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## Prekindergarten | Massachusetts Curriculum Framework for Mathematics (2019) Correlation to *Eureka Math*<sup>2</sup><sup>®</sup> (2027)

*Eureka Math*<sup>2</sup> is a research-proven math curriculum that empowers teachers to center instructional techniques on student success. Teachers can foster more “aha!” learning moments by providing the support needed for all learners to build a more confident math mindset.

This *Eureka Math*<sup>2</sup> edition builds on a strong foundation of effective instruction. It provides teachers with guidance on delivering rigorous instruction that honors student choice and encourages confident problem-solving.

*Eureka Math*<sup>2</sup> carefully sequences mathematical content to maximize vertical alignment from kindergarten through high school. This kind of sequencing has proven to be essential in students’ mastery of math.

### Teachability

*Eureka Math*<sup>2</sup> employs streamlined materials that allow teachers to plan more efficiently and focus their energy on delivering high-quality instruction that meets the individual needs of their students. Differentiation suggestions, slide decks, digital interactives, and multiple forms of assessment are just a few of the resources built into the teacher materials.

### Accessibility

*Eureka Math*<sup>2</sup> incorporates Universal Design for Learning (UDL) principles so all learners can access the mathematics and take on challenging math concepts. UDL, Differentiation, and Multilingual Learner supports are built into the instructional design and are clearly identified in the *Teach* book.

The curriculum also carries a focus on readability. By eliminating unnecessary words and using clear sentences, the *Eureka Math*<sup>2</sup> teacher-writers have created one of the most readable mathematics curricula on the market. The curriculum’s readability and accessibility help all students see themselves as mathematical thinkers and doers who are fully capable of owning their mathematics learning.

### Math Confidence

*Eureka Math*<sup>2</sup> fosters a classroom culture of learning by encouraging student-led discourse and cognitive engagement that results in confident learners. By leveraging consistent models, routines, and progressions, teachers can remove barriers and allow all students an avenue to success. Within the digital platform, each grade includes wordless videos and digital interactives that spark students’ curiosity and help them make conceptual connections. Using the *Learn* books, students wonder, explore, and make sense of mathematics, which helps them develop a strong, positive mathematical identity.

Standards for Mathematical Practice	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>MP.1</b> Make sense of problems and persevere in solving them.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p><b>MP.2</b> Reason abstractly and quantitatively.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p><b>MP.3</b> Construct viable arguments and critique the reasoning of others.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p><b>MP.4</b> Model with mathematics.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p><b>MP.5</b> Use appropriate tools strategically.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p><b>MP.6</b> Attend to precision.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p><b>MP.7</b> Look for and make use of structure.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p><b>MP.8</b> Look for and express regularity in repeated reasoning.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>

## Counting and Cardinality

Know number names and the count sequence.

### Massachusetts Curriculum Framework for Mathematics

### Aligned Components of *Eureka Math*<sup>2</sup>

Massachusetts Curriculum Framework for Mathematics	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<b>PK.CC.1</b> Listen to and say the names of numbers in meaningful contexts.	PK M1 Lesson 3: Crayon Group PK M1 Lesson 5: Sorting Bags PK M1 Lesson 6: Matching Markers PK M1 Lesson 7: Animal Count PK M1 Lesson 8: Let's Count! PK M1 Lesson 10: Written Numbers PK M1 Lesson 15: Let's Count! PK M1 Lesson 18: Forest Path Game PK M1 Lesson 25: More Written Numbers PK M1 Lesson 26: Count on the Rekenrek PK M1 Lesson 27: 5-Groups PK M1 Lesson 30: Let's Count and Record! PK M2 Lesson 17: Let's Count and Record! PK M3 Lesson 12: 1 More PK M3 Lesson 13: Number Stairs PK M3 Lesson 14: Number Detective PK M3 Lesson 15: Count on the Rekenrek PK M3 Lesson 16: Counting with Puppet PK M3 Lesson 17: Let's Count and Record! PK M5 Lesson 1: Bears on Stairs PK M5 Lesson 2: 1 Less PK M5 Lesson 3: 1 More, 1 Less

