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## Prekindergarten | Missouri Mathematics 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>

## Number and Operations

### I.A Develop Number Sense

Missouri Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>I.A.1</b></p> <p>Show interest and understanding in counting.</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>I.A.2</b></p> <p>Explore quantity.</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>

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

<b>I.A.2 <i>continued</i></b>	<p>PK M1 Lesson 11: Match Game</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> <p>PK M3 Lesson 17: Let’s Count and Record!</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 M5 Lesson 4: 1 More, 1 Less the Math Way</p> <p>PK M5 Lesson 16: Show and Hide Fingers</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>

## Number and Operations

### I.B Develop Numerical Representation

Missouri Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>I.B.1</b> Identify numerals in everyday situations.</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 M5 Lesson 21: Create Patterns                      PK M6 Topic A: Project: Create a Business                      PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>I.B.2</b> Use drawings to represent number.</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</p>

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<p><b>I.B.2 <i>continued</i></b></p>	<p>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><b>I.B.3</b>                  Write 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                  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</p>

Missouri Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>I.B.3 <i>continued</i></b></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>

**Geometry and Spatial Sense**  
**II.A Investigate Positions and Locations**

Missouri Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>II.A.1</b></p> <p>Take objects apart and put them together.</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>II.A.2</b></p> <p>Use actions and words to indicate position and location.</p>	<p>PK M2 Topic A: Spatial Relations</p> <p>PK M2 Lesson 8: Shape Games</p>
<p><b>II.A.3</b></p> <p>Use actions and words to indicate movement and <b>orientation</b></p>	<p>PK M2 Topic A: Spatial Relations</p> <p>PK M2 Lesson 8: Shape Games</p>

## Geometry and Spatial Sense

### II.B Explore Shapes

Missouri Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>II.B.1</b></p> <p>Investigate and talk about the characteristics of 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>PK M2 Lesson 16: Pyramids!</p>
<p><b>II.B.2</b></p> <p>Identify and name some shapes.</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>PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>II.B.3</b></p> <p>Create and duplicate three-dimensional and two-dimensional shapes.</p>	<p>PK M2 Lesson 11: Build Shapes</p> <p>PK M2 Lesson 12: Build My Shape</p> <p><i>Supplemental material is necessary to address creating and duplicating three-dimensional shapes.</i></p>



## Patterns and Relationships (Algebra)

### III.A Develop an Awareness of Patterns

Missouri Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>III.A.1</b> Recognize patterns and relationships.</p>	<p>PK M3 Topic D: Use Structure to Analyze Patterns                      PK M5 Lesson 21: Create Patterns                      PK M5 Lesson 22: Music and Movement                      PK M5 Lesson 23: Patterns Everywhere                      PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>III.A.2</b> Duplicate and extend patterns.</p>	<p>PK M3 Topic D: Use Structure to Analyze Patterns                      PK M5 Lesson 21: Create Patterns                      PK M5 Lesson 22: Music and Movement                      PK M5 Lesson 23: Patterns Everywhere                      PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>III.A.3</b> Create patterns.</p>	<p>PK M3 Lesson 21: A Story in Strings                      PK M5 Lesson 21: Create Patterns                      PK M5 Lesson 22: Music and Movement                      PK M5 Lesson 23: Patterns Everywhere                      PK M6 Topic B: Project: Plan a Celebration</p>

## Measurement

### IV.A Use Measurement

Missouri Mathematics Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>IV.A.1</b> Explore ways to measure.</p>	<p>PK M4 Topic A: Describe Size                      PK M4 Topic B: Compare Heights and Lengths                      PK M4 Topic C: Compare Weights                      PK M4 Lesson 20: Explore Area                      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>IV.A.2</b> Measure using objects.</p>	<p>PK M4 Lesson 3: Explore Capacity                      PK M4 Lesson 12: Balance Scale                      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>IV.A.3</b> Compare objects using measurable features.</p>	<p>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>

<b>Missouri Mathematics Learning Standards</b>	<b>Aligned Components of <i>Eureka Math</i><sup>2</sup></b>
<p><b>IV.A.4</b> Use language to describe measurement.</p>	<p>PK M4 Topic A: Describe Size</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>

**Data**

**V.A Explore Data**

<b>Missouri Mathematics Learning Standards</b>	<b>Aligned Components of <i>Eureka Math</i><sup>2</sup></b>
<p><b>V.A.1</b> Collect and organize information.</p>	<p>PK M4 L13: Collect Data and Compare</p> <p>PK M4 L19: Compare Groups</p> <p>PK M5 L14: Sorting Apples</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>V.A.2</b> Display information (charts and graphs).</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><i>Supplemental material is necessary to fully address this standard.</i></p>