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## Prekindergarten | Utah Core State Standards for Early Learning (2020) 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>

## Mathematics

### 1 Counting and Cardinality

#### Utah Core State Standards for Early Learning

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

<p><b>Math 4 yr.1.1</b></p>	
<p>Count to 20 by ones.</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> <p>PK M3 Lesson 16: Counting with Puppet</p> <p>PK M3 Lesson 17: Let’s Count and Record!</p> <p>PK M4 Lesson 17: Let’s Count and Compare!</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>

**Utah Core State Standards  
for Early Learning**

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

<p><b>Math 4 yr.1.2</b></p> <p>In the sequence of 1–10, identify numbers that come before or after one another.</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 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> <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 4: 1 More, 1 Less the Math Way</p> <p>PK M5 Lesson 5: Market Math</p>
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**Aligned Components of *Eureka Math*<sup>2</sup>**

<p><b>Math 4 yr.1.3</b></p> <p>Count a number of objects from 0–10 and begin to associate them with a written numeral.</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 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 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 21: How Many Ways?</p> <p>PK M1 Lesson 22: Animal Sort</p> <p>PK M1 Lesson 24: Mystery Eggs</p> <p>PK M1 Lesson 25: More Written Numbers</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 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 M2 Lesson 17: Let’s Count and Record!</p> <p>PK M3 Lesson 3: Decompose 3</p> <p>PK M3 Lesson 4: Decompose 4</p>
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**Utah Core State Standards  
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**Aligned Components of *Eureka Math*<sup>2</sup>**

<p><b>Math 4 yr.1.3 <i>continued</i></b></p>	<p>PK M3 Lesson 5: Decompose 5                      PK M3 Lesson 7: Do You See 5?                      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 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>Math 4 yr.1.4</b>                      Name written numerals 0–10.</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>

**Utah Core State Standards  
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**Aligned Components of *Eureka Math*<sup>2</sup>**

<p><b>Math 4 yr.1.5</b></p> <p>Use one-to-one correspondence when counting objects to ten.</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 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 30: Let’s Count and Record!</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 M2 Lesson 17: Let’s Count and Record!</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 M3 Lesson 17: Let’s Count and Record!</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>
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**Aligned Components of *Eureka Math*<sup>2</sup>**

<p><b>Math 4 yr.1.6</b></p> <p>When counting objects to ten, understand that the last number counted in a set tells how many.</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>Math 4 yr.1.7</b></p> <p>Count two sets of objects up to 10 to determine which has more.</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 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>

## Mathematics

### 2 Operations and Algebraic Thinking

#### Utah Core State Standards for Early Learning

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

<p><b>Math 4 yr.2.1</b></p> <p>Understand and represent addition up to five (adding to or putting together) and subtraction (taking from or taking apart) with concrete objects, fingers, movement, and simple drawings.</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>PK M5 Lesson 6: Dinosaur Splash</p> <p>PK M5 Lesson 7: Draw Math Stories: Addition</p> <p>PK M5 Lesson 9: Mental Movies: Addition</p> <p>PK M5 Lesson 10: Train Stories: Addition</p> <p>PK M5 Lesson 15: Under the Sea</p> <p>PK M5 Lesson 16: Show and Hide Fingers</p> <p>PK M5 Lesson 17: Draw Math Stories: Subtraction</p> <p>PK M5 Lesson 19: Mental Movies: Subtraction</p> <p>PK M5 Lesson 20: Train Stories: Subtraction</p> <p>PK M6 Topic C: Project: Care for Our Space</p>
<p><b>Math 4 yr.2.2</b></p> <p>With prompting and support, solve addition and subtraction word problems created by the teacher using up to five concrete objects to represent the problem (for example, “Bring me three blocks, now bring me two more. How many blocks do we have?”).</p>	<p>PK M5 Lesson 6: Dinosaur Splash</p> <p>PK M5 Lesson 9: Mental Movies: Addition</p> <p>PK M5 Lesson 10: Train Stories: Addition</p> <p>PK M5 Lesson 15: Under the Sea</p> <p>PK M5 Lesson 19: Mental Movies: Subtraction</p> <p>PK M5 Lesson 20: Train Stories: Subtraction</p> <p>PK M6 Topic C: Project: Care for Our Space</p>

