



MTA Club Year 2 Scope and Sequence

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September

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> • Montessori prepositions impressionistic lesson. • Fall vocabulary (object to picture matching). 	<ul style="list-style-type: none"> • Simple, compound, and complex sentences. • Elements of drama 	<ul style="list-style-type: none"> • Appositives • Word choice exercises to enrich vocabulary. • American Sign Language (Alphabets)
MATH	<ul style="list-style-type: none"> • Subtraction with the golden beads. 	<ul style="list-style-type: none"> • Division with the bead board. • Static division with the golden beads. • Dynamic division with the golden beads. 	<ul style="list-style-type: none"> • Squaring with the stamp game. • Analyzing the square • Exponents
COSMIC	<ul style="list-style-type: none"> • Montessori leaves cabinet (solid, thick, and thin) outlines. 	<ul style="list-style-type: none"> • Parts of a leaf • Types of leaves according to their shape. • Research the top 10 poisonous plants in the world. 	<ul style="list-style-type: none"> • Structure of an atom • Electron configuration • Building an atom
ART	<ul style="list-style-type: none"> • Straw Painting • Stencils painting. 	<ul style="list-style-type: none"> • Stencils Painting • Artist Study: Jackson Pollock 	<ul style="list-style-type: none"> • How to make character crafts.
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> • Constructive triangles (large and small hexagonal boxes). • Visual daily routine/rhythm • Handwashing toast bread activity. 	<ul style="list-style-type: none"> • Woodwork • Leaf sewing project 	<ul style="list-style-type: none"> • Composting

October

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> Montessori verbs impressionistic lesson and activities. Thinking and action verbs. 	<ul style="list-style-type: none"> Proofreading exercises. Figurative language (idioms). 	<ul style="list-style-type: none"> Types of Phrases (Prepositional, adjective, adverb, noun, verb, participial, gerund, infinitive, appositive) Sign Language: Numbers 1-10
MATH	<ul style="list-style-type: none"> Subtraction board games. Subtraction on the number line. 	<ul style="list-style-type: none"> Infinity street of big numbers. Angles and parts of an angle. Create angles on the Montessori stick board. 	<ul style="list-style-type: none"> Order of operations (PEMDAS)
COSMIC	<ul style="list-style-type: none"> The skeletal system Explore leaves of different vegetables. 	<ul style="list-style-type: none"> The skeletal system and the function of each bone. Leaves of different vegetables. Types of trees. 	<ul style="list-style-type: none"> Molecular structure Types of bonds Bohr Model of an Atom
ART	<ul style="list-style-type: none"> Artist Study: Andy Goldsworthy 	<ul style="list-style-type: none"> Artist Study: Andy Goldsworthy Paper Sculptures 	<ul style="list-style-type: none"> How to make mini notebooks.
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> Crossing the street safely. Sense of touch exercises and booklet. Hanging clothes on a drying rack. 	<ul style="list-style-type: none"> Introduction to food systems (Growing Chefs) 	<ul style="list-style-type: none"> Composting

November

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> • Digraphs /sh/, /ch/, /th/. • Parts of a book • Reading a story with fluency and expressions. 	<ul style="list-style-type: none"> • The writing process 	<ul style="list-style-type: none"> • Types of clauses • Word choice exercises to enrich vocabulary. • Sign Language: Numbers 11-20
MATH	<ul style="list-style-type: none"> • Right angles in the environment. • Arrange numbers in ascending and descending order. 	<ul style="list-style-type: none"> • Straight, reflex, and whole angles. • Measuring the size of angles with a protractor. • Construct angles with a protractor. 	<ul style="list-style-type: none"> • The binomial formula • Representation of binomial on graph paper.
COSMIC	<ul style="list-style-type: none"> • Parts of a seed • Materials and products made of them. • Parts of a fruit 	<ul style="list-style-type: none"> • Parts of a seed • Parts of a fruit • Layers of the atmosphere 	<ul style="list-style-type: none"> • Types of mixtures (Colloids) • The Tyndall effect test • Solubility • Suspensions
ART	<ul style="list-style-type: none"> • Create animals art with fall leaves. • Pressed leaves art on double glass frame. • Background pattern art. 	<ul style="list-style-type: none"> • History of rock art • Motivational quotes rock art 	<ul style="list-style-type: none"> • Sketching and shading with a pencil.
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> • Classifying buttons into categories • Plucking corn kernel with tweezers. • Classify objects (roll/doesn't roll). • Braiding 	<ul style="list-style-type: none"> • Food serving techniques. • Pumpkin soup • Traditional salad (Fattoush) • Traditional salad (Greek Salad) 	<ul style="list-style-type: none"> • Food preservation (Safety Practices). • Freezing and Drying

