

## MTA Club Year 2 Scope and Sequence

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	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Montessori prepositions impressionistic lesson.</li> <li>Fall vocabulary (object to picture matching).</li> </ul>	<ul> <li>Simple, compound, and complex sentences.</li> <li>Elements of drama</li> </ul>	<ul> <li>Appositives</li> <li>Word choice exercises to enrich vocabulary.</li> <li>American Sign Language ( Alphabets)</li> </ul>
МАТН	Subtraction with the golden beads.	<ul> <li>Division with the bead board.</li> <li>Static division with the golden beads.</li> <li>Dynamic division with the golden beads.</li> </ul>	<ul> <li>Squaring with the stamp game.</li> <li>Analyzing the square</li> <li>Exponents</li> </ul>
COSMIC	• Montessori leaves cabinet (solid, thick, and thin) outlines.	<ul> <li>Parts of a leaf</li> <li>Types of leaves according to their shape.</li> <li>Research the top 10 poisonous plants in the world.</li> </ul>	<ul> <li>Structure of an atom</li> <li>Electron configuration</li> <li>Building an atom</li> </ul>
ART	<ul> <li>Straw Painting</li> <li>Stencils painting.</li> </ul>	<ul> <li>Stencils Painting</li> <li>Artist Study: Jackson Pollock</li> </ul>	How to make character crafts.
PRACTICAL LIFE Sensorial	<ul> <li>Constructive triangles (large and small hexagonal boxes).</li> <li>Visual daily routine/rhythm</li> <li>Handwashing toast bread activity.</li> </ul>	<ul> <li>Woodwork</li> <li>Leaf sewing project</li> </ul>	Composting





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LANGUAGE	<ul> <li>Montessori verbs impressionistic lesson and activities.</li> <li>Thinking and action verbs.</li> </ul>	<ul> <li>Proofreading exercises.</li> <li>Figurative language (idioms).</li> </ul>	<ul> <li>Types of Phrases (Prepositional, adjective, adverb, noun, verb, participial, gerund, infinitive, appositive)</li> <li>Sign Language: Numbers 1-10</li> </ul>
МАТН	<ul> <li>Subtraction board games.</li> <li>Subtraction on the number line.</li> </ul>	<ul> <li>Infinity street of big numbers.</li> <li>Angles and parts of an angle.</li> <li>Create angles on the Montessori stick board.</li> </ul>	• Order of operations (PEMDAS)
COSMIC	<ul> <li>The skeletal system</li> <li>Explore leaves of different vegetables.</li> </ul>	<ul> <li>The skeletal system and the function of each bone.</li> <li>Leaves of different vegetables.</li> <li>Types of trees.</li> </ul>	<ul> <li>Molecular structure</li> <li>Types of bonds</li> <li>Bohr Model of an Atom</li> </ul>
ART	• <b>Artist Study:</b> Andy Goldsworthy	<ul> <li>Artist Study: Andy Goldsworthy</li> <li>Paper Sculptures</li> </ul>	• How to make mini notebooks.
PRACTICAL LIFE Sensorial	<ul> <li>Crossing the street safely.</li> <li>Sense of touch exercises and booklet.</li> <li>Hanging clothes on a drying rack.</li> </ul>	<ul> <li>Introduction to food systems (Growing Chefs)</li> </ul>	Composting



November

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Digraphs /sh/, /ch/, /th/.</li> <li>Parts of a book</li> <li>Reading a story with fluency and expressions.</li> </ul>	The writing process	<ul> <li>Types of clauses</li> <li>Word choice exercises to enrich vocabulary.</li> <li>Sign Language: Numbers 11-20</li> </ul>
МАТН	<ul> <li>Right angles in the environment.</li> <li>Arrange numbers in ascending and descending order.</li> </ul>	<ul> <li>Straight, reflex, and whole angles.</li> <li>Measuring the size of angles with a protractor.</li> <li>Construct angles with a protractor.</li> </ul>	<ul> <li>The binomial formula</li> <li>Representation of binomial on graph paper.</li> </ul>
COSMIC	<ul> <li>Parts of a seed</li> <li>Materials and products made of them.</li> <li>Parts of a fruit</li> </ul>	<ul> <li>Parts of a seed</li> <li>Parts of a fruit</li> <li>Layers of the atmosphere</li> </ul>	<ul> <li>Types of mixtures (Colloids)</li> <li>The Tyndall effect test</li> <li>Solubility</li> <li>Suspensions</li> </ul>
ART	<ul> <li>Create animals art. with fall leaves.</li> <li>Pressed leaves art on double glass frame.</li> <li>Background pattern art.</li> </ul>	<ul> <li>History of rock art</li> <li>Motivational quotes rock art</li> </ul>	<ul> <li>Sketching and shading with a pencil.</li> </ul>
PRACTICAL LIFE Sensorial	<ul> <li>Classifying buttons into categories</li> <li>Plucking corn kernel with tweezers.</li> <li>Classify objects (roll/doesn't roll).</li> <li>Braiding</li> </ul>	<ul> <li>Food serving techniques.</li> <li>Pumpkin soup</li> <li>Traditional salad (Fattoush)</li> <li>Traditional salad (Greek Salad)</li> </ul>	<ul> <li>Food preservation (Safety Practices).</li> <li>Freezing and Drying</li> </ul>



December

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Read and write words with phoneme /tch/ and /ph/</li> <li>Adverbs command cards.</li> </ul>	<ul> <li>Book clubs</li> <li>Literature circles</li> </ul>	<ul> <li>Subject-Verb Agreement</li> <li>Sign Language: Numbers 21-30</li> </ul>
MATH	<ul> <li>Number bonds (addition and subtraction related facts</li> <li>Measuring the length of objects before and after stretching them.</li> </ul>	<ul> <li>Proper, improper, and mixed fractions</li> <li>Adding fractions with same and different denominators.</li> <li>Equivalent fractions.</li> </ul>	<ul> <li>Building binomial square on peg board.</li> <li>Building successive squares.</li> </ul>
COSMIC	<ul> <li>The Arctic circle unit study.</li> <li>Hibernation, migration, and adaptation.</li> <li>Elasticity</li> </ul>	<ul> <li>The Arctic circle unit study.</li> <li>Understanding the Aurora phenomenon.</li> </ul>	<ul> <li>pH scale (acids and bases)</li> <li>Cabbage pH scale experiment</li> <li>Using Litmus paper</li> </ul>
ART	<ul> <li>Transparent &amp; Opaque window art</li> <li>Ice painting</li> <li>Polar bear mask</li> </ul>	<ul> <li>Arctic art</li> <li>Aurora wet-on-wet technique.</li> </ul>	<ul> <li>Sketching and shading with a pencil.</li> </ul>
PRACTICAL LIFE Sensorial	<ul> <li>Classify materials into Transparent Translucent- Opaque torch activity.</li> <li>Classify materials into elastic - rigid</li> </ul>	<ul> <li>Igloo paper towel rolls challenge.</li> <li>Make lentil soup.</li> <li>Create clothes that can keep you or someone warm if they visit the Arctic.</li> </ul>	<ul> <li>Food preservation (Canning &amp; Pickling)</li> <li>Canning and Pickling recipes.</li> </ul>