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<p><b>PK.CC.1 <i>continued</i></b></p>	<p>PK M5 Lesson 24: Let’s Count and Record!                      PK M6 Topic A: Project: Create a Business                      PK M6 Topic B: Project: Plan a Celebration                      PK M6 Topic C: Project: Care for Our Space</p>
<p><b>PK.CC.2</b>                      Recognize and name written numerals 0–10.</p>	<p>PK M1 Lesson 10: Written Numbers                      PK M1 Lesson 11: Match Game                      PK M1 Lesson 12: Count the Math Way                      PK M1 Lesson 13: Rosetta Stone                      PK M1 Lesson 14: Rice Scoops                      PK M1 Lesson 16: Number Recipe                      PK M1 Lesson 17: Bean Bag Toss                      PK M1 Lesson 21: How Many Ways?                      PK M1 Lesson 22: Animal Sort                      PK M1 Lesson 25: More Written Numbers                      PK M1 Lesson 29: Match Game                      PK M1 Lesson 31: Match or No Match?                      PK M1 Lesson 32: Make It Match                      PK M1 Lesson 34: Culminating Activity                      PK M6 Topic A: Project: Create a Business                      PK M6 Topic B: Project: Plan a Celebration</p>

## Counting and Cardinality

Count to tell the number of objects.

### Massachusetts Curriculum Framework for Mathematics

### Aligned Components of *Eureka Math*<sup>2</sup>

#### PK.CC.3

Understand the relationships between numerals and quantities up to 10.

PK M1 Lesson 7: Animal Count  
PK M1 Lesson 8: Let's Count!  
PK M1 Lesson 9: How Many?  
PK M1 Lesson 10: Written Numbers  
PK M1 Lesson 11: Match Game  
PK M1 Lesson 12: Count the Math Way  
PK M1 Lesson 13: Rosetta Stone  
PK M1 Lesson 14: Rice Scoops  
PK M1 Lesson 15: Let's Count  
PK M1 Lesson 16: Number Recipe  
PK M1 Lesson 17: Bean Bag Toss  
PK M1 Lesson 21: How Many Ways?  
PK M1 Lesson 22: Animal Sort  
PK M1 Lesson 24: Mystery Eggs  
PK M1 Lesson 25: More Written Numbers  
PK M1 Lesson 28: Counting with Puppet  
PK M1 Lesson 29: Match Game  
PK M1 Lesson 30: Let's Count and Record!  
PK M1 Lesson 31: Match or No Match?  
PK M1 Lesson 32: Make It Match  
PK M1 Lesson 34: Culminating Activity  
PK M2 Lesson 17: Let's Count and Record!

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<p><b>PK.CC.3 <i>continued</i></b></p>	<p>PK M3 Lesson 10: Decompose 8 and 9</p> <p>PK M3 Lesson 11: Decompose 10</p> <p>PK M3 Lesson 7: Do You See 5?</p> <p>PK M3 Lesson 9: Decompose 6 and 7</p> <p>PK M3 Lesson 17: Let’s Count and Record!</p> <p>PK M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic B: Project: Plan a Celebration</p> <p>PK M6 Topic C: Project: Care for Our Space</p>
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**Counting and Cardinality**

Compare numbers.

