



# Prekindergarten | Idaho Early Learning eGuidelines Correlation to Eureka Math<sup>2®</sup>

When the original *Eureka Math*® curriculum was released, it quickly became the most widely used K–5 mathematics curriculum in the country. Now, the Great Minds® 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 Math² 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 Math² 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 Eureka Math<sup>2</sup>

MP.1  Make sense of problems and persevere in solving them.	Lessons in every module engage students in mathematical practices.  These are indicated in margin notes included with every lesson.		
MP.2 Reason abstractly and quantitatively.	Lessons in every module engage students in mathematical practices.  These are indicated in margin notes included with every lesson.		
MP.3  Construct viable arguments and critique the reasoning of others.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.		
MP.4 Model with mathematics.	Lessons in every module engage students in mathematical practices.  These are indicated in margin notes included with every lesson.		
MP.5 Use appropriate tools strategically.	Lessons in every module engage students in mathematical practices.  These are indicated in margin notes included with every lesson.		
MP.6 Attend to precision.	Lessons in every module engage students in mathematical practices.  These are indicated in margin notes included with every lesson.		
MP.7 Look for and make use of structure.	Lessons in every module engage students in mathematical practices.  These are indicated in margin notes included with every lesson.		
MP.8  Look for and express regularity in repeated reasoning.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.		

### **Number Sense and Operations**

39 Children demonstrate understanding of numbers, ways of representing numbers, relationships among numbers, and number systems.

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

39.a	This standard is fully addressed by the lessons aligned to its subsections.
Use number words and concepts to explore and manipulate quantity, size, and relationships.	
39.a.1	PK M1 Lesson 3: Crayon Group
Develops understanding of counting	PK M1 Lesson 5: Sorting Bags
process (recognition and naming numerals one, two and three); counting	PK M1 Lesson 6: Matching Markers
up to ten from memory in home language	PK M1 Lesson 8: Let's Count!
(e.g., recites, "one, two, three"), without	PK M1 Lesson 10: Written Numbers
assistance.	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 Topic C: Analyze the Count Sequence
	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

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

#### 39.a.2

Counts up to ten objects; matching numbers one-to-one with objects (cubes, toys, and pennies) within daily activities. PK M1 Lesson 7: Animal Count

PK M1 Lesson 8: Let's Count!

PK M1 Lesson 15: Let's Count!

PK M1 Lesson 18: Forest Path Game

PK M1 Lesson 30: Let's Count and Record!

PK M2 Lesson 17: Let's Count and Record!

PK M3 Lesson 17: Let's Count and Record!

PK M4 Lesson 17: Let's Count and Compare!

PK M5 Lesson 24: Let's Count and Record!

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

This standard is fully addressed by the Math Anytime activities suggested for each topic.

#### 39.a.3

Develops understanding that when counting items they must be counted only once, and that none should be left out.

PK M1 Lesson 7: Animal Count

PK M1 Lesson 8: Let's Count!

PK M1 Lesson 15: Let's Count!

PK M1 Lesson 18: Forest Path Game

PK M1 Lesson 30: Let's Count and Record!

PK M2 Lesson 17: Let's Count and Record!

PK M3 Lesson 17: Let's Count and Record!

PK M4 Lesson 17: Let's Count and Compare!

PK M5 Lesson 24: Let's Count and Record!

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

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

Idaho Early Learning eGuidelines	Aligned Components of Eureka Math <sup>2</sup>		
39.a.4	PK M1 Topic B: Answer <i>How Many</i> Questions		
Begins recognizing that the last number counted represents the "total objects" (for quantities up to ten). Counting is cumulative.	PK M1 Lesson 15: Let's Count!		
	PK M1 Lesson 30: Let's Count and Record!		
	PK M2 Lesson 17: Let's Count and Record!		
	PK M3 Lesson 17: Let's Count and Record!		
	PK M4 Lesson 17: Let's Count and Compare!		
	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		
39.a.5	This standard is fully addressed by the Math Anytime activities suggested for each topic.		
Applies numbers and counting concepts within daily routines (count numbers of children at the table).			
39.a.6	PK M1 Lesson 8: Let's Count!		
Applies counting to new situations	PK M1 Lesson 15: Let's Count!		
(counting objects, counting groups).	PK M1 Lesson 30: Let's Count and Record!		
	PK M2 Lesson 17: Let's Count and Record!		
	PK M3 Lesson 17: Let's Count and Record!		
	PK M4 Lesson 17: Let's Count and Compare!		
	PK M5 Lesson 24: Let's Count and Record!		
	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		
	This standard is fully addressed by the Math Anytime activities suggested for each topic.		