December

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> Read and write words with phoneme /tch/ and /ph/ Adverbs command cards. 	<ul style="list-style-type: none"> Book clubs Literature circles 	<ul style="list-style-type: none"> Subject-Verb Agreement Sign Language: Numbers 21-30
MATH	<ul style="list-style-type: none"> Number bonds (addition and subtraction related facts) Measuring the length of objects before and after stretching them. 	<ul style="list-style-type: none"> Proper, improper, and mixed fractions Adding fractions with same and different denominators. Equivalent fractions. 	<ul style="list-style-type: none"> Building binomial square on peg board. Building successive squares.
COSMIC	<ul style="list-style-type: none"> The Arctic circle unit study. Hibernation, migration, and adaptation. Elasticity 	<ul style="list-style-type: none"> The Arctic circle unit study. Understanding the Aurora phenomenon. 	<ul style="list-style-type: none"> pH scale (acids and bases) Cabbage pH scale experiment Using Litmus paper
ART	<ul style="list-style-type: none"> Transparent & Opaque window art Ice painting Polar bear mask 	<ul style="list-style-type: none"> Arctic art Aurora wet-on-wet technique. 	<ul style="list-style-type: none"> Sketching and shading with a pencil.
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> Classify materials into Transparent Translucent- Opaque torch activity. Classify materials into elastic - rigid 	<ul style="list-style-type: none"> Igloo paper towel rolls challenge. Make lentil soup. Create clothes that can keep you or someone warm if they visit the Arctic. 	<ul style="list-style-type: none"> Food preservation (Canning & Pickling) Canning and Pickling recipes.

January

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> Phonemes /ay/ and /ai/ Syllables Metal insets exercises. 	<ul style="list-style-type: none"> Opinion writing Antarctica parts of speech work 	<ul style="list-style-type: none"> Fragment, run on, and complete sentences. Sign Language: Introduce yourself
MATH	<ul style="list-style-type: none"> Equal and unequal parts Capacity 	<ul style="list-style-type: none"> Capacity Pictographs Bar graphs Line plot 	<ul style="list-style-type: none"> Building non-successive squares. Representing successive squares on graph paper.
COSMIC	<ul style="list-style-type: none"> Linear calendar Antarctica unit study 	<ul style="list-style-type: none"> The equator and lines of latitude Climate zones World biomes overview Antarctica unit study 	<ul style="list-style-type: none"> Overview of the history and types of energy. Potential energy forms Kinetic energy forms
ART	<ul style="list-style-type: none"> Snowflakes Art Symmetry Framing 	<ul style="list-style-type: none"> Snowflake cardboard weaving Antarctica metal insets designs 	<ul style="list-style-type: none"> Sketching and shading with a pencil.
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> Binomial and trinomial cubes Socks pairs matching Scrunchies exercise Scrubbing, washing, and peeling potatoes 	<ul style="list-style-type: none"> Jewelry making 	<ul style="list-style-type: none"> Food preservation (Canning & Pickling) Canning and Pickling recipes.

February

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> Identify the basic elements of a story. Oral presentation (Introduce yourself) Writing: Write 3 simple sentences to introduce yourself. 	<ul style="list-style-type: none"> Analyze elements of a narrative. Figurative language (Simile, metaphor, personification, hyperbole). Character traits 	<ul style="list-style-type: none"> Analyze elements of a narrative. Figurative language (Simile, metaphor, personification, hyperbole). Character traits
MATH	<ul style="list-style-type: none"> Review place value with the golden beads. Subtract by ones, tens, hundreds, and thousands. 	<ul style="list-style-type: none"> American money two-steps word problems. Types of quadrilaterals and their properties according to angles and sides. 	<ul style="list-style-type: none"> Review notation of squares and introduce notation of cubes. Cubing a binomial starting from the square.
COSMIC	<ul style="list-style-type: none"> Birds unit study 	<ul style="list-style-type: none"> The scientific method Most absorbent paper towel experiment. Birds unit study 	<ul style="list-style-type: none"> Thermal energy All about Magnetism
ART	<ul style="list-style-type: none"> Paper plate spiral art Eggs art 	<ul style="list-style-type: none"> Paper plate spiral art Quadrilaterals stained glass/sidewalk art 	<ul style="list-style-type: none"> Paper Plate spiral art. Quadrilaterals-stained glass art.
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> Grinding work using a grinder Mortar and pestle Color tablets matching 	<ul style="list-style-type: none"> Grinding Make a smoothie 	<ul style="list-style-type: none"> Quilting

