <p>Carrying and putting down</p> <ul style="list-style-type: none"> Chowki Tray Glass <p>Opening and closing</p> <ul style="list-style-type: none"> Boxes Bottles Nut and bolt Lock and key <p>Folding</p> <ul style="list-style-type: none"> Tray 1 Tray 2 Tray 3 Tray 4 <p>Pouring</p> <ul style="list-style-type: none"> Grains into one glass Small grains Grains equal glasses Grains unequal glasses Water into one glass Water equal glasses Water unequal glasses Funnel <p>Spooning</p> <ul style="list-style-type: none"> Equal Unequal <p>Care of the environment</p> <ul style="list-style-type: none"> Dust pan and brush Use of mop Use of broom Dusting Washing oil mat Cleaning chowki Cleaning Shelf <p>Care of self</p> <ul style="list-style-type: none"> Washing Hands Clothes Polishing glass <p>Dressing frames</p> <ul style="list-style-type: none"> Velero Press studs Zipper Large buttons Small buttons Large hook and eye Small hook and eye Ribbon Lace Sewing pattern Sewing button <p>Motor skills</p> <ul style="list-style-type: none"> Churning Punching Pounding Grating Rolling pin Cutting Snippets Straight line Zigzag line Ladling Sponging Filter Straining Sieving Stamping Pegging Sorting 1 Sorting 2 Tongs Beading big beads Beading small beads Kneading atta (dough) 	<p>Cylinder blocks</p> <ul style="list-style-type: none"> Pairing Working with 2 blocks Working with 3 blocks Working with 4 blocks Reverse pairing at random Reverse pairing in succession M1 M2 Grading 1 Grading 2 Name lesson <p>Pink tower</p> <ul style="list-style-type: none"> Building the tower Exercise M1 M2 G1 Name lesson (Positive) Name lesson (Comparative) Name lesson (Superlative) <p>Brown stairs</p> <ul style="list-style-type: none"> Arranging the stair Exercise M1 M2 Name lesson (Positive) Name lesson (Comparative) Name lesson (Superlative) <p>Sound boxes</p> <ul style="list-style-type: none"> Pairing M1 Grading <p>Smelling bottles pairing</p> <ul style="list-style-type: none"> Working with board 1 Working with board 2 Working with board 3 Working with board 4 <p>Touch boards</p> <ul style="list-style-type: none"> Pairing Grading <p>Fabrics</p> <ul style="list-style-type: none"> Pairing Name lesson <p>Baric tablets</p> <ul style="list-style-type: none"> Pairing (heavy and light) Pairing (heavy and medium) Pairing (medium and light) Name lesson <p>Constructive triangles</p> <ul style="list-style-type: none"> Rectangular Box Triangular Box Large Hexagonal Box Small Hexagonal Box Blue Triangles <p>Knobless cylinders</p> <ul style="list-style-type: none"> Working with individual boxes Working with 2 boxes Working with 3 boxes Working with 4 boxes <p>Red rods</p> <ul style="list-style-type: none"> Arranging the stair Exercise M1 M2 Name lesson (Positive) Name lesson (Comparative) Name lesson (Superlative) <p>Color tablets</p> <ul style="list-style-type: none"> Pairing with Box 1 Pairing with Box 2 Grading with Box 3 Name lesson of Primary Colors Name lesson of Secondary Colors Name lesson of Tertiary Colors <p>Geometry cabinet</p> <ul style="list-style-type: none"> Presentation tray Name lesson with tray Working with drawer 1 Working with drawer 2 Working with drawer 3 Working with drawer 4 Working with drawer 5 Working with drawer 6 Pairing with 1 set of cards Pairing with 2 set of cards Pairing with 3 set of cards Name lesson of polygons 1 Name lesson of polygons 2 Name lesson polygons 3 M1, M2 G1, G2 <p>Geometric solids</p> <ul style="list-style-type: none"> All solids Name lesson of all Blindfold With cards <p>Binomial cube</p> <ul style="list-style-type: none"> Making in the box Making outside the box Slicing <p>Trinomial cube</p> <ul style="list-style-type: none"> Making in the box Making outside the box Slicing <p>Decanomial</p> <ul style="list-style-type: none"> Making the square Making individual squares Superimposing <p>Leaf cabinet</p> <ul style="list-style-type: none"> Working with drawer 1 Working with drawer 2 Working with drawer 3 Working with 1 set of cards Working with 2 sets of cards Working with 3 sets of cards Name lesson 	