

## Prekindergarten | District of Columbia Early Learning Standards Correlation to *Eureka Math*<sup>2</sup>®

When the original *Eureka Math*<sup>®</sup> curriculum was released, it quickly became the most widely used K–5 mathematics curriculum in the country. Now, the Great Minds<sup>®</sup> teacher–writers have created *Eureka Math*<sup>2</sup>®, a groundbreaking new curriculum that helps teachers deliver *exponentially better* math instruction while still providing students with the same deep understanding of and fluency in math. *Eureka Math*<sup>2</sup> carefully sequences mathematical content to maximize vertical alignment—a principle tested and proven to be essential in students’ mastery of math—from prekindergarten through high school.

While this innovative new curriculum includes all the trademark *Eureka Math* aha moments that have been delighting students and teachers for years, it also boasts these exciting new features:

### 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 right into the teacher materials.

### Accessibility

*Eureka Math*<sup>2</sup> incorporates Universal Design for Learning principles so all learners can access the mathematics and take on challenging math concepts. Student supports are built into the instructional design and are clearly identified in the *Teach* book. Further, the curriculum carries a focus on readability. By eliminating unnecessary words and using simple, 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.

### Digital Engagement

The digital elements of *Eureka Math*<sup>2</sup> add to students’ engagement with the math. The curriculum provides teachers with digital slides for select lessons. In addition, each grade level includes wordless videos that spark students’ interest and curiosity. Students at all levels work through mathematical explorations that help lead to their own mathematical discoveries. Videos provide opportunities for students to wonder, explore, and make sense of mathematics, which contributes to the development of 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>

## Matches, groups and classifies objects

### Classification

District of Columbia Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>14a</b></p> <p>Groups objects according to a common characteristic, regroupes them according to a different characteristic and explains the grouping rules</p>	<p>PK M1 Topic A: Use Attributes to Match and Sort</p> <p>PK M1 Topic E: Sort to Decompose</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M5 Lesson 14: Sorting Apples</p> <p>PK M6 Topic A: Project: Create a Business</p>

## Matches, groups and classifies objects

### Patterns

District of Columbia Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>14b</b></p> <p>Creates and extends simple repeating patterns</p>	<p>PK M3 Topic D: Use Structure to Analyze Patterns</p> <p>PK M5 Lesson 21: Create Patterns</p> <p>PK M5 Lesson 22: Music and Movement</p> <p>PK M5 Lesson 23: Patterns Everywhere</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>

## Demonstrates knowledge of numbers and counting

### Knows Number Names and the Count Sequence

District of Columbia Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<b>15a</b> Counts to 20 by ones	PK M1 Lesson 3: Crayon Group PK M1 Lesson 6: Matching Markers PK M1 Lesson 8: Let’s Count! PK M1 Lesson 10: Written Numbers PK M1 Lesson 15: Let’s Count! 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 Topic C: Analyze the Count Sequence PK M5 Lesson 24: Let’s Count and Record! PK M6 Topic A: Project: Create a Business PK M6 Topic C: Project: Care for Our Space  <i>This standard is addressed by Fluency Anytime activities suggested for each module.</i>

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

<p><b>15b</b></p> <p>Tells what number comes next in the counting sequence when given a number between 1 and 9</p>	<p>PK M1 Lesson 10: Written Numbers</p> <p>PK M1 Lesson 14: Rice Scoops</p> <p>PK M1 Lesson 25: More Written Numbers</p> <p>PK M1 Lesson 26: Count on the Rekenrek</p> <p>PK M3 Topic C: Analyze the Count Sequence</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><b>15c</b></p> <p>Recognizes and names the written numerals 1–10</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> <p>PK M1 Lesson 14: Rice Scoops</p> <p>PK M1 Lesson 16: Number Recipe</p> <p>PK M1 Lesson 17: Bean Bag Toss</p> <p>PK M1 Lesson 21: How Many Ways?</p> <p>PK M1 Lesson 22: Animal Sort</p> <p>PK M1 Lesson 25: More Written Numbers</p> <p>PK M1 Lesson 29: Match Game</p> <p>PK M1 Lesson 31: Match or No Match?</p> <p>PK M1 Lesson 32: Make It Match</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>