	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Phonemes /ay/ and /ai/</li> <li>Syllables</li> <li>Metal insets exercises.</li> </ul>	<ul> <li>Opinion writing</li> <li>Antarctica parts of speech work</li> </ul>	<ul> <li>Fragment, run on, and complete sentences.</li> <li>Sign Language: Introduce yourself</li> </ul>
MATH	<ul> <li>Equal and unequal parts</li> <li>Capacity</li> </ul>	<ul> <li>Capacity</li> <li>Pictographs</li> <li>Bar graphs</li> <li>Line plot</li> </ul>	<ul> <li>Building non- successive squares.</li> <li>Representing successive squares on graph paper.</li> </ul>
COSMIC	<ul> <li>Linear calendar</li> <li>Antarctica unit study</li> </ul>	<ul> <li>The equator and lines of latitude</li> <li>Climate zones</li> <li>World biomes overview</li> <li>Antarctica unit study</li> </ul>	<ul> <li>Overview of the history and types of energy.</li> <li>Potential energy forms</li> <li>Kinetic energy forms</li> </ul>
ART	<ul> <li>Snowflakes Art</li> <li>Symmetry</li> <li>Framing</li> </ul>	<ul> <li>Snowflake cardboard weaving</li> <li>Antarctica metal insets designs</li> </ul>	<ul> <li>Sketching and shading with a pencil.</li> </ul>
PRACTICAL LIFE Sensorial	<ul> <li>Binomial and trinomial cubes</li> <li>Socks pairs matching</li> <li>Scrunchies exercise</li> <li>Scrubbing, washing, and peeling potatoes</li> </ul>	• Jewelry making	<ul> <li>Food preservation (Canning &amp; Pickling)</li> <li>Canning and Pickling recipes.</li> </ul>





	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Identify the basic elements of a story.</li> <li>Oral presentation (Introduce yourself)</li> <li>Writing: Write 3 simple sentences to introduce yourself.</li> </ul>	<ul> <li>Analyze elements of a narrative.</li> <li>Figurative language (Simile, metaphor, personification, hyperbole).</li> <li>Character traits</li> </ul>	<ul> <li>Analyze elements of a narrative.</li> <li>Figurative language (Simile, metaphor, personification, hyperbole).</li> <li>Character traits</li> </ul>
МАТН	<ul> <li>Review place value with the golden beads.</li> <li>Subtract by ones, tens, hundreds, and thousands.</li> </ul>	<ul> <li>American money two-steps word problems.</li> <li>Types of quadrilaterals and their properties according to angles and sides.</li> </ul>	<ul> <li>Review notation of squares and introduce notation of cubes.</li> <li>Cubing a binomial starting from the square.</li> </ul>
COSMIC	• Birds unit study	<ul> <li>The scientific method</li> <li>Most absorbent paper towel experiment.</li> <li>Birds unit study</li> </ul>	<ul> <li>Thermal energy</li> <li>All about Magnetism</li> </ul>
ART	<ul> <li>Paper plate spiral art</li> <li>Eggs art</li> </ul>	<ul> <li>Paper plate spiral art</li> <li>Quadrilaterals stained glass/sidewalk art</li> </ul>	<ul> <li>Paper Plate spiral art.</li> <li>Quadrilaterals-stained glass art.</li> </ul>
PRACTICAL LIFE Sensorial	<ul> <li>Grinding work using a grinder</li> <li>Mortar and pestle</li> <li>Color tablets matching</li> </ul>	<ul> <li>Grinding</li> <li>Make a smoothie</li> </ul>	• Quilting



March

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Introduce/Review nouns and adjectives.</li> <li>Logical adjective game.</li> <li>Self-empowerment action cards.</li> </ul>	<ul> <li>Poetry (Cinquain and diamante poems).</li> <li>Grammar work: Sentences parsing.</li> <li>Feathers research.</li> </ul>	<ul> <li>Verb mood</li> <li>Sign Language: Asking questions</li> </ul>
MATH	<ul> <li>Montessori subtraction snake game.</li> <li>Practice subtraction by ones, tens, hundreds, and thousands.</li> </ul>	<ul> <li>Build the decanomial square with the bead bars.</li> <li>Build the square of Pythagoras with the bead bars.</li> </ul>	<ul> <li>Moving from a cube to a successive cube.</li> <li>Moving from a cube to a non-successive cube.</li> </ul>
COSMIC	• All about feathers unit study.	<ul> <li>All about feathers unit study.</li> <li>Types of nests.</li> </ul>	All about electricity and electric energy
ART	<ul> <li>Feather crayon rubbing art.</li> <li>Make feather ornaments for decoration</li> </ul>	Make feather ornament and decoration for your room.	<ul> <li>Make feather ornament and decoration for your room.</li> <li>Make pop up cards for different occasions</li> </ul>
PRACTICAL LIFE Sensorial	<ul> <li>Sound jars</li> <li>Arranging feathers based on size, length, and color.</li> <li>Use recyclable materials to make bird feeder and pencil holder.</li> </ul>	<ul> <li>Build different types of nests.</li> <li>Make a quill pen from a tree twig and a feather.</li> </ul>	• Quilting





	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Language Foundation lessons Review</li> <li>Light and shadows language activities initial sounds and digraphs.</li> </ul>	<ul> <li>Logical Adjective Game</li> <li>Adjectives of Degrees of Comparison</li> </ul>	<ul> <li>Adjectives of Degrees of Comparison</li> <li>Ordering Adjectives in a sentence.</li> </ul>
MATH	<ul> <li>Golden beads grand 45 layout (bird eye view)</li> <li>The changing game (Level 1)</li> </ul>	<ul> <li>Constructing triangles with a compass.</li> <li>Discovering the altitude and orthocenter of a triangle.</li> </ul>	<ul> <li>Division with the stamp game (one digit divisor).</li> <li>Division with the stamp game (two-digits divisor)</li> </ul>
COSMIC	<ul> <li>Sources of light (natural-artificial)</li> <li>How light is formed and how we see objects.</li> <li>How shadows are formed</li> </ul>	<ul> <li>Forms of energy: Light</li> <li>Reflection, refraction, and diffraction</li> <li>How Shadows are formed.</li> </ul>	All about light energy
ART	<ul> <li>Draw the shadow of objects on a wash line.</li> <li>Artist Study: James Turrell</li> </ul>	<ul> <li>Artist Study: James Turrell</li> <li>Light in a jar</li> <li>Shadows hands wall art</li> </ul>	<ul> <li>Artist Study: James Turrell</li> <li>Light in a jar</li> <li>Shadows board puppet show</li> </ul>
PRACTICAL LIFE Sensorial	<ul> <li>Rainbow Skewers</li> <li>Pitting olives and cherries</li> <li>Shadow play</li> </ul>	<ul> <li>Types of stitches (running, back, split, and blanket)</li> <li>Hand embroidery project (Name and heart)</li> </ul>	<ul> <li>Types of stitches</li> <li>Hand embroidery projects</li> </ul>