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<p><b>PK.CC.4</b></p> <p>Count many kinds of concrete objects and actions up to ten, using one-to-one correspondence, and accurately count as many as seven things in a scattered configuration. Recognize the “one more,” “one less” patterns.</p>	<p>PK M1 Lesson 3: Crayon Group</p> <p>PK M1 Lesson 5: Sorting Bags</p> <p>PK M1 Lesson 6: Matching Markers</p> <p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 9: How Many?</p> <p>PK M1 Lesson 10: Written Numbers</p> <p>PK M1 Lesson 11: Match Game</p> <p>PK M1 Lesson 12: Count the Math Way</p> <p>PK M1 Lesson 13: Rosetta Stone</p>
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<b>PK.CC.4 <i>continued</i></b>	PK M1 Lesson 14: Rice Scoops PK M1 Lesson 15: Let’s Count PK M1 Lesson 16: Number Recipe PK M1 Lesson 17: Bean Bag Toss PK M1 Lesson 18: Forest Path Game PK M1 Lesson 19: Math Stories PK M1 Lesson 21: How Many Ways? PK M1 Lesson 22: Animal Sort PK M1 Lesson 24: Mystery Eggs PK M1 Lesson 25: More Written Numbers PK M1 Lesson 26: Count on the Rekenrek PK M1 Lesson 27: 5-Groups PK M1 Lesson 28: Counting with Puppet PK M1 Lesson 29: Match Game PK M1 Lesson 30: Let’s Count and Record! PK M1 Lesson 31: Match or No Match? PK M1 Lesson 32: Make It Match PK M1 Lesson 33: Dinosaur World PK M1 Lesson 34: Culminating Activity PK M2 Lesson 17: Let’s Count and Record! PK M3 Lesson 7: Do You See 5? PK M3 Lesson 8: Make Your Own Rekenrek! PK M3 Lesson 9: Decompose 6 and 7

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<p><b>PK.CC.4 <i>continued</i></b></p>	<p>PK M3 Lesson 10: Decompose 8 and 9</p> <p>PK M3 Lesson 11: Decompose 10</p> <p>PK M3 Lesson 12: 1 More</p> <p>PK M3 Lesson 13: Number Stairs</p> <p>PK M3 Lesson 14: Number Detective</p> <p>PK M3 Lesson 15: Count on the Rekenrek</p> <p>PK M3 Lesson 16: Counting with Puppet</p> <p>PK M3 Lesson 17: Let’s Count and Record!</p> <p>PK M5 Lesson 1: Bears on Stairs</p> <p>PK M5 Lesson 2: 1 Less</p> <p>PK M5 Lesson 3: 1 More, 1 Less</p> <p>PK M5 Lesson 4: 1 More, 1 Less the Math Way</p> <p>PK M5 Lesson 16: Show and Hide Fingers</p> <p>PK M5 Lesson 24: Let’s Count and Record!</p> <p>PK M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic B: Project: Plan a Celebration</p> <p>PK M6 Topic C: Project: Care for Our Space</p>
<p><b>PK.CC.5</b></p> <p>Use comparative language, such as <i>more/less than, equal to</i>, to compare and describe collections of objects.</p>	<p>PK M4 Lesson 14: More or Fewer</p> <p>PK M4 Lesson 15: Trains</p> <p>PK M4 Lesson 16: Are There Enough?</p> <p>PK M4 Lesson 17: Let’s Count and Compare!</p> <p>PK M4 Lesson 18: How Many Crayons?</p> <p>PK M4 Lesson 19: Compare Groups</p>

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<p><b>PK.CC.5 <i>continued</i></b></p>	<p>PK M4 Lesson 20: Explore Area</p> <p>PK M4 Lesson 21: How Many Scoops?</p> <p>PK M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic B: Project: Plan a Celebration</p> <p>PK M6 Topic C: Project: Care for Our Space</p>
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**Operations and Algebraic Thinking**