## Demonstrates knowledge of numbers and counting

### Counts to Tell the Number of Objects

District of Columbia Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>15d</b></p> <p>Counts 10–20 objects accurately, using one number name for each object</p>	<p>PK M1 Lesson 8: Let’s Count!</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 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>
<p><b>15e</b></p> <p>Understands that the last number named tells the number of objects counted and that the number of objects is the same regardless of their arrangement or the order in which they were counted</p>	<p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 14: Rice Scoops</p> <p>PK M1 Lesson 15: Let’s Count!</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 17: 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>
<p><b>15f</b></p> <p>Counts to answer “How many?” questions about 10–20 objects</p>	<p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 9: How Many?</p> <p>PK M1 Lesson 28: Counting with Puppet</p> <p>PK M1 Lesson 29: Match Game</p> <p>PK M1 Lesson 30: Let’s Count and Record!</p>

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<p><b>15f</b> <i>continued</i></p>	<p>PK M1 Lesson 34: Culminating Activity            PK M2 Lesson 17: Let’s Count and Record!            PK M3 Lesson 11: Decompose 10            PK M3 Lesson 17: Let’s Count and Record!            PK M6 Topic A: Project: Create a Business            PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>15g</b>            Correctly associates a numeral with a group of as many as 10 counted objects</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>

## Demonstrates knowledge of numbers and counting

### Compares Numbers

District of Columbia Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>15h</b></p> <p>Uses matching and counting strategies and comparative language to identify whether the number of objects in one group (as many as 10 objects) is greater than, less than or equal to the number of objects in another group (as many as 10 objects)</p>	<p>PK M4 Topic D: Compare Sets</p> <p>PK M4 Lesson 18: How Many Crayons?</p> <p>PK M4 Lesson 19: Compare Groups</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>

## Demonstrates knowledge of numbers and counting

### Understands Addition as Putting Together and Adding to and Understands Subtraction as Taking Apart and Taking From

District of Columbia Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>15i</b></p> <p>Uses concrete objects to solve real-world addition (putting together) and subtraction (taking away) problems with 6–10 objects</p>	<p>PK M5 Lesson 3: 1 More, 1 Less</p> <p>PK M5 Lesson 5: Market Math</p> <p>PK M5 Lesson 8: Math Tools</p> <p>PK M5 Topic D: Represent Subtraction Stories</p> <p>PK M6 Topic C: Project: Care for Our Space</p>



## Demonstrates knowledge of volume, height, weight and length

### Describes and Compares Measurable Attributes

District of Columbia Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>16a</b></p> <p>Describes everyday objects in terms of measurable attributes, such as length, height, weight or volume (capacity), using appropriate basic vocabulary (e.g., short, long, tall, heavy, light, big, small, wide, narrow)</p>	<p>PK M4 Lesson 3: Explore Capacity</p> <p>PK M4 Lesson 4: How Much Juice?</p> <p>PK M4 Topic B: Compare Heights and Lengths</p> <p>PK M4 Topic C: Compare Weights</p> <p>PK M4 Lesson 21: How Many Scoops?</p> <p>PK M4 Lesson 22: Compare Attributes</p> <p>PK M6 Topic C: Project: Care for Our Space</p>
<p><b>16b</b></p> <p>Knows and correctly uses a few ordinal numbers</p>	<p>PK M5 Lesson 21: Create Patterns</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>16c</b></p> <p>Knows the usual sequence of basic daily events</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

## Identifies and labels shapes

### Identifies and Describes Shapes and the Relative Position of Objects

District of Columbia Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>17a</b></p> <p>Correctly names basic two-dimensional shapes (squares, circles, triangles, rectangles), regardless of their orientations or size</p>	<p>PK M2 Lesson 5: Circles</p> <p>PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles</p> <p>PK M2 Lesson 8: Shape Games</p> <p>PK M2 Lesson 14: Puppet’s Picture</p>
<p><b>17b</b></p> <p>Describes basic two- and three-dimensional shapes</p>	<p>PK M2 Topic B: Analyze and Name Two-Dimensional Shapes</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><b>17c</b></p> <p>Builds objects of basic shapes (ball/sphere, square box/cube, tube/cylinder) by using various materials such as craft sticks, blocks, pipe cleaners, clay and so on</p>	<p>PK M2 Lesson 11: Build Shapes</p> <p>PK M2 Lesson 12: Build My Shape</p>

**Demonstrates understanding of positional words**

**Identifies and Describes Shapes and the Relative Position of Objects**

<b>District of Columbia Early Learning Standards</b>	<b>Aligned Components of <i>Eureka Math</i><sup>2</sup></b>
<b>18a</b> Identifies the relative position of objects, using appropriate terms such as above, below, in front of, behind, over, under	PK M2 Topic A: Spatial Relations PK M2 Lesson 8: Shape Games