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

#### 39.a.7

Demonstrates understanding that numbers represent quantity (gets three apples out of the box). PK M1 Lesson 7: Animal Count

PK M1 Lesson 8: Let's Count!

PK M1 Lesson 9: How Many?

PK M1 Lesson 15: Let's Count!

PK M1 Topic D: Count Out a Set of Up to 5 Objects

PK M1 Lesson 24: Mystery Eggs

PK M1 Lesson 28: Counting with Puppet

PK M1 Lesson 29: Match Game

PK M1 Lesson 30: Let's Count and Record!

PK M1 Topic G: Count Out a Set of Up to 10 Objects

PK M2 Lesson 17: Let's Count and Record!

PK M3 Topic B: Use Structure to Explore Numbers 6-10

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

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

39.a.8	PK M4 Topic D: Compare Sets		
Uses math concepts (more, less, some, many, all, a few, none, huge, tiny, small, smaller, large, larger) to compare	PK M4 Lesson 18: How Many Crayons?		
	PK M4 Lesson 19: Compare Groups		
quantities.	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		
39.a.9	PK M5 Lesson 1: Bears on Stairs		
May count backwards from ten.	PK M5 Lesson 2: 1 Less		
	PK M5 Lesson 3: 1 More, 1 Less		
	PK M5 Lesson 4: 1 More, 1 Less the Math Way		
39.a.10	Supplemental material is necessary to address this standard.		
Differentiates numerals from letters.			
39.a.11	PK M1 Lesson 10: Written Numbers		
Recognizes and names some numerals	PK M1 Lesson 11: Match Game		
(pointing to written numerals named by adult).	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		
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## Aligned Components of Eureka Math<sup>2</sup>

39.a.11 continued	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
39.a.12	PK M1 Lesson 10: Written Numbers
Writes and identifies some numerals	PK M1 Lesson 11: Match Game
named by adult.	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

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

#### 39.a.13

Uses meanings of numbers to create strategies for solving problems and responding to practical situations, with assistance (e.g., "Jimmy took two crackers and I didn't get any.").

PK M5 Topic B: Represent Addition Stories

PK M5 Topic D: Represent Subtraction Stories

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

#### Measurement

40 Children demonstrate understanding of measurable attributes of objects and the units, systems, and processes of measurement (including size, volume, height, weight, length, area, and time).

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

40.a	This standard is fully addressed by the lessons aligned to its subsections.		
Use geometric modeling and spatial reasoning according to different dimensions.			
40.a.1	PK M4 Topic A: Describe Size		
Engages in activities that explore and develop vocabulary for measurable properties such as length and weight, or capacity.	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		

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

40.a.2	PK M4 Lesson 3: Explore Capacity	
Compares amongst several objects based on one or more attributes (length, size,	PK M4 Lesson 4: How Much Juice?	
	PK M4 Topic B: Compare Heights and Lengths	
weight) using words such as "shorter", "bigger", or "lighter".	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	
40.a.3	PK M2 Topic A: Spatial Relations	
Understands positional terms such as "between", "inside", "over", "under", and "behind".	PK M2 Lesson 8: Shape Games	
40.a.4	PK M1 Topic A: Use Attributes to Match and Sort	
Sorts and classifies objects based on one	PK M1 Topic E: Sort to Decompose	
or more attributes.	PK M1 Lesson 34: Culminating Activity	
	PK M6 Topic A: Project: Create a Business	
40.α.5	PK M4 Lesson 8: Compare by Using Numbers	
Orders objects by size, volume, height,	PK M4 Lesson 9: Straw Line Up	
weight, and length; with assistance.	PK M4 Lesson 15: Trains	
	Supplemental material is necessary to fully address this standard.	
40.a.6	PK M4 Lesson 20: Explore Area	
Measures objects using variable nonstandard units.	PK M4 Lesson 21: How Many Scoops?	
	PK M6 Topic C: Project: Care for Our Space	
	Supplemental material is necessary to fully address this standard.	