	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Story dictation</li> <li>Formation of letters</li> <li>Handwriting exercises</li> </ul>	<ul> <li>Detective adjective game.</li> <li>Order of adjectives in a sentence.</li> </ul>	<ul> <li>Word study: word division and abbreviations.</li> <li>Order of adjectives in a sentence.</li> </ul>
МАТН	<ul> <li>The changing game (Level 2 exchange)</li> <li>Addition with the golden beads (Static and Dynamic)</li> </ul>	Constructing quadrilaterals with a compass (square, rectangle, rhombus, and parallelogram, and trapezium (trapezoid)	<ul> <li>Division with the stamp game with remainder.</li> <li>Long division with racks and tubes without a remainder.</li> </ul>
COSMIC	Forms of energy: Sound	• Forms of energy: Sound	<ul> <li>Forms of energy: Sound</li> <li>Anatomy of an ear</li> </ul>
ART	<ul> <li>Frames (open- ended creative art)</li> <li>Make a musical instrument from recycled materials.</li> </ul>	<ul> <li>String Art</li> <li>Albers-Inspired Collage</li> </ul>	<ul> <li>String Art</li> <li>Albers-Inspired Collage</li> <li></li> </ul>
PRACTICAL LIFE Sensorial	<ul> <li>Polishing exercises</li> <li>Make a musical instrument from recycled materials.</li> <li>Knobless Cylinders (red and yellow boxes)</li> </ul>	<ul> <li>Types of stitches</li> <li>Hand embroidery projects</li> </ul>	<ul> <li>Types of stitches</li> <li>Hand embroidery projects</li> </ul>





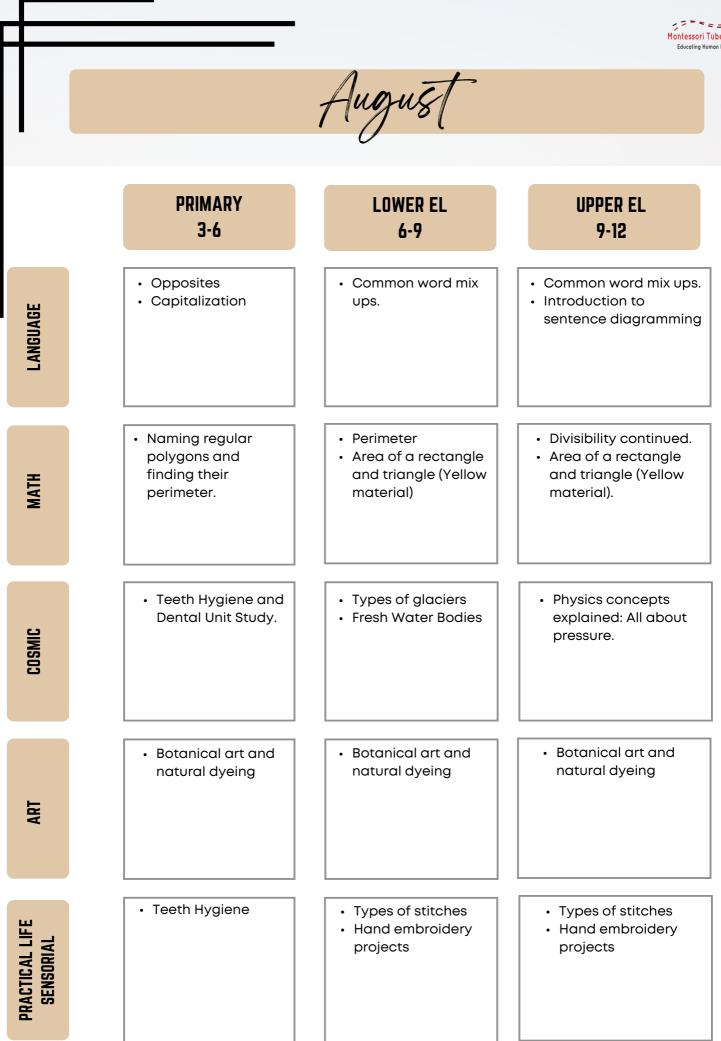
	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Pronouns</li> <li>Using a comma.</li> </ul>	<ul> <li>Personal pronouns</li> <li>Subject-verb agreement</li> </ul>	<ul> <li>Mechanics of writing: Parentheses, ellipsis points.</li> <li>Sentence analysis and parsing exercises.</li> </ul>
MATH	<ul> <li>Estimation</li> <li>Static and dynamic addition with the stamp game</li> </ul>	<ul> <li>Regular and irregular polygons</li> <li>Diagonals in polygons</li> <li>Estimation skills</li> </ul>	<ul> <li>Long division with racks and tubes with remainder.</li> <li>Practice division as part of the daily routine and solve Math stories.</li> </ul>
COSMIC	Salinity experiments	<ul> <li>Parts of the Hydrosphere</li> <li>Density and salinity</li> <li>Salty Water Bodies</li> <li>Types of seas</li> </ul>	<ul> <li>Renewable and nonrenewable energy</li> <li>Conserving energy</li> </ul>
ART	<ul> <li>Jelly fish paper machet</li> <li>Sidewalk ocean chalk art.</li> <li>Salt art</li> </ul>	• String Art- continued	• String Art - continued
PRACTICAL LIFE Sensorial	<ul> <li>Shell scrubbing</li> <li>Pouring with indicator line</li> <li>Using a strainer</li> </ul>	<ul> <li>Types of stitches</li> <li>Hand embroidery projects</li> </ul>	<ul> <li>Types of stitches</li> <li>Hand embroidery projects</li> </ul>





