

---

## Prekindergarten | Montana Early Learning Standards: Mathematics and Numeracy 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 Sense and Operations

**4.10 Children develop the ability to think and work with numbers to understand their uses, and describe numerical relationships through structured and everyday experiences.**

### Montana Early Learning Standards: Mathematics and Numeracy

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

<p><b>4.10.d</b></p> <p>Use correct terms to describe simple mathematical concepts.</p>	<p>PK M1 Topic A: Use Attributes to Match and Sort</p> <p>PK M1 Topic E: Sort to Decompose</p> <p>PK M1 Lesson 34: Culminating Activity</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 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>4.10.e</b></p> <p>Move from inventive counting to accurate rote 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>

**Montana Early Learning Standards:  
Mathematics and Numeracy**

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

<p><b>4.10.e</b> <i>continued</i></p>	<p>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 M4 Lesson 17: Let’s Count and Compare!                  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> <p><i>This standard is also addressed by Fluency Anytime activities suggested for each topic.</i></p>
<p><b>4.10.h</b>                  Count objects demonstrating one-to-one correspondence and meaning.</p>	<p>PK M1 Lesson 7: Animal Count                  PK M1 Lesson 8: Let’s Count!                  PK M1 Lesson 9: How Many?                  PK M1 Lesson 14: Rice Scoops                  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</p>

**Montana Early Learning Standards:  
Mathematics and Numeracy**

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

<p><b>4.10.h</b> <i>continued</i></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 Lesson 17: Let’s Count and Compare!</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 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><b>4.10.g</b></p> <p>Match numerals with the correct amount of objects.</p>	<p>PK M1 Lesson 7: Animal Count</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>

**Montana Early Learning Standards:  
Mathematics and Numeracy**

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

<p><b>4.10.g</b> <i>continued</i></p>	<p>PK M1 Lesson 31: Match or No Match?                  PK M1 Lesson 32: Make It Match                  PK M1 Lesson 34: Culminating Activity                  PK M3 Lesson 7: Do You See 5?                  PK M6 Topic A: Project: Create a Business                  PK M6 Topic B: Project: Plan a Celebration</p>
<p><b>4.10.h</b></p> <p>Set up simple addition and subtraction problems.</p>	<p>PK M3 Lesson 3: Decompose 3                  PK M3 Lesson 4: Decompose 4                  PK M3 Lesson 5: Decompose 5                  PK M3 Lesson 6: 5-Piece Puzzles                  PK M3 Lesson 9: Decompose 6 and 7                  PK M3 Lesson 10: Decompose 8 and 9                  PK M3 Lesson 11: Decompose 10                  PK M5 Lesson 3: 1 More, 1 Less                  PK M5 Lesson 4: 1 More, 1 Less the Math Way                  PK M5 Lesson 5: Market Math                  PK M5 Topic B: Represent Addition Stories                  PK M5 Topic C: Compose and Decompose Numbers in More than One Way                  PK M5 Topic D: Represent Subtraction Stories                  PK M6 Topic C: Project: Care for Our Space</p>

## Measurement

**4.11 Children develop skills in using measurement instruments to explore and discover measurement relationships and characteristics, such as length, quantity, volume, distance, weight, area, and time.**

### Montana Early Learning Standards: Mathematics and Numeracy

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

<p><b>4.11.e</b></p> <p>Use appropriate terms/language to describe measurable attributes.</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 20: Explore Area</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>4.11.f</b></p> <p>Recognize time as a sequence of events that relates to the routines of daily life.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>
<p><b>4.11.g</b></p> <p>Organize objects without assistance.</p>	<p>PK M1 Topic A: Use Attributes to Match and Sort</p> <p>PK M1 Topic E: Sort to Decompose</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M6 Topic A: Project: Create a Business</p>
<p><b>4.11.h</b></p> <p>Estimate measurement characteristics of familiar objects or events.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>
<p><b>4.11.i</b></p> <p>Measure length by laying units end to end.</p>	<p>PK M6 Topic C: Project: Care for Our Space</p> <p><i>Supplemental material is necessary to address this standard.</i></p>