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<b>40.a.7</b> Begins to measure objects using standard	Supplemental material is necessary to address this standard.		
units (one-inch cubes, paper clips).			
40.a.8	This standard is fully addressed by the Math Anytime activities suggested for module 4.		
Uses measuring tools in play activities (measuring tape, measuring cups).			
40.a.9	PK M4 Lesson 3: Explore Capacity		
Measures sand or water using a variety of containers.	PK M4 Lesson 21: How Many Scoops?		
or containers.	Supplemental material is necessary to fully address this standard.		
40.a.10	Supplemental material is necessary to address this standard.		
Uses picture cookbook to follow sequence and measures amounts for cooking projects, with assistance.			
40.a.11	PK M4 Lesson 12: Balance Scale		
Uses some vocabulary in relationship to measurement tools (scale, cup, ruler). May not have accurate understanding of meaning.	PK M4 Lesson 21: How Many Scoops?		
	PK M4 Lesson 22: Compare Attributes		
	Supplemental material is necessary to fully address this standard.		
40.a.12	PK M4 Lesson 2: Puppet's Bed		
Estimates size (e.g., "I'm as tall as the	PK M4 Lesson 6: Compare Heights		
yellow bookshelf.").	Supplemental material is necessary to fully address this standard.		

### **Properties of Ordering**

41 Children demonstrate understanding of patterns, relations, and functions used to organize their world and facilitate problem-solving.

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

41.a	This standard is fully addressed by the lessons aligned to its subsections.		
Sort, classify, and order objects by color, number, size, or shape. Form simple patterns involving color, number, size, and shape.			
41.a.1	PK M1 Lesson 1: Make a Match		
Compares shape and size of familiar	PK M1 Lesson 2: Same and Different		
objects.	PK M1 Lesson 5: Sorting Bags		
	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		
41.a.2	PK M2 Lesson 4: Shapes in Art		
Sorts and builds with two- and	PK M2 Lesson 6: Sort the Shapes		
three-dimensional shapes (sphere, cube, cone).	PK M2 Lesson 11: Build Shapes		
	PK M2 Lesson 12: Build My Shape		
	PK M2 Lesson 13: Shape Towers		
	PK M2 Lesson 16: Pyramids!		
	PK M6 Topic A: Project: Create a Business		

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41.a.3	PK M2 Topic B: Analyze and Name Two-Dimensional Shapes			
Identifies and labels different kinds of two-dimensional shapes (square, circle, rectangle, triangle).	PK M2 Lesson 14: Puppet's Picture			
41.a.4	PK M2 Lesson 9: Shape Pictures			
Draws and creates pictures using	PK M2 Lesson 10: Shape Puzzles			
various shapes.	PK M2 Lesson 14: Puppet's Picture			
	PK M3 Lesson 1: How Many Parts?			
	PK M3 Lesson 2: Bunny Puzzles			
	PK M6 Topic B: Project: Plan a Celebration			
41.a.5	Supplemental material is necessary to address this standard.			
Recognizes non-geometrical shapes in nature (clouds or other things that are not circles, squares, triangles).				
41.a.6	PK M2 Lesson 4: Shapes in Art			
Describes characteristics of familiar geometric and non-geometric shapes in the environment, with assistance.	PK M2 Lesson 9: Shape Pictures			
	PK M2 Lesson 13: Shape Towers			
	PK M2 Lesson 15: Roll, Slide, or Stack			
	PK M2 Lesson 16: Pyramids!			

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

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41.a.7	PK M2 Lesson 9: Shape Pictures
Puts together and takes apart shapes to make other shapes (use two triangles to make a rectangle with blocks).	PK M2 Lesson 10: Shape Puzzles
	PK M2 Lesson 13: Shape Towers
to make a rectangle with blocks).	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
41.a.8	PK M3 Lesson 13: Number Stairs
Makes and describes patterns including	PK M3 Topic D: Use Structure to Analyze Patterns
serialization based on numbers, shapes, and size.	PK M5 Lesson 1: Bears on Stairs
unu size.	PK M5 Lesson 2: 1 Less
	PK M5 Lesson 3: 1 More, 1 Less
	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
41.a.9	PK M3 Topic D: Use Structure to Analyze Patterns
Predicts what comes next in a pattern	PK M5 Lesson 21: Create Patterns
and completes the pattern.	PK M5 Lesson 22: Music and Movement
	PK M5 Lesson 23: Patterns Everywhere
	PK M6 Topic B: Project: Plan a Celebration
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### Aligned Components of Eureka Math<sup>2</sup>

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Creates or extends a complex pattern with more than two repeating elements.

PK M3 Lesson 18: Pattern Units

PK M3 Lesson 21: A Story in Strings

PK M3 Lesson 22: Red Light, Green Light!

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