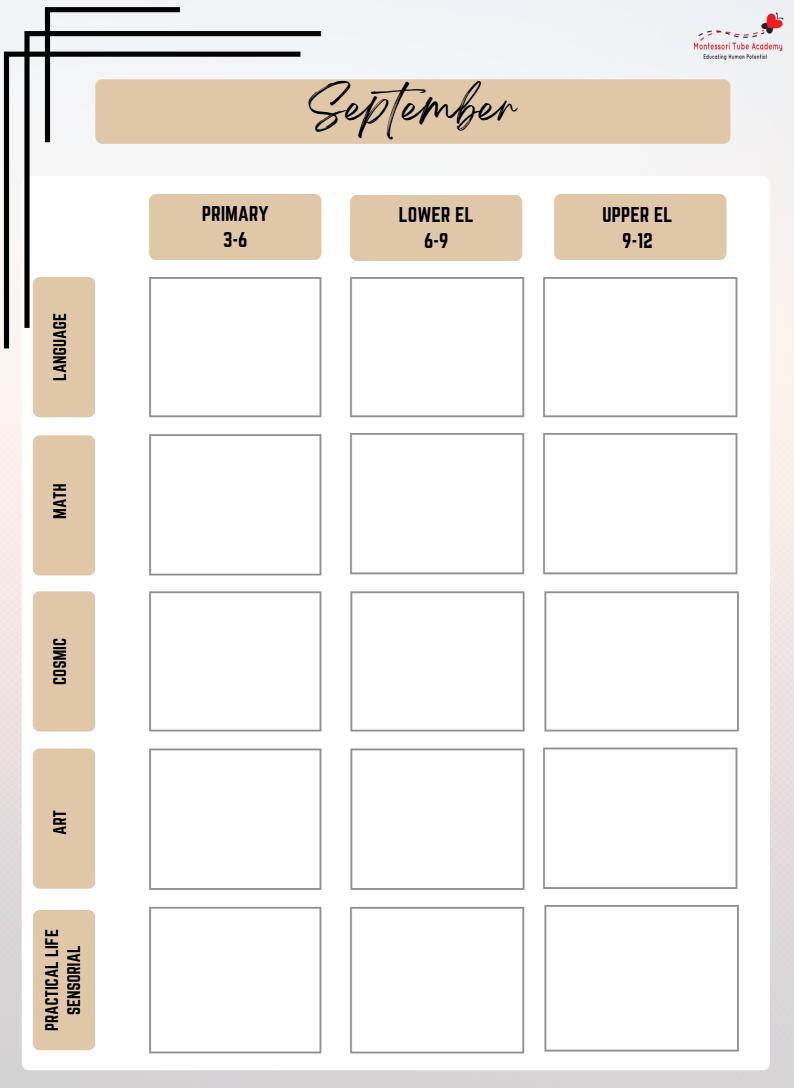
	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul> <li>Ocean inspired sentence matching exercises.</li> <li>Ocean inspired parts of speech exercises.</li> </ul>	Mechanics of writing: Parentheses, ellipsis points, and italics.	<ul> <li>Mechanics of writing: Italics</li> <li>Sentence analysis and parsing exercises.</li> </ul>
МАТН	Static and dynamic subtraction with the stamp game.	• The transversal and its angles.	<ul> <li>Divisibility</li> <li>The transversal and its angles.</li> </ul>
COSMIC	• Ocean Unit Study	• Ocean Unit Study	Physics concepts explained: All about gravity
ART	Recycled/Upcycled Crafts	Recycled/Upcycled Crafts	Recycled/Upcycled     Crafts
PRACTICAL LIFE Sensorial	Food waste and composting basics	<ul> <li>Types of stitches</li> <li>Hand embroidery projects</li> <li>Food waste and composting basics</li> </ul>	<ul> <li>Types of stitches</li> <li>Hand embroidery projects</li> </ul>

