
Prekindergarten | Vermont Early Learning Standards Correlation to *Eureka Math*²[®]

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*²[®], 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*² 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*² 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*² 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*² 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*² 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> ²
<p>MP.1 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>MP.2 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>MP.3 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>MP.4 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>MP.5 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>MP.6 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>MP.7 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>MP.8 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, Quantity, and Counting

1a Number Sense and Quantity

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
Children count in sequence, recognize numerals, connect numerals with quantities, and compare quantities.	<i>This standard is fully addressed by the lessons aligned to its subsections.</i>
<p>1</p> <p>Recite numbers to 20 in sequence with only occasional errors</p>	<i>This standard is fully addressed by Fluency Anytime activities suggested for each module.</i>
<p>2</p> <p>Say the next number that comes before or after in a sequence of 1-10</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 Topic C: Analyze the Count Sequence</p> <p>PK M5 Topic A: Use the Count Sequence to Add and Subtract 1</p>
<p>3</p> <p>Count a group of up to 10 objects and understand that the last number represents the number of objects in the group</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 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>

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
<p>3 <i>continued</i></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 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 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>4</p> <p>Quickly identify number of 1–5 objects without counting</p>	<p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 11: Match Game</p> <p>PK M3 Lesson 7: Do You See 5?</p>
<p>5</p> <p>Read numerals up to 10 and connect them to the quantities they represent</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>

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<p>5 <i>continued</i></p>	<p>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>6</p> <p>Compare groups of up to 10 objects and identify which group has more or less, or if they are the same (equal)</p>	<p>PK M4 Topic D: Compare Sets PK M4 Lesson 18: How Many Crayons? PK M4 Lesson 19: Compare Groups 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</p>

Number Relationships and Operations

2a Number Relationships and Operations

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
<p>Children increasingly use numbers to describe relationships and to solve mathematical problems.</p>	<p><i>This standard is fully addressed by the lessons aligned to its subsections.</i></p>
<p>1</p> <p>Use simple strategies to solve mathematical problems and communicate how they solved the problems</p>	<p><i>This standard is fully addressed as students use strategies to solve mathematical problems and communicate how they solved them throughout modules 3, 4, 5, and 6.</i></p>
<p>2</p> <p>Combine and separate small groups of objects to make new groupings, and identify the resulting number in the group</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 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 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 Topic B: Represent Addition Stories</p> <p>PK M5 Topic C: Compose and Decompose Numbers in More than One Way</p> <p>PK M5 Topic D: Represent Subtraction Stories</p> <p>PK M6 Topic C: Project: Care for Our Space</p>

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
<p>3</p> <p>Match two equal sets using one-to-one correspondence and understand they are the same</p>	<p>PK M4 Lesson 16: Are There Enough?</p> <p>PK M4 Lesson 17: Let's Count and Compare!</p>
<p>4</p> <p>Use a range of strategies such as counting, matching to compare quantity in two sets of objects and describe the relationship with comparative terms (e.g., <i>more</i>, <i>less</i>, <i>fewer</i>, <i>equal</i>)</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>

Measurement, Classification and Data

3a Measurement, Comparison, Classification, and Time

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
<p>Children develop awareness of the differences of the objects and learn to sort, compare and classify objects by their attributes and properties. They also develop a rudimentary sense of time based mostly on common routines.</p>	<p><i>This standard is fully addressed by the lessons aligned to its subsections.</i></p>

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
<p>1</p> <p>Compare and group objects using attributes of length, weight, and size, and explain reasoning (e.g., “I put all the big black buttons in this pile and the small black ones there.”)</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>
<p>2</p> <p>Sort objects using two or more attributes (e.g., sets of large blue bears, small blue bears, large red bears, small red bears) and compare number of objects in each set</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 M5 Lesson 14: Sorting Apples</p> <p>PK M6 Topic A: Project: Create a Business</p> <p><i>Supplemental material is necessary to address sorting with two or more attributes.</i></p>
<p>3</p> <p>Classify familiar objects into categories (e.g., fruits or vegetables)</p>	<p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M6 Topic A: Project: Create a Business</p> <p><i>This standard is fully addressed by Math Anytime activities suggested for module 1.</i></p>
<p>4</p> <p>Order objects by size or length (i.e., seriation)</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>

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
<p>5</p> <p>Use standard and non-standard ways and tools to measure and compare (e.g., 3 hands long)</p>	<p>PK M4 Lesson 12: Balance Scale</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><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>6</p> <p>Use terms such as <i>before</i>, <i>after</i>, <i>now</i>, <i>later</i>, <i>tomorrow</i>, and <i>yesterday</i> accurately</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

Geometry and Spatial Reasoning

4a Geometry and Spatial Sense

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
<p>Children increasingly recognize two- and three-dimensional objects and use spatial reasoning.</p>	<p><i>This standard is fully addressed by the lessons aligned to its subsections.</i></p>
<p>1</p> <p>Name common two- and three-dimensional shapes, and their parts and attributes (e.g., “A triangle has 3 points.”)</p>	<p>PK M2 Topic B: Analyze and Name Two-Dimensional Shapes</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 14: Puppet’s Picture</p> <p>PK M2 Lesson 15: Roll, Slide, or Stack</p>

Vermont Early Learning Standards	Aligned Components of <i>Eureka Math</i> ²
<p>2</p> <p>Combine (i.e., compose) and separate (i.e., decompose) shapes to make 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>
<p>3</p> <p>Use terms such as <i>on top of</i>, <i>beside</i>, <i>in front</i>, etc. to communicate ideas about the relative position of objects</p>	<p>PK M2 Topic A: Spatial Relations</p> <p>PK M2 Lesson 8: Shape Games</p>
<p>4</p> <p>Follow simple directions related to relative position (<i>beside</i>, <i>between</i>, <i>next to</i>, etc.)</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>5</p> <p>Complete a 9–12 piece jigsaw puzzle by looking at the picture and/or shapes</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>