March

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> • Introduce/Review nouns and adjectives. • Logical adjective game. • Self-empowerment action cards. 	<ul style="list-style-type: none"> • Poetry (Cinquain and diamante poems). • Grammar work: Sentences parsing. • Feathers research. 	<ul style="list-style-type: none"> • Verb mood • Sign Language: Asking questions
MATH	<ul style="list-style-type: none"> • Montessori subtraction snake game. • Practice subtraction by ones, tens, hundreds, and thousands. 	<ul style="list-style-type: none"> • Build the decanomial square with the bead bars. • Build the square of Pythagoras with the bead bars. 	<ul style="list-style-type: none"> • Moving from a cube to a successive cube. • Moving from a cube to a non-successive cube.
COSMIC	<ul style="list-style-type: none"> • All about feathers unit study. 	<ul style="list-style-type: none"> • All about feathers unit study. • Types of nests. 	<ul style="list-style-type: none"> • All about electricity and electric energy
ART	<ul style="list-style-type: none"> • Feather crayon rubbing art. • Make feather ornaments for decoration 	<ul style="list-style-type: none"> • Make feather ornament and decoration for your room. 	<ul style="list-style-type: none"> • Make feather ornament and decoration for your room. • Make pop up cards for different occasions..
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> • Sound jars • Arranging feathers based on size, length, and color. • Use recyclable materials to make bird feeder and pencil holder. 	<ul style="list-style-type: none"> • Build different types of nests. • Make a quill pen from a tree twig and a feather. 	<ul style="list-style-type: none"> • Quilting

April

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> Language Foundation lessons Review Light and shadows language activities initial sounds and digraphs. 	<ul style="list-style-type: none"> Logical Adjective Game Adjectives of Degrees of Comparison 	<ul style="list-style-type: none"> Adjectives of Degrees of Comparison Ordering Adjectives in a sentence.
MATH	<ul style="list-style-type: none"> Golden beads grand 45 layout (bird eye view) The changing game (Level 1) 	<ul style="list-style-type: none"> Constructing triangles with a compass. Discovering the altitude and orthocenter of a triangle. 	<ul style="list-style-type: none"> Division with the stamp game (one digit divisor). Division with the stamp game (two-digits divisor)
COSMIC	<ul style="list-style-type: none"> Sources of light (natural-artificial) How light is formed and how we see objects. How shadows are formed 	<ul style="list-style-type: none"> Forms of energy: Light Reflection, refraction, and diffraction How Shadows are formed. 	<ul style="list-style-type: none"> All about light energy
ART	<ul style="list-style-type: none"> Draw the shadow of objects on a wash line. Artist Study: James Turrell 	<ul style="list-style-type: none"> Artist Study: James Turrell Light in a jar Shadows hands wall art 	<ul style="list-style-type: none"> Artist Study: James Turrell Light in a jar Shadows board puppet show
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> Rainbow Skewers Pitting olives and cherries Shadow play 	<ul style="list-style-type: none"> Types of stitches (running, back, split, and blanket) Hand embroidery project (Name and heart) 	<ul style="list-style-type: none"> Types of stitches Hand embroidery projects

May

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> • Story dictation • Formation of letters • Handwriting exercises 	<ul style="list-style-type: none"> • Detective adjective game. • Order of adjectives in a sentence. 	<ul style="list-style-type: none"> • Word study: word division and abbreviations. • Order of adjectives in a sentence.
MATH	<ul style="list-style-type: none"> • The changing game (Level 2 exchange) • Addition with the golden beads (Static and Dynamic) 	<ul style="list-style-type: none"> • Constructing quadrilaterals with a compass (square, rectangle, rhombus, and parallelogram, and trapezium (trapezoid)) 	<ul style="list-style-type: none"> • Division with the stamp game with remainder. • Long division with racks and tubes without a remainder.
COSMIC	<ul style="list-style-type: none"> • Forms of energy: Sound 	<ul style="list-style-type: none"> • Forms of energy: Sound 	<ul style="list-style-type: none"> • Forms of energy: Sound • Anatomy of an ear
ART	<ul style="list-style-type: none"> • Frames (open-ended creative art) • Make a musical instrument from recycled materials. 	<ul style="list-style-type: none"> • String Art • Albers-Inspired Collage 	<ul style="list-style-type: none"> • String Art • Albers-Inspired Collage •
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> • Polishing exercises • Make a musical instrument from recycled materials. • Knobless Cylinders (red and yellow boxes) 	<ul style="list-style-type: none"> • Types of stitches • Hand embroidery projects 	<ul style="list-style-type: none"> • Types of stitches • Hand embroidery projects