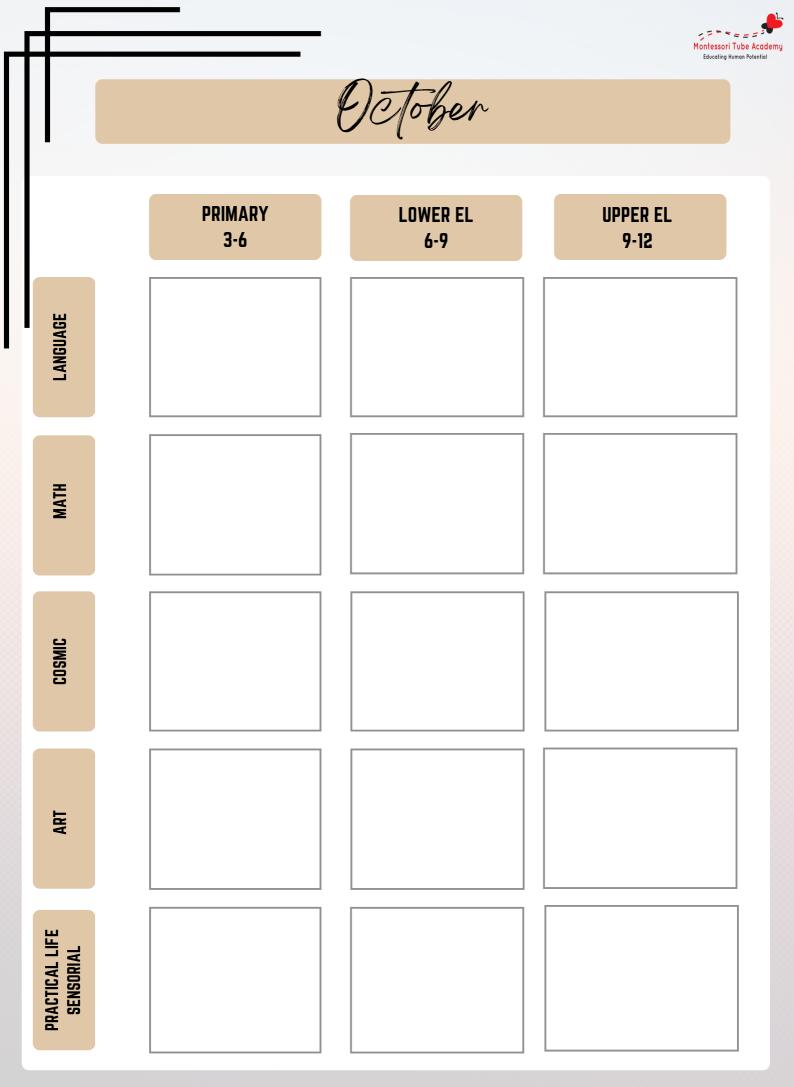


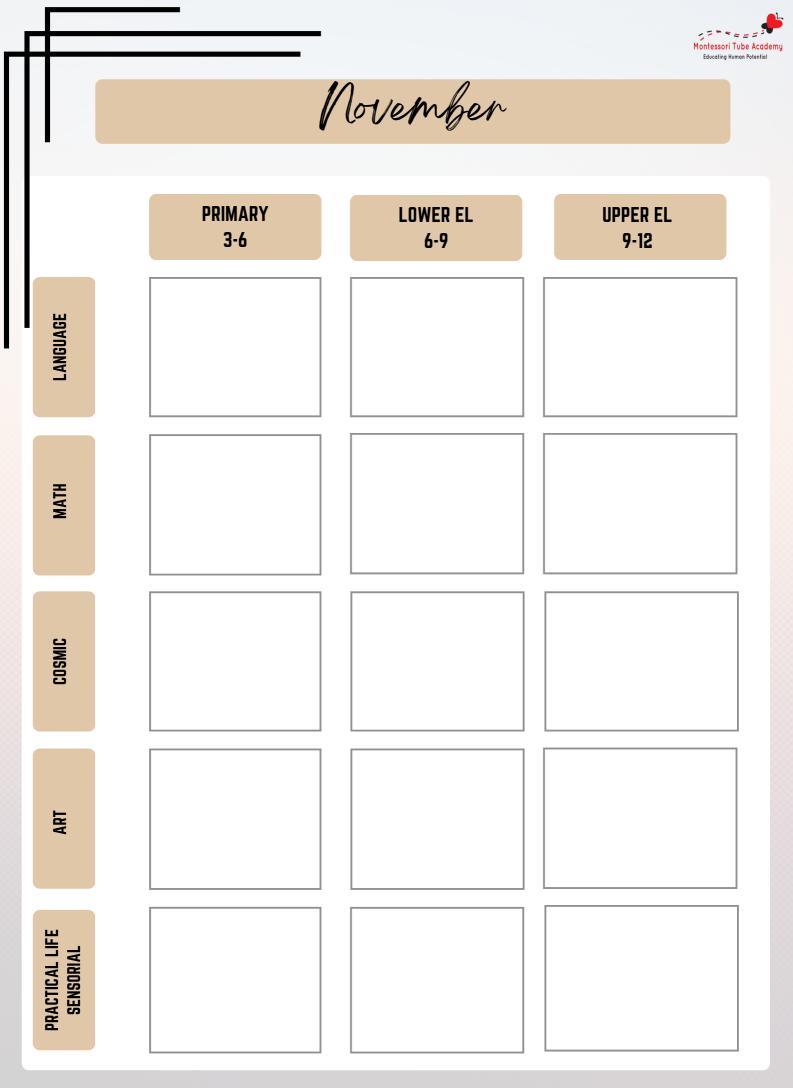


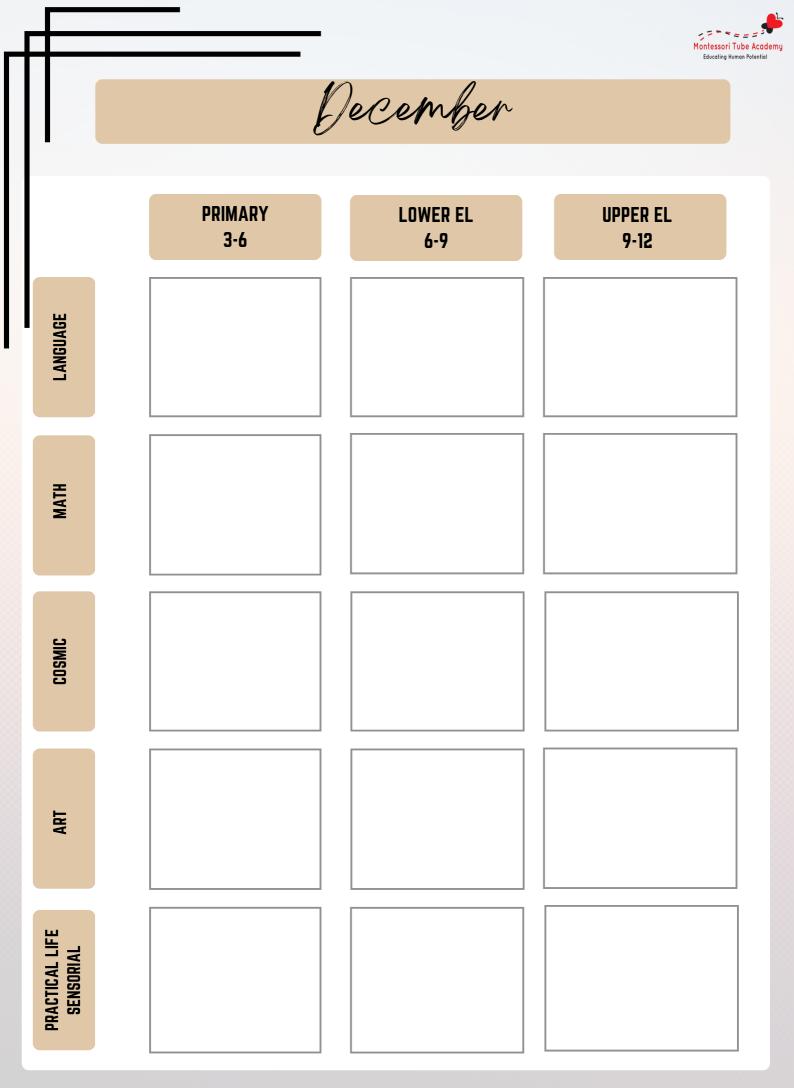


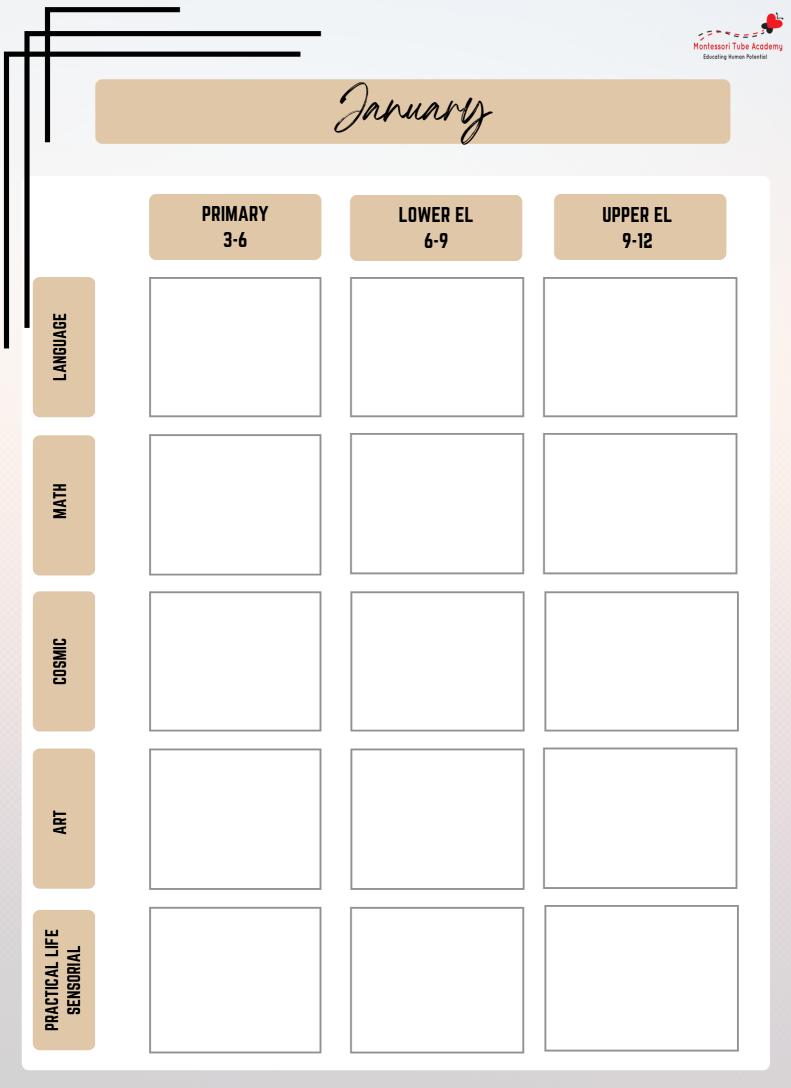
## Plan your own year with your child. Watch the videos and prepare the environment and lessons based on observing your child and their interests