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

<p><b>Math 4 yr.2.3</b></p> <p>Take apart numbers less than or equal to five by using objects with different attributes (for example, 5 can be taken apart into sets of 2 blue and 3 yellow or 1 square and 4 circles).</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 6: 5-Piece Puzzles</p> <p>PK M5 Lesson 11: Break Apart 5</p> <p>PK M5 Lesson 12: Match Game: Make 4</p> <p>PK M5 Lesson 13: Turtle Time</p> <p>PK M5 Lesson 14: Sorting Apples</p>
<p><b>Math 4 yr.2.4</b></p> <p>Use concrete objects to make sums of 5 using quantities from 0–5. (For example, 0 and 5 make a set of 5, 2 and 3 make a set of 5.)</p>	<p>PK M1 Lesson 21: How Many Ways?</p> <p>PK M3 Lesson 5: Decompose 5</p> <p>PK M3 Lesson 6: 5-Piece Puzzles</p> <p>PK M5 Lesson 11: Break Apart 5</p>
<p><b>Math 4 yr.2.5</b></p> <p>Duplicate, extend, and create simple patterns (for example, ababab).</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>

## Mathematics

### 3 Measurement and Data

#### Utah Core State Standards for Early Learning

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

Utah Core State Standards for Early Learning	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>Math 4 yr.3.1</b></p> <p>Describe objects using vocabulary specific to measurable attributes (for example, length [long/short], weight [heavy/light], size [big/small], and distance [near/far]).</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> <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>

**Utah Core State Standards  
for Early Learning**

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

<p><b>Math 4 yr.3.2</b> Directly compare two objects using measurable attributes (for example, length [longer/shorter], weight [heavier/lighter], and size [bigger/smaller]).</p>	<p>PK M4 Lesson 3: Explore Capacity PK M4 Lesson 4: How Much Juice? PK M4 Lesson 5: Tall or Short PK M4 Lesson 6: Compare Heights 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>

**Utah Core State Standards  
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**Aligned Components of *Eureka Math*<sup>2</sup>**

<p><b>Math 4 yr.3.3</b></p> <p>Classify/sort objects into given categories (for example, color, size, shape) by specified 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 M2 Lesson 6: Sort the Shapes</p> <p>PK M6 Topic A: Project: Create a Business</p>
<p><b>Math 4 yr.3.4</b></p> <p>Compare the number of objects in each category to identify which groups contain more or less, or are the same.</p>	<p>PK M4 Lesson 18: How Many Crayons?</p> <p>PK M4 Lesson 19: Compare Groups</p> <p>PK M6 Topic A: Project: Create a Business</p>

## Mathematics

### 4 Geometry

Utah Core State Standards for Early Learning	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>Math 4 yr.4.1</b></p> <p>Describe objects in the environment by using names of shapes and identify the relative positions of these objects using terms such as <i>above</i>, <i>below</i>, <i>beside</i>, <i>in front of</i>, <i>behind</i>, and <i>next to</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>Math 4 yr.4.2</b></p> <p>Identify and name basic shapes regardless of their size and/or orientation (the way the object is turned or flipped).</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>Math 4 yr.4.3</b></p> <p>Begin to explore that shapes can be two-dimensional (flat) or three-dimensional (solid).</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 13: Shape Towers</p> <p>PK M2 Lesson 15: Roll, Slide, or Stack</p> <p>PK M2 Lesson 16: Pyramids!</p>
<p><b>Math 4 yr.4.4</b></p> <p>Describe attributes of basic two-dimensional shapes including size, number of sides, number of corners, etc.</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>

**Utah Core State Standards  
for Early Learning**

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

<p><b>Math 4 yr.4.5</b></p> <p>Create basic shapes using a variety of media (for example, blocks, stickers, play dough/clay, art supplies).</p>	<p>PK M2 Lesson 11: Build Shapes</p> <p>PK M2 Lesson 12: Build My Shape</p> <p><i>This standard is fully addressed by Math Anytime activities suggested for module 2.</i></p>
<p><b>Math 4 yr.4.6</b></p> <p>Explore combining basic shapes to create new shapes (for example, two triangles make a rhombus).</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>