June

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> • Pronouns • Using a comma. 	<ul style="list-style-type: none"> • Personal pronouns • Subject-verb agreement 	<ul style="list-style-type: none"> • Mechanics of writing: Parentheses, ellipsis points. • Sentence analysis and parsing exercises.
MATH	<ul style="list-style-type: none"> • Estimation • Static and dynamic addition with the stamp game 	<ul style="list-style-type: none"> • Regular and irregular polygons • Diagonals in polygons • Estimation skills 	<ul style="list-style-type: none"> • Long division with racks and tubes with remainder. • Practice division as part of the daily routine and solve Math stories.
COSMIC	<ul style="list-style-type: none"> • Salinity experiments 	<ul style="list-style-type: none"> • Parts of the Hydrosphere • Density and salinity • Salty Water Bodies • Types of seas 	<ul style="list-style-type: none"> • Renewable and nonrenewable energy • Conserving energy
ART	<ul style="list-style-type: none"> • Jelly fish paper machet • Sidewalk ocean chalk art. • Salt art 	<ul style="list-style-type: none"> • String Art- continued 	<ul style="list-style-type: none"> • String Art - continued
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> • Shell scrubbing • Pouring with indicator line • Using a strainer 	<ul style="list-style-type: none"> • Types of stitches • Hand embroidery projects 	<ul style="list-style-type: none"> • Types of stitches • Hand embroidery projects

July

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> • Ocean inspired sentence matching exercises. • Ocean inspired parts of speech exercises. 	<ul style="list-style-type: none"> • Mechanics of writing: Parentheses, ellipsis points, and italics. 	<ul style="list-style-type: none"> • Mechanics of writing: Italics • Sentence analysis and parsing exercises.
MATH	<ul style="list-style-type: none"> • Static and dynamic subtraction with the stamp game. 	<ul style="list-style-type: none"> • The transversal and its angles. 	<ul style="list-style-type: none"> • Divisibility • The transversal and its angles.
COSMIC	<ul style="list-style-type: none"> • Ocean Unit Study 	<ul style="list-style-type: none"> • Ocean Unit Study 	<ul style="list-style-type: none"> • Physics concepts explained: All about gravity
ART	<ul style="list-style-type: none"> • Recycled/Upcycled Crafts 	<ul style="list-style-type: none"> • Recycled/Upcycled Crafts 	<ul style="list-style-type: none"> • Recycled/Upcycled Crafts
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> • Food waste and composting basics 	<ul style="list-style-type: none"> • Types of stitches • Hand embroidery projects • Food waste and composting basics 	<ul style="list-style-type: none"> • Types of stitches • Hand embroidery projects

August

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE	<ul style="list-style-type: none"> • Opposites • Capitalization 	<ul style="list-style-type: none"> • Common word mix ups. 	<ul style="list-style-type: none"> • Common word mix ups. • Introduction to sentence diagramming
MATH	<ul style="list-style-type: none"> • Naming regular polygons and finding their perimeter. 	<ul style="list-style-type: none"> • Perimeter • Area of a rectangle and triangle (Yellow material) 	<ul style="list-style-type: none"> • Divisibility continued. • Area of a rectangle and triangle (Yellow material).
COSMIC	<ul style="list-style-type: none"> • Teeth Hygiene and Dental Unit Study. 	<ul style="list-style-type: none"> • Types of glaciers • Fresh Water Bodies 	<ul style="list-style-type: none"> • Physics concepts explained: All about pressure.
ART	<ul style="list-style-type: none"> • Botanical art and natural dyeing 	<ul style="list-style-type: none"> • Botanical art and natural dyeing 	<ul style="list-style-type: none"> • Botanical art and natural dyeing
PRACTICAL LIFE SENSORIAL	<ul style="list-style-type: none"> • Teeth Hygiene 	<ul style="list-style-type: none"> • Types of stitches • Hand embroidery projects 	<ul style="list-style-type: none"> • Types of stitches • Hand embroidery projects



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

September

	PRIMARY 3-6	LOWER EL 6-9	UPPER EL 9-12
LANGUAGE			
MATH			
COSMIC			
ART			
PRACTICAL LIFE SENSORIAL			

October

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LANGUAGE			
MATH			
COSMIC			
ART			
PRACTICAL LIFE SENSORIAL			

November

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LANGUAGE			
MATH			
COSMIC			
ART			
PRACTICAL LIFE SENSORIAL			

December

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LANGUAGE			
MATH			
COSMIC			
ART			
PRACTICAL LIFE SENSORIAL			

January

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LANGUAGE			
MATH			
COSMIC			
ART			
PRACTICAL LIFE SENSORIAL			

February

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LANGUAGE			
MATH			
COSMIC			
ART			
PRACTICAL LIFE SENSORIAL			

March

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LANGUAGE			
MATH			
COSMIC			
ART			
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April

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LANGUAGE			
MATH			
COSMIC			
ART			
PRACTICAL LIFE SENSORIAL			

May

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LANGUAGE			
MATH			
COSMIC			
ART			
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June

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LANGUAGE			
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COSMIC			
ART			
PRACTICAL LIFE SENSORIAL			

July

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LANGUAGE			
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ART			
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August

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LANGUAGE			
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