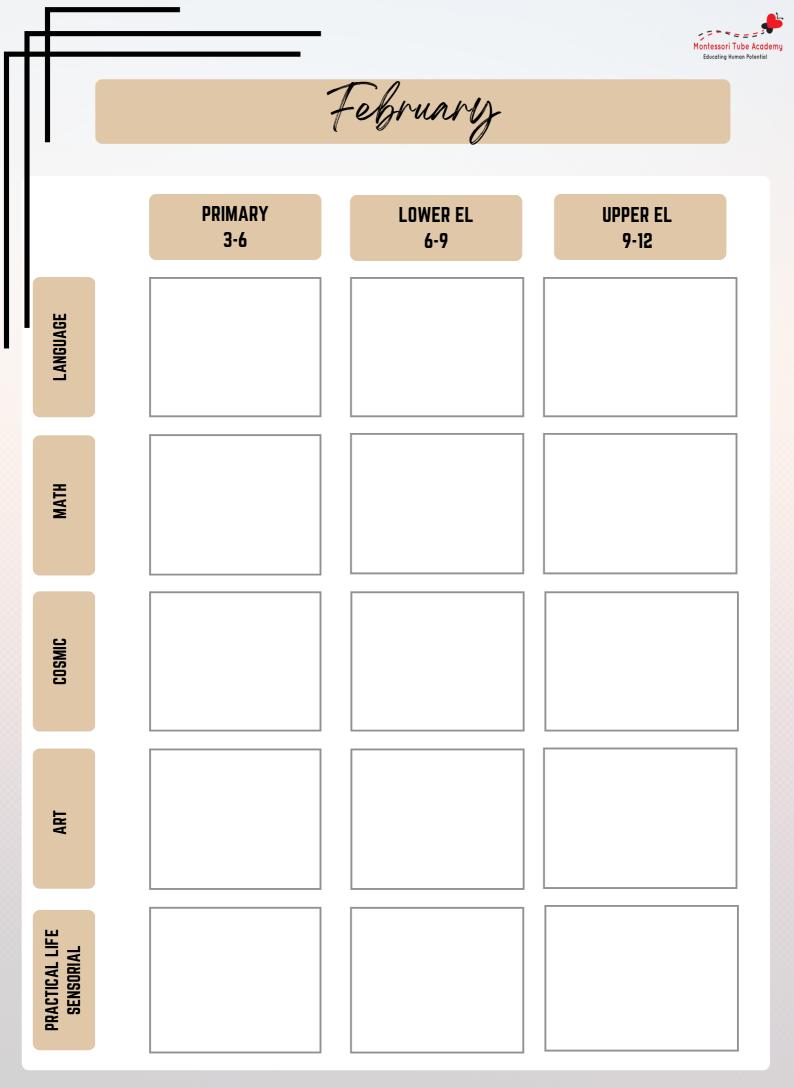


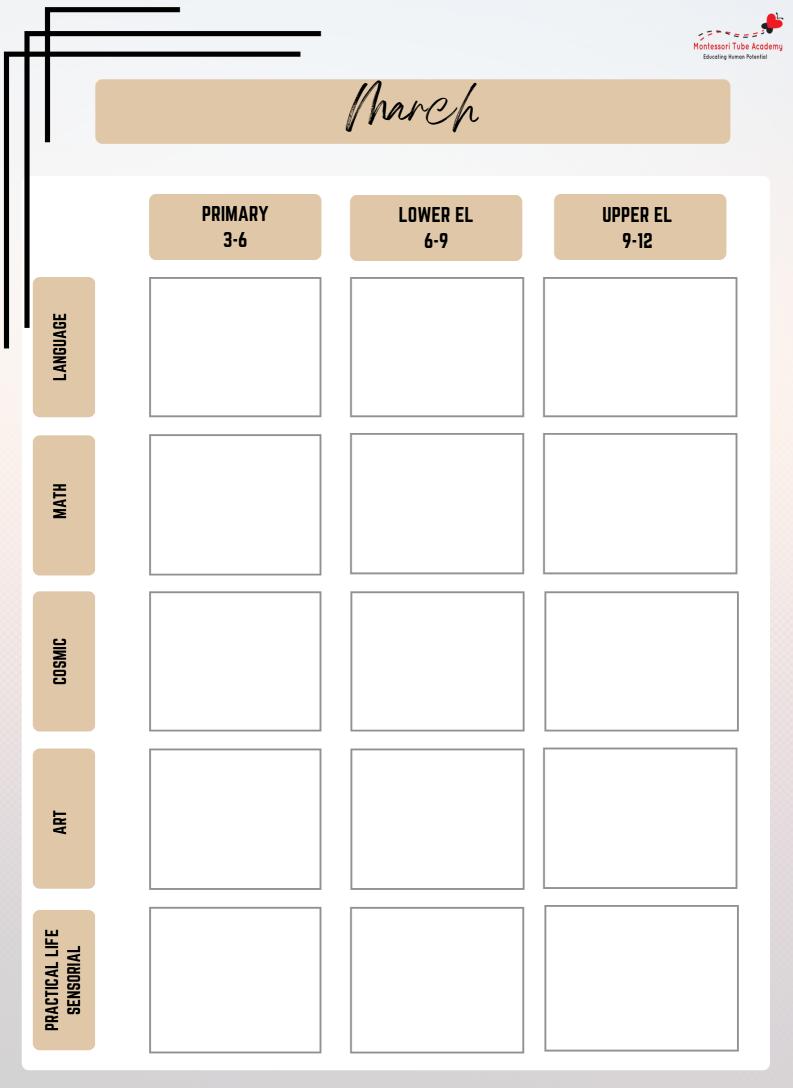


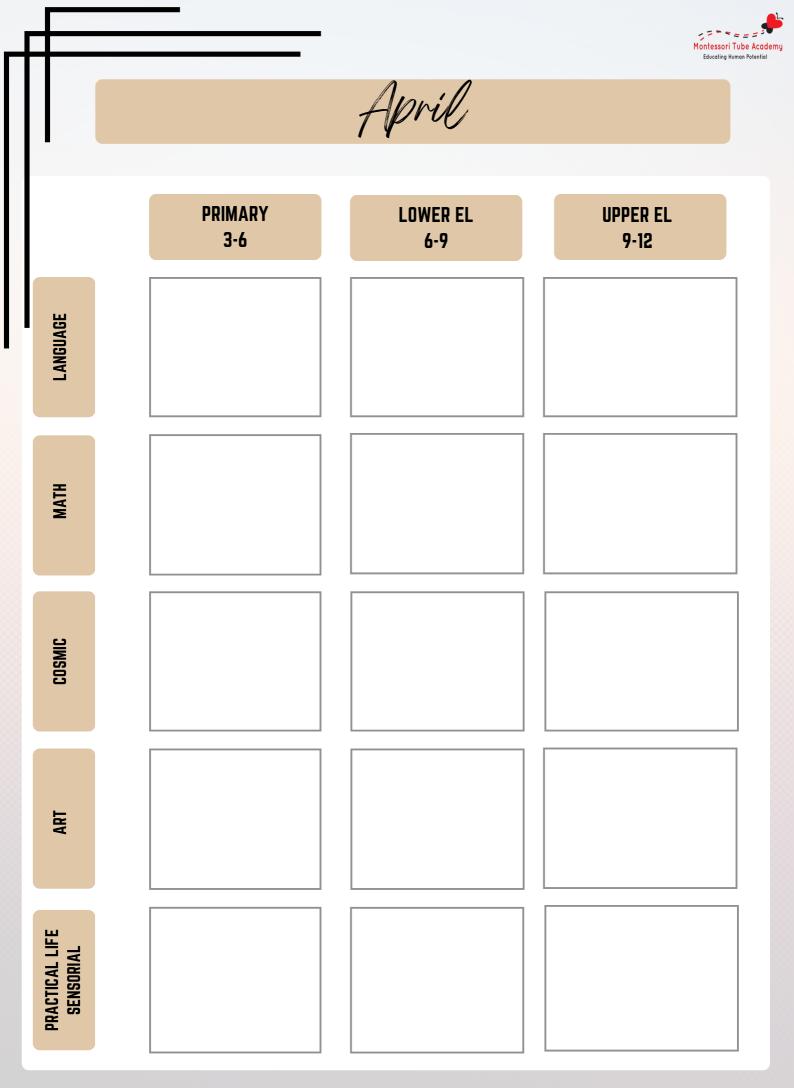


