
Prekindergarten | Kentucky's Early Childhood Standards (2021) Correlation to *Eureka Math*²[®] (2027)

*Eureka Math*² 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*² 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*² 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*² 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*² 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*² 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*² 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> ²
<p>MP.1 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>MP.2 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>MP.3 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>MP.4 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>MP.5 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>MP.6 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>MP.7 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>MP.8 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> ²
<p>1.1.1 Rote counts in sequence to 5 and beyond.</p>	<p>PK M1 Lesson 3: Crayon Group PK M1 Lesson 5: Sorting Bags 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 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 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</p>

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> ²
<p>1.1.2</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>
<p>1.1.3</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>1.1.4</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 Lesson 16: Number Recipe</p> <p>PK M1 Lesson 17: Bean Bag Toss</p> <p>PK M1 Lesson 18: Forest Path Game</p> <p>PK M1 Lesson 19: Math Stories</p> <p>PK M1 Lesson 24: Mystery Eggs</p>

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Aligned Components of *Eureka Math*²

<p>1.1.4 <i>continued</i></p>	<p>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 PK M3 Lesson 10: Decompose 8 and 9 PK M3 Lesson 11: Decompose 10 PK M3 Lesson 13: Number Stairs 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>1.1.5 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>

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<p>1.1.6</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 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> <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>
<p>1.1.7</p> <p>Recognizes and identifies some numerals.</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>

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<p>1.1.7 <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>1.1.8 Scribbles, marks, or writes numerals on the paper to represent a number or quantity.</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>
<p>1.1.9 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>

Demonstrates mathematical concepts and skills during play and other activities.

1.2 Identifies and uses common shapes and concepts about position.

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> ²
<p>1.2.1 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>1.2.2 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>
<p>1.2.3 Combines and separates 2D and 3D shapes to make other shapes or designs.</p>	<p>PK M2 Lesson 9: Shape Pictures PK M2 Lesson 10: Shape Puzzles PK M2 Lesson 13: Shape Towers PK M2 Lesson 14: Puppet’s Picture PK M2 Lesson 16: Pyramids! PK M3 Lesson 1: How Many Parts? PK M3 Lesson 2: Bunny Puzzles PK M6 Topic B: Project: Plan a Celebration</p>

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<p>1.2.4 Completes simple puzzles.</p>	<p>PK M2 Lesson 10: Shape Puzzles PK M3 Lesson 1: How Many Parts? PK M3 Lesson 2: Bunny Puzzles</p>
<p>1.2.5 Identifies the shape of objects in the environment.</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>1.2.6 Identifies parts of a whole.</p>	<p>PK M2 Lesson 9: Shape Pictures PK M2 Lesson 10: Shape Puzzles PK M2 Lesson 13: Shape Towers PK M2 Lesson 14: Puppet’s Picture PK M2 Lesson 16: Pyramids! PK M3 Lesson 1: How Many Parts? PK M3 Lesson 2: Bunny Puzzles PK M6 Topic B: Project: Plan a Celebration</p>
<p>1.2.7 Demonstrates knowledge of the relative position of objects.</p>	<p>PK M2 Lesson 1: Where Is Rosie? PK M2 Lesson 2: Use the Clues PK M2 Lesson 3: Build a Map PK M2 Lesson 8: Shape Games</p>

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<p>1.2.8</p> <p>Uses words that indicate directionality, order and position of objects.</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>

Demonstrates mathematical concepts and skills during play and other activities.
1.3 Uses the attributes of objects for comparison and patterning.

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> ²
<p>1.3.1</p> <p>Describes objects by one or more attributes.</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 M6 Topic A: Project: Create a Business</p>

Kentucky’s Early Childhood Standards	Aligned Components of <i>Eureka Math</i> ²
<p>1.3.2 Matches objects.</p>	<p>PK M1 Lesson 1: Make a Match PK M1 Lesson 2: Same and Different PK M1 Lesson 34: Culminating Activity PK M6 Topic A: Project: Create a Business</p>
<p>1.3.3 Sorts and classifies objects by one or more attributes.</p>	<p>PK M1 Lesson 3: Crayon Group PK M1 Lesson 4: Crayon and Marker Sort PK M1 Lesson 5: Sorting Bags PK M1 Lesson 20: Character Sort PK M1 Lesson 21: How Many Ways? PK M1 Lesson 22: Animal Sort PK M1 Lesson 23: Story Cards PK M1 Lesson 24: Mystery Eggs PK M1 Lesson 34: Culminating Activity PK M4 Lesson 19: Compare Groups PK M5 Lesson 14: Sorting Apples PK M6 Topic A: Project: Create a Business</p>

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<p>1.3.4</p> <p>Recognizes, duplicates and extends simple repeating patterns.</p>	<p>PK M3 Lesson 18: Pattern Units</p> <p>PK M3 Lesson 19: Number Cha-Cha</p> <p>PK M3 Lesson 20: Find the Missing Piece</p> <p>PK M3 Lesson 21: A Story in Strings</p> <p>PK M3 Lesson 22: Red Light, Green Light!</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>1.3.5</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> ²
<p>1.4.1</p> <p>Compares and/or orders objects using attributes of length, weight and size.</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> <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>1.4.2</p> <p>Uses tools to explore measurement.</p>	<p>PK M4 Lesson 12: Balance Scale</p> <p>PK M4 Lesson 21: How Many Scoops?</p> <p>PK M4 Lesson 22: Compare Attributes</p> <p><i>Supplemental material is necessary to address this standard.</i></p>
<p>1.4.3</p> <p>Explores, compares, and describes length, weight or capacity using nonstandard units.</p>	<p>PK M6 Topic C: Project: Care for Our Space</p> <p><i>Supplemental material is necessary to address this standard.</i></p>

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1.4.4 Shows awareness of simple time concepts.	<i>Supplemental material is necessary to address this standard.</i>
1.4.5 Demonstrates understanding of the sequence of events and relative length of time associated with some common activities.	<i>Supplemental material is necessary to address this standard.</i>