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

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<p><b>PK.OA.1</b></p> <p>Use concrete objects to model real-world addition (putting together) and subtraction (taking away) problems up through five.</p>	<p>PK M1 Lesson 3: Crayon Group</p> <p>PK M1 Lesson 5: Sorting Bags</p> <p>PK M1 Lesson 6: Matching Markers</p> <p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 10: Written Numbers</p> <p>PK M1 Lesson 15: Let’s Count!</p> <p>PK M1 Lesson 25: More Written Numbers</p> <p>PK M1 Lesson 26: Count on the Rekenrek</p> <p>PK M1 Lesson 27: 5-Groups</p> <p>PK M1 Lesson 30: Let’s Count and Record!</p> <p>PK M2 Lesson 17: Let’s Count and Record!</p> <p>PK M3 Lesson 3: Decompose 3</p> <p>PK M3 Lesson 4: Decompose 4</p> <p>PK M3 Lesson 5: Decompose 5</p>
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<p><b>PK.OA.1 <i>continued</i></b></p>	<p>PK M3 Lesson 6: 5-Piece Puzzles</p> <p>PK M3 Lesson 12: 1 More</p> <p>PK M3 Lesson 13: Number Stairs</p> <p>PK M3 Lesson 14: Number Detective</p> <p>PK M3 Lesson 15: Count on the Rekenrek</p> <p>PK M3 Lesson 16: Counting with Puppet</p> <p>PK M3 Lesson 17: Let’s Count and Record!</p> <p>PK M5 Lesson 1: Bears on Stairs</p> <p>PK M5 Lesson 2: 1 Less</p> <p>PK M5 Lesson 3: 1 More, 1 Less</p> <p>PK M5 Lesson 4: 1 More, 1 Less the Math Way</p> <p>PK M5 Lesson 5: Market Math</p> <p>PK M5 Lesson 6: Dinosaur Splash</p> <p>PK M5 Lesson 7: Draw Math Stories: Addition</p> <p>PK M5 Lesson 8: Math Tools</p> <p>PK M5 Lesson 9: Mental Movies: Addition</p> <p>PK M5 Lesson 10: Train Stories: Addition</p> <p>PK M5 Lesson 11: Break Apart 5</p> <p>PK M5 Lesson 12: Match Game: Make 4</p> <p>PK M5 Lesson 13: Turtle Time</p> <p>PK M5 Lesson 14: Sorting Apples</p> <p>PK M5 Lesson 15: Under the Sea</p> <p>PK M5 Lesson 16: Show and Hide Fingers</p> <p>PK M5 Lesson 17: Draw Math Stories: Subtraction</p> <p>PK M5 Lesson 18: Represent Puffins at the Sea</p>
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<p><b>PK.OA.1 <i>continued</i></b></p>	<p>PK M5 Lesson 19: Mental Movies: Subtraction</p> <p>PK M5 Lesson 20: Train Stories: Subtraction</p> <p>PK M5 Lesson 24: Let’s Count and Record!</p> <p>PK M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic C: Project: Care for Our Space</p>
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**Measurement and Data**

**Describe and compare measurable attributes.**

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**Aligned Components of *Eureka Math*<sup>2</sup>**

<p><b>PK.MD.1</b></p> <p>Recognize the attributes of length, area, weight, and capacity of everyday objects using appropriate vocabulary (e.g., <i>long, short, tall, heavy, light, big, small, wide, narrow</i>).</p>	<p>PK M4 Lesson 1: Big or Small</p> <p>PK M4 Lesson 2: Puppet’s Bed</p> <p>PK M4 Lesson 3: Explore Capacity</p> <p>PK M4 Lesson 4: How Much Juice?</p> <p>PK M4 Lesson 5: Tall or Short</p> <p>PK M4 Lesson 6: Compare Heights</p> <p>PK M4 Lesson 7: Compare Lengths</p> <p>PK M4 Lesson 8: Compare by Using Numbers</p> <p>PK M4 Lesson 9: Straw Line Up</p> <p>PK M4 Lesson 10: Heavy or Light</p> <p>PK M4 Lesson 11: Compare Weights</p> <p>PK M4 Lesson 12: Balance Scale</p> <p>PK M4 Lesson 13: Collect Data and Compare</p>
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<p><b>PK.MD.1 <i>continued</i></b></p>	<p>PK M4 Lesson 21: How Many Scoops?                  PK M4 Lesson 22: Compare Attributes                  PK M6 Topic C: Project: Care for Our Space</p>
<p><b>PK.MD.2</b></p> <p>Compare the attributes of length and weight for two objects, including longer/shorter, same length; heavier/lighter, same weight; holds more/less, holds the same amount.</p>	<p>PK M4 Lesson 2: Puppet’s Bed                  PK M4 Lesson 3: Explore Capacity                  PK M4 Lesson 4: How Much Juice?                  PK M4 Lesson 5: Tall or Short                  PK M4 Lesson 6: Compare Heights                  PK M4 Lesson 7: Compare Lengths                  PK M4 Lesson 8: Compare by Using Numbers                  PK M4 Lesson 9: Straw Line Up                  PK M4 Lesson 10: Heavy or Light                  PK M4 Lesson 11: Compare Weights                  PK M4 Lesson 12: Balance Scale                  PK M4 Lesson 13: Collect Data and Compare                  PK M4 Lesson 21: How Many Scoops?                  PK M4 Lesson 22: Compare Attributes                  PK M6 Topic C: Project: Care for Our Space</p>

## Measurement and Data

Classify objects and count the number of objects in each category.