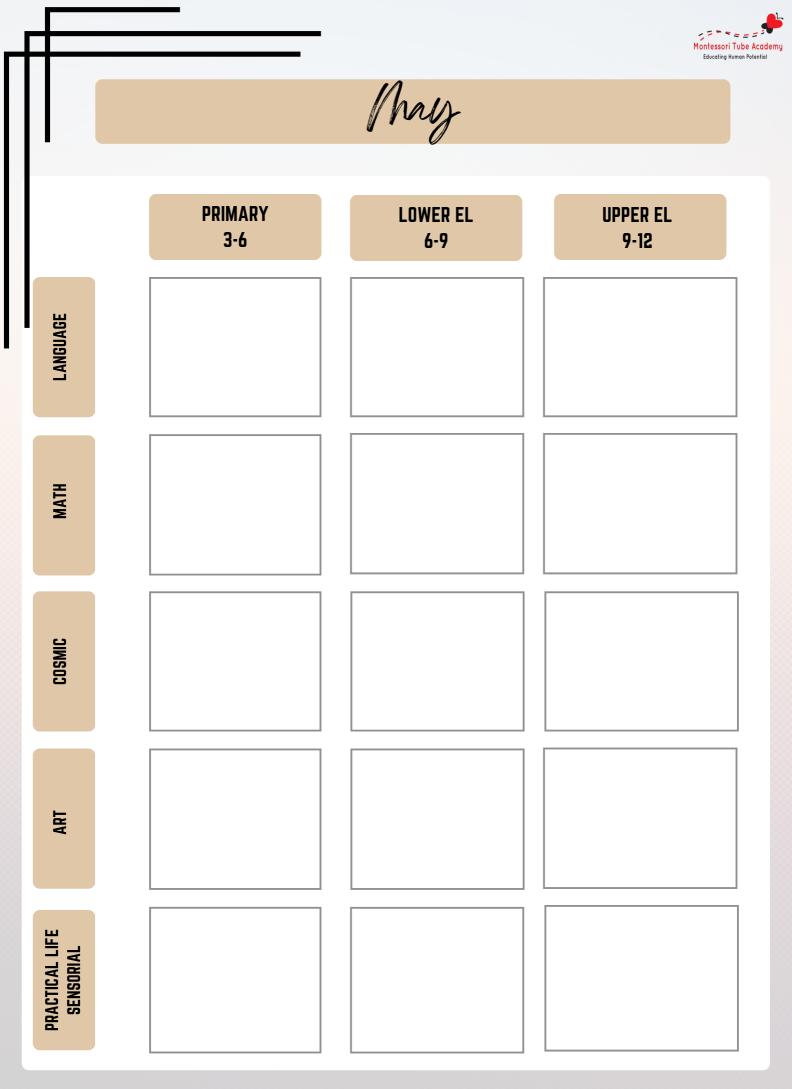


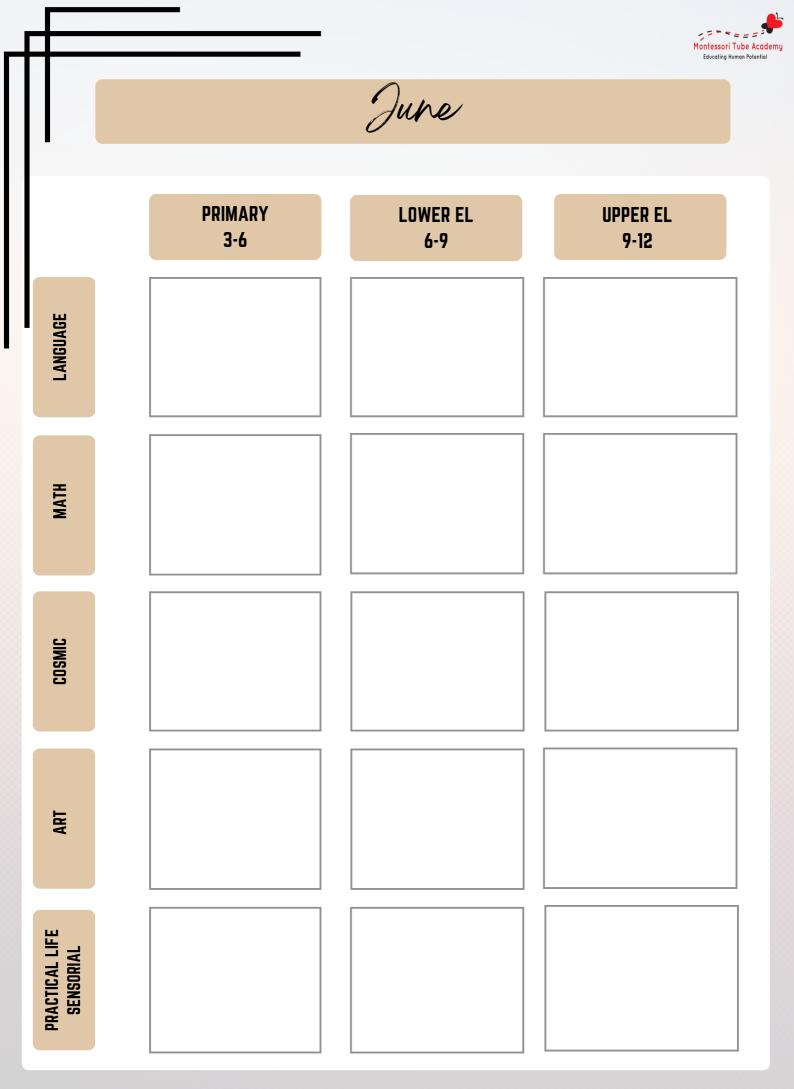


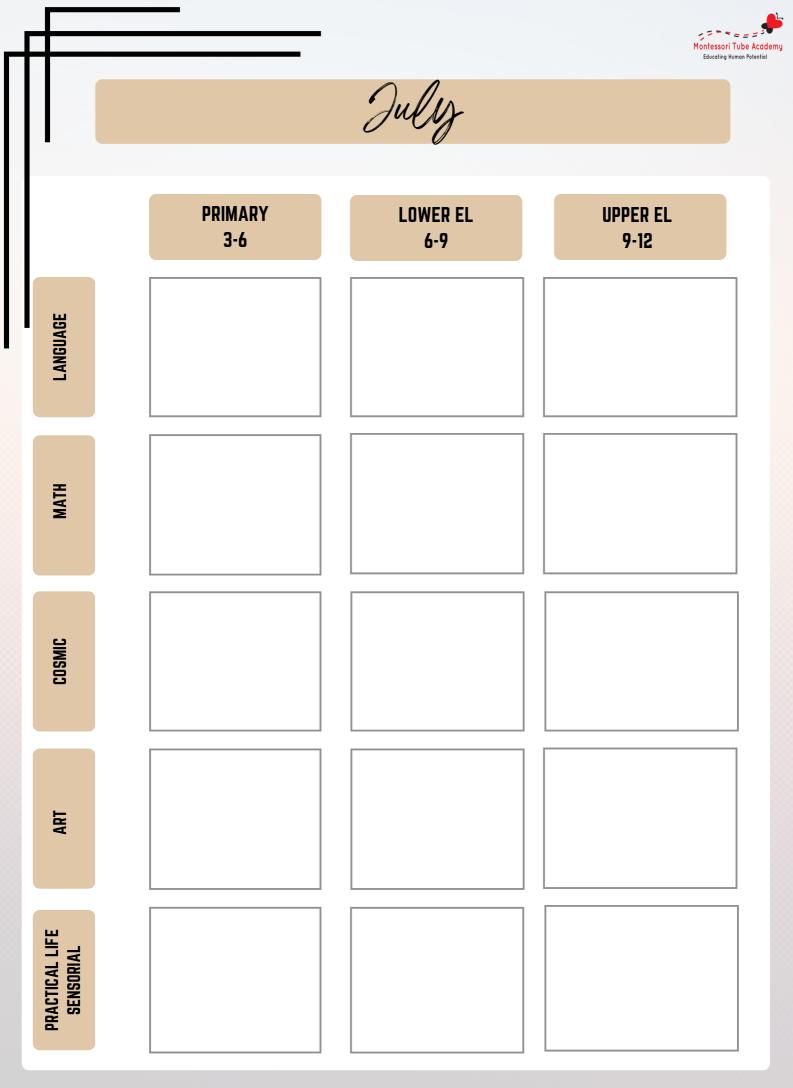


