

EM1 (Elementary Math)

Course Curriculum

FALL SESSION (SEP - DEC) - 12 Classes	
Units	Topics
Unit 1A	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers, Numerations and Operations • Numbers and Forms, Addition • Adding Doubles, Word Problems <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Critical Thinking – Mystery Blocks, Puzzles • Sentence Detective, Coins Add Ups • Comparing Size, Making Sense with Words, Riddles
Unit 1B	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers, Numerations and Operations • Tens and Ones, Word Problems • Sequence of Numbers <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Language Arts – Silent 'e', Long Vowels • Describing Shapes – Select, Matching Shapes • Balance Benders, Tic Tac Math, Riddles
Unit 1C	Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking
Unit 1D	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers, Numerations and Operations • Congruent Figures, Money- Coins • Number Sequence, Operations <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • True of Both Words, Missing Vowels, Gizzers • Matching Puzzles, Box to Box, Filling Chart • Finding Polygon in a Design, Riddles
Unit 1E	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers, Numerations and Operations • Fractions, Algebra, Measurements

	<ul style="list-style-type: none"> • Sequence of Numbers, Least and Greatest <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Short Vowels, Silent Controlled Vowels • Describing Shapes – Select, Balance Benders • Inside Out Math Puzzle, Math Analogy, Riddles
Unit 1F	Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking
Unit 2A	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers, Numerations and Operations • Fractions, Addition and Subtraction • Number Sequence, Greater Than and Less Than <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Circle Train, Sweet Math, Count them Out • Matching Shapes, Describing Quadrilaterals • Separate Living thing from Non Living thing, Riddles
Unit 2B	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers, Numerations and Operations • Fractions, Measurements, Counting Parts • Addition, Multiplication of 2 and 3 <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Vowel – Digraphs, Diphthongs • Describing Shapes – Select, Balance Benders • Tic Tac Math, Math Analogy, Riddles
Unit 2C	Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking
Unit 2D	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers, Numerations and Operations • Multiplication Word Problems • Multiplies of 2 and 3, Operations <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Dollar Signs, Word Maze, Word Match • Filling chart, Combining Shapes, Matching Puzzles • Finding Shapes that Complete a Square, Riddles
Unit 2E	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers, Numerations and Operations • Fractions, Number Patterns • Possible Outcomes, Operations

	<p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Language Art-Consonant Blends and Diagraphs • Math analogy, Balance Benders • Puzzles Solving using Clues and Charts
Unit 2F	Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking
WINTER SESSIONS (JAN - MAR) - 12 Classes	
Unit 3A	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Measurements, Money - Coins • Data Analysis and Probability • Sequence of Numbers, Word Problems <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Missing Pattern Blocks, Mystery Letters • Filling Chart, Finding Shapes, Riddles • Describing Quadrilaterals, Reading Paragraphs
Unit 3B	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Measurements • Measurement – Feet, Miles, Pounds • Sequence of Numbers, Word Problems <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Syllables, Contractions, Balance Benders • Puzzles Solving using Clues and Charts • Math Analogy, Riddles
Unit 3C	Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking
Unit 3D	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Estimates, Money- Coins, Operations • Missing Words, Measurement Word Problems • Which Number Does Not Fit? <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Word Change, Filling Chart, Classifying Word Pairs • Finding and Tracing Patterns, Reading Paragraphs • Describing Solids, Combining Solids, Riddles
Unit 3E	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Measurements, Smarty Pants Puzzles • Analog Clocks, Number Sequence • Adding Time, Logical Thinking

	<p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Syllables, Contractions, Balance Benders • Puzzles Solving using Clues and Charts • Math Analogy, Riddles
Unit 3F	<p>Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking</p>
Unit 4A	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Numbers and Operations, Money – Coins • Equivalent Fractions, Subtraction • Time Word Problems, Calendar Month <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Filling chart, Describing Words-Select • Continue the Sequence of Numbers, Word Analogy • Describing Position, Riddles
Unit 4B	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Fractions, Matching Picture • Measurements – Miles • Algebra, Operations, Word problems <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Synonyms, Shades of Meaning, Antonyms • Puzzles Solving using Clues and Charts • Measuring Lengths, Balance Benders, Riddles
Unit 4C	<p>Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking</p>
Unit 4D	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Probability, Measurements • Fractions, Division, Operations • Estimate, Geometry 2D and 3D Shapes <p>Critical Thinking (Math Challenge):</p> <ul style="list-style-type: none"> • Match it Up, Describing Words-Select • Continue the Sequence of Numbers, Word Analogy • Filling Chart, Reading Paragraphs, Riddles
Unit 4E	<p>Math (Common Core):</p> <ul style="list-style-type: none"> • Missing Factor or Quotient • Addition and Doubling • Operations, Word Problems <p>Critical Thinking (Math Challenge):</p>