<p>ENGLISH</p> <p>Enrichment of vocabulary</p> <ul style="list-style-type: none"> Classified cards 1 Spy game Objects of the environment Question Game <p>Language training</p> <ul style="list-style-type: none"> News Period Story telling Public Speaking Rhymes <p>WRITING STAGES</p> <p>Sand paper letters</p> <p>a, i o, e u c, t s, r p, d l, m n, f h, b j, v w, g y, x z</p> <p>Metal Inset</p> <p>Movable alphabets</p> <ul style="list-style-type: none"> 3 letter words 4 letter words 5 letter words Cards / Objects <p>Introduction to total reading</p> <p>Reading</p> <p>Object box</p> <ul style="list-style-type: none"> Object box 1 Object box 2 <p>Action cards 1</p> <p>Pictures and cards</p> <ul style="list-style-type: none"> Silent reading Reading exercise cards <p>Intro to diphthongs/ phonograms</p> <ul style="list-style-type: none"> oo, sh, ee, oi, ch th, uc, ar, ow, ie oy, or, ai, ph <p>Movable alphabets</p> <ul style="list-style-type: none"> Object box (introduction) Object box 1 Object box 2 Action cards <p>Function of words</p> <ul style="list-style-type: none"> Article Adjective Logical Adjective Adjective Game Conjunction Preposition Verbs <p>Word study</p> <ul style="list-style-type: none"> Collective names Singular Plural Gender Antonyms Synonyms Compound words Comparative and superlatives Punctuation Question game Reading classification <p>WRITING</p> <p>Writing of numbers</p> <ul style="list-style-type: none"> 0 - 10 11 - 20 21 - 30 31 - 40 41 - 50 51 - 60 61 - 70 71 - 80 81 - 90 91 - 100 <p>Writing alphabets</p> <p>Vowels</p> <p>Consonants</p> <p>Double sounds</p> <p>Three letter phonetic words</p> <p>Four letter words</p> <p>Reading folder words</p> <p>Puzzle words</p> <p>Capitals</p> <p>Sentences</p> <p>HINDI (Optional)</p> <p>Classified pictures</p> <ul style="list-style-type: none"> Animals Fruits Vegetables Insects <p>Sandpaper letters</p> <p>अ, आ इ, ई उ, ऊ ऋ ॠ ए, ऐ ओ, औ अ, आ अ, आ, इ, ई अ, आ, उ, ऊ अ, आ, इ, ई, उ, ऊ अ, आ, इ, ई, उ, ऊ, ए, ऐ अ, आ, इ, ई, उ, ऊ, ए, ऐ, ओ, औ अ, आ, इ, ई, उ, ऊ, ए, ऐ, ओ, औ, ऋ, ॠ</p>	<p>Group 1</p> <ul style="list-style-type: none"> Number rods arrangement Recognising rods 1-5 Recognising rods 6-10 Exercise with number rods Rods with cards M1 with rods and cards Sand paper numbers 1,3 7,4 9,5 3,8 6,2 Spindle Box Concept of zero Cards and counters Memory game Zero Game <p>Group 2</p> <ul style="list-style-type: none"> Introduction to decimal beads Introduction to Decimal cards Association of beads and cards Addition static Addition Dynamic Change game Subtraction static Subtraction dynamic Multiplication Division Stamp Addition Stamp Subtraction Stamp Multiplication Stamp Division <p>Group 3</p> <ul style="list-style-type: none"> Teen Beads Teen boards Teen beads and Boards Ten beads and boards Counting 100 chain Skip counting Short bead chain Long bead chain <p>Group 4</p> <ul style="list-style-type: none"> Number Board (1 to 100) Snake game Addition Addition Strip Board Addition charts Chart 1 Chart 2 Chart 3 Chart 4 Snake game Subtraction Subtraction Strip Board Subtraction charts Chart 1 Chart 2 Multiplication with Beads Multiplication Board Multiplication charts Chart 1 Chart 2 Chart 3 Chart 4 Unit Division Board Division charts Chart 1 Chart 2 	<p>GEOGRAPHY</p> <p>Sandpaper globe</p> <ul style="list-style-type: none"> Name lesson (land and water) <p>Globe</p> <ul style="list-style-type: none"> Name lesson (continents) Name lesson (oceans) <p>Puzzle map</p> <ul style="list-style-type: none"> Tracing continents Name Lesson <p>India map</p> <ul style="list-style-type: none"> Working with the map Name Lesson <p>Karnataka map</p> <ul style="list-style-type: none"> Working with the map Name Lesson <p>Flags</p> <ul style="list-style-type: none"> Recognising the flags <p>Land and water forms</p> <ul style="list-style-type: none"> Lake and Island Peninsula and gulf Strait and Isthmus Bay and cape Archipelago and system of lakes <p>BIOLOGY / BOTANY</p> <p>Parts of</p> <ul style="list-style-type: none"> Bird Frog Horse Tree Plant Flower

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