## Data Analysis

**4.12 Children apply mathematical skills in data analysis, such as counting, sorting, and comparing objects.**

### Montana Early Learning Standards: Mathematics and Numeracy

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

<p><b>4.12.c</b></p> <p>Match, sort, put in order, and regroup objects using one or two attributes.</p>	<p>PK M1 Topic A: Use Attributes to Match and Sort</p> <p>PK M1 Topic E: Sort to Decompose</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>4.12.d</b></p> <p>Convey the concepts and use correct terms associated with classification and comparison.</p>	<p>PK M1 Topic A: Use Attributes to Match and Sort</p> <p>PK M1 Topic E: Sort to Decompose</p> <p>PK M1 Lesson 34: Culminating Activity</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 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>4.12.e</b></p> <p>Identify how items in a group are similar.</p>	<p>PK M1 Topic A: Use Attributes to Match and Sort</p> <p>PK M1 Topic E: Sort to Decompose</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M6 Topic A: Project: Create a Business</p>



## Algebraic Thinking

**4.13 Children learn to identify, describe, produce, and create patterns using mathematical language and materials.**

### Montana Early Learning Standards: Mathematics and Numeracy

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

<p><b>4.13.c</b></p> <p>Recognize patterns using a variety of materials.</p>	<p>PK M3 Topic D: Use Structure to Analyze Patterns</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>4.13.d</b></p> <p>Predict what comes next in a simple pattern.</p>	<p>PK M3 Lesson 13: Number Stairs</p> <p>PK M3 Topic D: Use Structure to Analyze Patterns</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>4.13.e</b></p> <p>Reproduce simple patterns of concrete objects.</p>	<p>PK M3 Lesson 18: Pattern Units</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>

**Montana Early Learning Standards:  
Mathematics and Numeracy**

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

<p><b>4.13.f</b> Reproduce simple patterns of sound and movement.</p>	<p>PK M3 Lesson 18: Pattern Units                      PK M3 Lesson 19: Number Cha-Cha                      PK M3 Lesson 20: Find the Missing Piece                      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>4.13.g</b> Describe a sequence of events.</p>	<p>PK M2 Lesson 2: Use the Clues                      PK M5 Lesson 21: Create Patterns                      PK M6 Topic B: Project: Plan a Celebration</p>

**Geometry and Spatial Reasoning**

**4.14 Children build the foundation for recognizing and describing shapes by manipulating, playing with, tracing, and making common shapes. Children learn spatial reasoning and directional words as they become aware of their bodies and personal space within the physical environment.**

**Montana Early Learning Standards:  
Mathematics and Numeracy**

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

<p><b>4.14.d</b> Describe different two and three-dimensional shapes and name common characteristics.</p>	<p>PK M2 Topic B: Analyze and Name Two-Dimensional Shapes                      PK M2 Lesson 13: Shape Towers                      PK M2 Lesson 14: Puppet’s Picture                      PK M2 Lesson 15: Roll, Slide, or Stack                      PK M2 Lesson 16: Pyramids!</p>
---------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Montana Early Learning Standards:  
Mathematics and Numeracy**

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

<p><b>4.14.e</b> Create geometric shapes.</p>	<p>PK M2 Lesson 11: Build Shapes PK M2 Lesson 12: Build My Shape</p>
<p><b>4.14.f</b> Use position words that indicate where objects are located in space.</p>	<p>PK M2 Topic A: Spatial Relations PK M2 Lesson 8: Shape Games</p>
<p><b>4.14.g</b> Demonstrate an understanding of size and shape relationships.</p>	<p>PK M4 Lesson 1: Big or Small PK M4 Lesson 2: Puppet’s Bed</p>
<p><b>4.14.h</b> Experiment with mapping skills.</p>	<p>PK M2 Lesson 3: Build a Map <i>Supplemental material is necessary to address this standard.</i></p>