	<ul style="list-style-type: none"> • Prefixes, Suffixes and Roots • Puzzles Solving using Clues and Charts • Balance Benders, Riddles
Unit 4F	<i>Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking</i>
SPRING SESSION (APR - JUN) - 12 Classes	
Unit 5A	<p><i>Math (Common Core):</i></p> <ul style="list-style-type: none"> • Algebra, Temperature, Operations • Measurements, Geometry 3D Shapes • Fractions, Addition, Subtraction <p><i>Critical Thinking (Math Challenge):</i></p> <ul style="list-style-type: none"> • What’s in a Name, Word Analogy Pair • Vocabulary Words in Each Sentence, Riddles • Dividing Shapes into Equal Parts, Number sequence
Unit 5B	<p><i>Math (Common Core):</i></p> <ul style="list-style-type: none"> • Numbers, Operations and Numerations • Addition, Rounding, Perimeter • Probability, Operations, Geometry <p><i>Critical Thinking (Math Challenge):</i></p> <ul style="list-style-type: none"> • Sentences, Puzzles Solving using Clues and Charts • Word Problems using Data Sheets • Balance Benders
Unit 5C	<i>Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking</i>
Unit 5D	<p><i>Math (Common Core):</i></p> <ul style="list-style-type: none"> • Data Analysis, Fractions • Number patterns, Calendar Month • Measurement Word Problems <p><i>Critical Thinking (Math Challenge):</i></p> <ul style="list-style-type: none"> • Name that student, Describing Classes • Reading Paragraphs, Fractional Problems • Naming Points on the Number Line, Riddles
Unit 5E	<p><i>Math (Common Core):</i></p> <ul style="list-style-type: none"> • Data Analysis Graph • Find Mystery Objects, Division • Perimeter Word Problems <p><i>Critical Thinking (Math Challenge):</i></p>

	<ul style="list-style-type: none"> • Subject and Predicate, Nouns, Balance Benders • Puzzles Solving using Clues and Charts • Data Analysis Problems, Tic Tac Math, Riddles
Unit 5F	<i>Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking</i>
Unit 6A	<p><i>Math (Common Core):</i></p> <ul style="list-style-type: none"> • Geometry – Coordinates • Measurements, Balance Math, Operations • Data Analysis and Probability <p><i>Critical Thinking (Math Challenge):</i></p> <ul style="list-style-type: none"> • Data analysis, Reading Paragraphs • Matching Classes by Shapes, Patterns • Estimating with Decimals, Word Analogy Pair
Unit 6B	<p><i>Math (Common Core):</i></p> <ul style="list-style-type: none"> • Multiplication Tables, Geometric Solids • Measurements, Multiplication and Division • Shortest Paths, Data and Probability <p><i>Critical Thinking (Math Challenge):</i></p> <ul style="list-style-type: none"> • Nouns ,Pronouns, Math Analogies, Balance Benders • Puzzles Solving using Clues and Charts • Data Analysis, Riddles
Unit 6C	<i>Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking</i>
Unit 6D	<p><i>Math (Common Core):</i></p> <ul style="list-style-type: none"> • Distance Around Figures • Metric Units, Units of Temperature • Geometry, Word Problems <p><i>Critical Thinking (Math Challenge):</i></p> <ul style="list-style-type: none"> • Filling Charts, Data Analysis Problems • Reading Paragraphs, Analogies • Finding Shapes to Complete Each Group, Riddles
Unit 6E	<p><i>Math (Common Core):</i></p> <ul style="list-style-type: none"> • Distance Around Figures • Word Problems, Multiplication • Data Analysis and Probability, Geometry <p><i>Critical Thinking (Math Challenge):</i></p> <ul style="list-style-type: none"> • Pronouns, Adjectives

	<ul style="list-style-type: none">• Data Analysis Problems• Balance benders, Math Analogies, Riddles
Unit 6F	<i>Homework Review, 1 on 1 with Teacher, Bi-Weekly Test of Math and Critical Thinking</i>