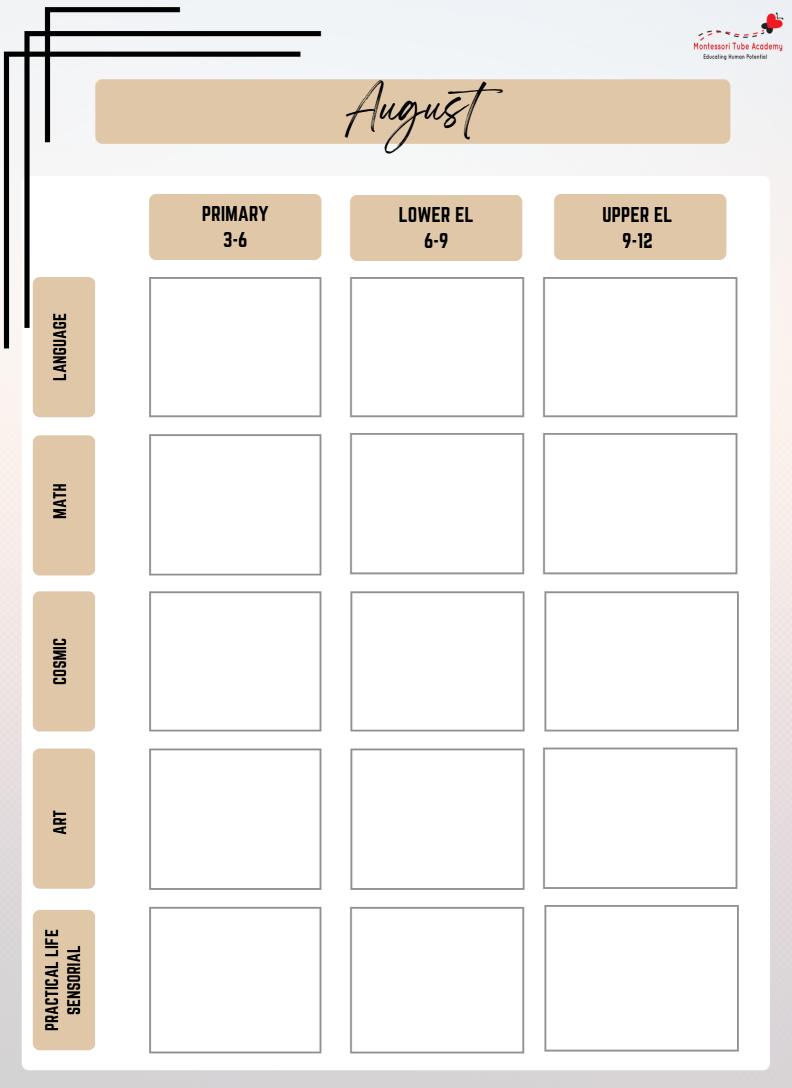














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