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## Prekindergarten | Kentucky's Early Childhood 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>

**Demonstrates mathematical concepts and skills during play and other activities.**

**1.1 Demonstrates understanding of counting and cardinality.**

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.1.1</b></p> <p>Rote counts in sequence to 5 and beyond.</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 Topic C: Analyze the Count Sequence</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 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>
<p><b>1.1.2</b></p> <p>Recognizes that a single object is always “one” regardless of size, shape, and/or other attributes.</p>	<p><i>This standard is fully addressed as students engage in counting throughout each module.</i></p>

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<p><b>1.1.3</b></p> <p>Keeps one-to-one correspondence between counting words and objects (one number word for each object) for small groups of objects.</p>	<p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 15: Let’s Count!</p> <p>PK M1 Lesson 18: Forest Path Game</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>1.1.4</b></p> <p>Accurately counts a set or sets of objects to 5 and beyond and answers the question “how many.”</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 14: Rice Scoops</p> <p>PK M1 Lesson 15: Let’s Count!</p> <p>PK M1 Topic D: Count Out a Set of Up to 5 Objects</p> <p>PK M1 Lesson 24: Mystery Eggs</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> <p>PK M1 Topic G: Count Out a Set of Up to 10 Objects</p> <p>PK M2 Lesson 17: Let’s Count and Record!</p> <p>PK M3 Topic B: Use Structure to Explore Numbers 6–10</p> <p>PK M3 Lesson 13: Number Stairs</p>

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<p><b>1.1.4</b> <i>continued</i></p>	<p>PK M3 Lesson 17: Let’s Count and Record!                      PK M5 Lesson 4: 1 More, 1 Less the Math Way                      PK M5 Lesson 16: Show and Hide Fingers                      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>1.1.5</b></p> <p>Effortlessly states the number of objects in a small collection of 1–4 items without counting.</p>	<p>PK M1 Lesson 7: Animal Count                      PK M1 Lesson 11: Match Game                      PK M1 Lesson 29: Match Game                      PK M3 Lesson 7: Do You See 5?</p>
<p><b>1.1.6</b></p> <p>Compares two sets of 1–5 concrete objects and uses language such as more, less, or same as to describe the comparison.</p>	<p>PK M4 Topic D: Compare Sets                      PK M4 Lesson 18: How Many Crayons?                      PK M4 Lesson 19: Compare Groups                      PK M4 Lesson 20: Explore Area                      PK M4 Lesson 21: How Many Scoops?                      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>1.1.7</b></p> <p>Recognizes and identifies some numerals.</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</p>

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.1.7</b> <i>continued</i></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>
<p><b>1.1.8</b></p> <p>Scribbles, marks, or writes numerals on the paper to represent a number or quantity.</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>

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.1.8</b> <i>continued</i></p>	<p>PK M1 Lesson 34: Culminating Activity                      PK M6 Topic A: Project: Create a Business                      PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>1.1.9</b>                      Uses math language to express quantity in everyday experiences.</p>	<p>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>

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**1.2 Identifies and uses common shapes and concepts about position.**

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.2.1</b>                      Recognizes and names some basic shapes.</p>	<p>PK M2 Lesson 5: Circles                      PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles                      PK M2 Lesson 8: Shape Games                      PK M2 Lesson 14: Puppet’s Picture</p>
<p><b>1.2.2</b>                      Describes and compares the characteristics of basic shapes using descriptive and geometric language.</p>	<p>PK M2 Lesson 4: Shapes in Art                      PK M2 Lesson 5: Circles                      PK M2 Lesson 6: Sort the Shapes                      PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles                      PK M2 Lesson 11: Build Shapes                      PK M2 Lesson 12: Build My Shape                      PK M2 Lesson 13: Shape Towers                      PK M2 Lesson 15: Roll, Slide, or Stack</p>

Kentucky's Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.2.3</b></p> <p>Combines and separates 2D and 3D shapes to make other shapes or designs.</p>	<p>PK M2 Lesson 9: Shape Pictures</p> <p>PK M2 Lesson 10: Shape Puzzles</p> <p>PK M2 Lesson 13: Shape Towers</p> <p>PK M2 Lesson 14: Puppet's Picture</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>
<p><b>1.2.4</b></p> <p>Completes simple puzzles.</p>	<p>PK M2 Lesson 10: Shape Puzzles</p> <p>PK M3 Lesson 1: How Many Parts?</p> <p>PK M3 Lesson 2: Bunny Puzzles</p>
<p><b>1.2.5</b></p> <p>Identifies the shape of objects in the environment.</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>1.2.6</b></p> <p>Identifies parts of a whole.</p>	<p>PK M2 Lesson 9: Shape Pictures</p> <p>PK M2 Lesson 10: Shape Puzzles</p> <p>PK M2 Lesson 13: Shape Towers</p> <p>PK M2 Lesson 14: Puppet's Picture</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>



Kentucky's Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.2.7</b></p> <p>Demonstrates knowledge of the relative position of objects.</p>	<p>PK M2 Topic A: Spatial Relations</p> <p>PK M2 Lesson 8: Shape Games</p>
<p><b>1.2.8</b></p> <p>Uses words that indicate directionality, order and position of objects.</p>	<p>PK M2 Topic A: Spatial Relations</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>

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**1.3 Uses the attributes of objects for comparison and patterning.**

Kentucky's Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.3.1</b></p> <p>Describes objects by one or more attributes.</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 M6 Topic A: Project: Create a Business</p>
<p><b>1.3.2</b></p> <p>Matches objects.</p>	<p>PK M1 Lesson 1: Make a Match</p> <p>PK M1 Lesson 2: Same and Different</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M6 Topic A: Project: Create a Business</p>

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.3.3</b></p> <p>Sorts and classifies objects by one or more attributes.</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 Topic E: Sort to Decompose</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M4 Lesson 19: Compare Groups</p> <p>PK M5 Lesson 14: Sorting Apples</p> <p>PK M6 Topic A: Project: Create a Business</p>
<p><b>1.3.4</b></p> <p>Recognizes, duplicates 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>
<p><b>1.3.5</b></p> <p>Creates original patterns that repeat.</p>	<p>PK M3 Lesson 21: A Story in Strings</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 mathematical concepts and skills during play and other activities.**

**1.4 Describes and compares measurable attributes of objects.**

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>1.4.1</b> Compares and/or orders objects using attributes of length, weight and size.</p>	<p>PK M4 Lesson 3: Explore Capacity                      PK M4 Lesson 4: How Much Juice?                      PK M4 Topic B: Compare Heights and Lengths                      PK M4 Topic C: Compare Weights                      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>1.4.2</b> Uses tools to explore measurement.</p>	<p>PK M4 Lesson 12: Balance Scale                      PK M4 Lesson 21: How Many Scoops?                      PK M4 Lesson 22: Compare Attributes  <i>Supplemental material is necessary to address this standard.</i></p>
<p><b>1.4.3</b> Explores, compares, and describes length, weight or capacity using nonstandard units.</p>	<p>PK M6 Topic C: Project: Care for Our Space  <i>Supplemental material is necessary to address this standard.</i></p>
<p><b>1.4.4</b> Shows awareness of simple time concepts.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>
<p><b>1.4.5</b> Demonstrates understanding of the sequence of events and relative length of time associated with some common activities.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>