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## Prekindergarten | Iowa Early Learning Standards (2017) Correlation to *Eureka Math*<sup>2</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>

## Numbers and Operations

### 7.1.PS Children understand counting, ways of representing numbers, and relationships between quantities and numerals.

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.1.PS.1</b></p> <p>The child recognizes small quantities (1 to 5) without counting them (subitizing).</p>	<p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 11: Match Game</p> <p>PK M1 Lesson 29: Match Game</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> <p>PK M3 Lesson 7: Do You See 5?</p>
<p><b>7.1.PS.2</b></p> <p>The child counts to 20 verbally.</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 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>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.1.PS.2 <i>continued</i></b></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 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><i>This standard is also addressed by Fluency Anytime activities suggested in modules 3 and 4.</i></p>
<p><b>7.1.PS.3</b></p> <p>The child points and counts 10–20 objects accurately.</p>	<p>PK M1 Lesson 8: Let’s Count!</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 11: Decompose 10</p> <p>PK M3 Lesson 17: Let’s Count and Record!</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><i>Supplemental material is necessary to fully address this standard.</i></p>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.1.PS.4</b></p> <p>The child makes sets of 6–10 objects and describes parts.</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 31: Match or No Match?</p> <p>PK M1 Lesson 32: Make It Match</p> <p>PK M1 Lesson 33: Dinosaur World</p> <p>PK M3 Lesson 8: Make Your Own Rekenrek!</p> <p>PK M3 Lesson 9: Decompose 6 and 7</p> <p>PK M3 Lesson 10: Decompose 8 and 9</p> <p>PK M3 Lesson 11: Decompose 10</p> <p>PK M3 Lesson 13: Number Stairs</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><b>7.1.PS.5</b></p> <p>The child uses language such as <i>more</i>, <i>less</i> or <i>the same amount</i> to compare quantities.</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>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.1.PS.5 <i>continued</i></b></p>	<p>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>7.1.PS.6</b>                      The child identifies numerals to 10 by name.</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>

## Patterns

### 7.2.PS Children understand patterns.

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.2.PS.1</b></p> <p>The child recognizes, reproduces and creates patterns moving from simple to complex.</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><b>7.2.PS.2</b></p> <p>The child extends patterns by predicting what comes next.</p>	<p>PK M3 Lesson 18: Pattern Units</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>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.2.PS.3</b></p> <p>The child describes patterns seen in natural and designed settings.</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>

## Shapes and Spatial Relationships

**7.3.PS** Children understand shapes and spatial relationships.

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.3.PS.1</b></p> <p>The child demonstrates understanding of spatial words such as <i>up, down, over, under, top, bottom, inside, outside, in front, and behind</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><b>7.3.PS.2</b></p> <p>The child identifies and describes two- and three-dimensional shapes.</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 13: Shape Towers</p>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.3.PS.2 <i>continued</i></b></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>7.3.PS.3</b></p> <p>The child notices characteristics, similarities, and differences among shapes such as corners, points, edges, and sides.</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 13: Shape Towers</p> <p>PK M2 Lesson 15: Roll, Slide, or Stack</p>
<p><b>7.3.PS.4</b></p> <p>The child notices how shapes fit together and can be taken apart to form other shapes.</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>

## Measurements

### 7.4.PS Children understand comparisons and measurements.

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.4.PS.1</b></p> <p>The child sorts, classifies, and puts objects in series using a variety of properties.</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 M4 Lesson 8: Compare by Using Numbers</p> <p>PK M4 Lesson 9: Straw Line Up</p> <p>PK M4 Lesson 15: Trains</p> <p>PK M6 Topic A: Project: Create a Business</p>
<p><b>7.4.PS.2</b></p> <p>The child makes comparisons between several objects based on one or more attributes, such as length, height, weight, and area using words such as <i>taller</i>, <i>shorter</i>, <i>longer</i>, <i>bigger</i>, <i>smaller</i>, <i>heavier</i>, <i>lighter</i>, <i>full</i>, <i>empty</i>, <i>length</i>, <i>height</i>, and <i>weight</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>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.4.PS.2 <i>continued</i></b></p>	<p>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>
<p><b>7.4.PS.3</b></p> <p>The child measures objects using non-standard units of measurement, such as using blocks to determine how tall a child is.</p>	<p>PK M4 Lesson 20: Explore Area                      PK M4 Lesson 21: How Many Scoops?                      PK M6 Topic C: Project: Care for Our Space</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p><b>7.4.PS.4</b></p> <p>The child explores objects using standard measuring tools such as rulers, measuring cups, and balance scales.</p>	<p>PK M4 Lesson 12: Balance Scale                      PK M4 Lesson 21: How Many Scoops?                      PK M4 Lesson 22: Compare Attributes</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.4.PS.5</b></p> <p>The child begins to demonstrate knowledge that measurement requires a ‘fair’ comparison starting at the same baseline or measuring the same property such as length, height, and volume.</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><b>7.4.PS.6</b></p> <p>The child develops an awareness of simple time concepts within his or her daily life such as day, night; and sequence of usual daily events, such as breakfast, lunch, dinner, bedtime; outdoor time follows snack; and brushing teeth after a meal.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

## Data Analysis

**7.5.PS Children demonstrate the process of data analysis by sorting and classifying, asking questions, and finding answers.**

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.5.PS.1</b></p> <p>The child sorts collections of objects into sets such as lines, piles, or groups by color, size, shape, or kind.</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>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.5.PS.2</b></p> <p>The child sorts and resorts sets in a variety of ways.</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 M5 Lesson 14: Sorting Apples</p> <p>PK M6 Topic A: Project: Create a Business</p>
<p><b>7.5.PS.3</b></p> <p>The child compares and orders such as most to least, same amount as, and least to most.</p>	<p>PK M4 Lesson 8: Compare by Using Numbers</p> <p>PK M4 Lesson 15: Trains</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>

Iowa Early Learning Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>7.5.PS.4</b></p> <p>The child sorts data into two groups such as <i>big</i> and <i>not big</i>, <i>green</i> and <i>not green</i>, and <i>pets</i> and <i>not pets</i>.</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>
<p><b>7.5.PS.5</b></p> <p>The child asks questions, collects, records, and organizes data to find answers to questions.</p>	<p>PK M4 Lesson 4: How Much Juice?</p> <p>PK M4 Lesson 13: Collect Data and Compare</p> <p>PK M4 Lesson 18: How Many Crayons?</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>PK M6 Topic B: Project: Plan a Celebration</p> <p>PK M6 Topic C: Project: Care for Our Space</p>