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<p><b>PK.MD.3</b></p> <p>Sort, categorize, and classify objects by more than one attribute.</p>	<p>PK M1 Lesson 1: Make a Match</p> <p>PK M1 Lesson 2: Same and Different</p> <p>PK M1 Lesson 3: Crayon Group</p> <p>PK M1 Lesson 4: Crayon and Marker Sort</p> <p>PK M1 Lesson 5: Sorting Bags</p> <p>PK M1 Lesson 20: Character Sort</p> <p>PK M1 Lesson 21: How Many Ways?</p> <p>PK M1 Lesson 22: Animal Sort</p> <p>PK M1 Lesson 23: Story Cards</p> <p>PK M1 Lesson 24: Mystery Eggs</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M2 Lesson 6: Sort the Shapes</p> <p>PK M6 Topic A: Project: Create a Business</p>

## Measurement and Data

Work with money.

Massachusetts Curriculum Framework for Mathematics	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>PK.MD.4</b></p> <p>Recognize that certain objects are coins and that dollars and coins represent money.</p>	<p>PK M6 Topic A: Project: Create a Business</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>

## Geometry

Identify and describe shapes (squares, circles, triangles, rectangles).

Massachusetts Curriculum Framework for Mathematics	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>PK.G.1</b></p> <p>Identify relative positions of objects in space, and use appropriate language (e.g., <i>beside</i>, <i>inside</i>, <i>next to</i>, <i>close to</i>, <i>above</i>, <i>below</i>, <i>apart</i>).</p>	<p>PK M2 Lesson 1: Where Is Rosie?</p> <p>PK M2 Lesson 2: Use the Clues</p> <p>PK M2 Lesson 3: Build a Map</p> <p>PK M2 Lesson 8: Shape Games</p> <p>PK M5 Lesson 21: Create Patterns</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>PK.G.2</b></p> <p>Identify various two-dimensional shapes using appropriate language.</p>	<p>PK M2 Lesson 4: Shapes in Art</p> <p>PK M2 Lesson 5: Circles</p> <p>PK M2 Lesson 6: Sort the Shapes</p> <p>PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles</p> <p>PK M2 Lesson 8: Shape Games</p> <p>PK M2 Lesson 11: Build Shapes</p> <p>PK M2 Lesson 12: Build My Shape</p> <p>PK M2 Lesson 14: Puppet’s Picture</p>

## Geometry

Analyze, compare, create, and compose shapes.

Massachusetts Curriculum Framework for Mathematics	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>PK.G.3</b></p> <p>Create and represent three-dimensional shapes (ball/sphere, square box/cube, tube/cylinder) using various manipulative materials.</p>	<p>PK M2 Lesson 4: Shapes in Art</p> <p>PK M2 Lesson 5: Circles</p> <p>PK M2 Lesson 6: Sort the Shapes</p> <p>PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles</p> <p>PK M2 Lesson 9: Shape Pictures</p> <p>PK M2 Lesson 10: Shape Puzzles</p> <p>PK M2 Lesson 11: Build Shapes</p> <p>PK M2 Lesson 12: Build My Shape</p> <p>PK M2 Lesson 13: Shape Towers</p> <p>PK M2 Lesson 14: Puppet’s Picture</p> <p>PK M2 Lesson 15: Roll, Slide, or Stack</p> <p>PK M2 Lesson 16: Pyramids!</p> <p>PK M3 Lesson 1: How Many Parts?</p> <p>PK M3 Lesson 2: Bunny Puzzles</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>