
Prekindergarten | Illinois Early Learning and Development 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>

Demonstrate and apply a knowledge and sense of numbers, including numeration and operations.

6.A Demonstrate beginning understanding of numbers, number names, and numerals.

<p>Illinois Early Learning and Development Standards</p>	<p>Aligned Components of <i>Eureka Math</i>²</p>
<p>6.A.ECa</p> <p>Count with understanding and recognize “how many” in small sets up to 5.</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 14: Rice Scoops</p> <p>PK M1 Lesson 15: Let’s Count!</p> <p>PK M1 Lesson 18: Forest Path Game</p> <p>PK M1 Lesson 24: Mystery Eggs</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M2 Lesson 17: Let’s Count and Record!</p> <p>PK M3 Lesson 7: Do You See 5?</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>6.A.ECb</p> <p>Use subitizing (the rapid and accurate judgment of how many items there are without counting) to identify the number of objects in sets of 4 or less.</p>	<p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 11: Match Game</p> <p>PK M3 Lesson 3: Decompose 3</p> <p>PK M3 Lesson 4: Decompose 4</p>

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<p>6.A.ECc</p> <p>Understand and appropriately use informal or everyday terms that mean zero, such as “none” or “nothing.”</p>	<p>PK M1 Lesson 11: Match Game</p> <p>PK M1 Lesson 16: Number Recipe</p> <p>PK M1 Lesson 17: Bean Bag Toss</p> <p>PK M5 Lesson 1: Bears on Stairs</p> <p>PK M5 Lesson 2: 1 Less</p> <p>PK M5 Lesson 4: 1 More, 1 Less the Math Way</p>
<p>6.A.ECd</p> <p>Connect numbers to quantities they represent using physical models and informal representations.</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> <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 M3 Topic B: Use Structure to Explore Numbers 6–10</p> <p>PK M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>

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<p>6.A.ECe</p> <p>Differentiate numerals from letters and recognize some single-digit written numerals.</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> <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 M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>
<p>6.A.ECf</p> <p>Verbally recite numbers from 1 to 10.</p>	<p><i>This standard is fully addressed by Fluency Anytime activities suggested for each module.</i></p>

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<p>6.A.ECg</p> <p>Be able to say the number after another in the series up to 9 when given a “running start,” as in “What comes after one, two, three, four...?”</p>	<p>PK M1 Lesson 10: Written Numbers</p> <p>PK M1 Lesson 14: Rice Scoops</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 Topic C: Analyze the Count Sequence</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>
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Demonstrate and apply a knowledge and sense of numbers, including numeration and operations.

6.B Add and subtract to create new numbers and begin to construct sets.

<p>Illinois Early Learning and Development Standards</p>	<p>Aligned Components of <i>Eureka Math</i>²</p>
<p>6.B.ECa</p> <p>Recognize that numbers (or sets of objects) can be combined or separated to make another number.</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 Topic B: Use Structure to Explore Numbers 6–10</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>
<p>6.B.ECb</p> <p>Show understanding of how to count out and construct sets of objects of a given number up to 5.</p>	<p>PK M1 Topic D: Count Out a Set of Up to 5 Objects</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 M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>
<p>6.B.ECc</p> <p>Identify the new number created when small sets (up to 5) are combined or separated.</p>	<p>PK M5 Topic B: Represent Addition Stories</p> <p>PK M5 Topic D: Represent Subtraction Stories</p> <p>PK M6 Topic C: Project: Care for Our Space</p>

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>6.B.ECd</p> <p>Informally solve simple mathematical problems presented in a meaningful context.</p>	<p>PK M5 Lesson 5: Market Math</p> <p>PK M5 Topic B: Represent Addition Stories</p> <p>PK M5 Topic D: Represent Subtraction Stories</p> <p>PK M6 Topic C: Project: Care for Our Space</p>
<p>6.B.ECe</p> <p>Fairly share a set of up to 10 items between two children.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

Demonstrate and apply a knowledge and sense of numbers, including numeration and operations.

6.C Begin to make reasonable estimates of numbers.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>6.C.ECa</p> <p>Estimate number of objects in a small set.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

Demonstrate and apply a knowledge and sense of numbers, including numeration and operations.

6.D Compare quantities using appropriate vocabulary terms.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>6.D.ECa</p> <p>Compare two collections to see if they are equal or determine which is more, using a procedure of the child’s choice.</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>6.D.ECb</p> <p>Describe comparisons with appropriate vocabulary, such as “more,” “less,” “greater than,” “fewer,” “equal to,” or “same as.”</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>

Explore measurement of objects and quantities.

7.A Measure objects and quantities using direct comparison methods and nonstandard units.

<p>Illinois Early Learning and Development Standards</p>	<p>Aligned Components of <i>Eureka Math</i>²</p>
<p>7.A.ECa</p> <p>Compare, order, and describe objects according to a single attribute.</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>7.A.ECb</p> <p>Use nonstandard units to measure attributes such as length and capacity.</p>	<p>PK M4 Lesson 21: How Many Scoops?</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>7.A.ECc</p> <p>Use vocabulary that describes and compares length, height, weight, capacity, and size.</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>7.A.ECd</p> <p>Begin to construct a sense of time through participation in daily activities.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

Explore measurement of objects and quantities.

7.B Begin to make estimates of measurements.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i>²
<p>7.B.ECa</p> <p>Practice estimating in everyday play and everyday measurement problems.</p>	<p><i>This standard is addressed by Math Anytime activities suggested for module 4.</i></p>

Explore measurement of objects and quantities.

7.C Explore tools used for measurement.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i>²
<p>7.C.ECa</p> <p>With teacher assistance, explore use of measuring tools that use standard units to measure objects and quantities that are meaningful to the child.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>
<p>7.C.ECb</p> <p>Know that different attributes, such as length, weight, and time, are measured using different kinds of units, such as feet, pounds, and seconds.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

Identify and describe common attributes, patterns, and relationships in objects.

8.A Explore objects and patterns.

<p>Illinois Early Learning and Development Standards</p>	<p>Aligned Components of <i>Eureka Math</i>²</p>
<p>8.A.ECa</p> <p>Sort, order, compare, and describe objects according to characteristics or attribute(s).</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 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>8.A.ECb</p> <p>Recognize, duplicate, extend, and create simple patterns in various formats.</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>

Identify and describe common attributes, patterns, and relationships in objects.

8.B Describe and document patterns using symbols.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>8.B.ECa</p> <p>With adult assistance, represent a simple repeating pattern by verbally describing it or by modeling it with objects or actions.</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>

Explore concepts of geometry and spatial relations.

9.A Recognize, name, and match common shapes.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>9.A.ECa</p> <p>Recognize and name common two- and three-dimensional shapes and describe some of their attributes (e.g., number of sides, straight or curved lines).</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> <p>PK M2 Lesson 16: Pyramids!</p>
<p>9.A.ECb</p> <p>Sort collections of two- and three-dimensional shapes by type (e.g., triangles, rectangles, circles, cubes, spheres, pyramids).</p>	<p>PK M2 Lesson 6: Sort the Shapes</p> <p>PK M2 Lesson 15: Roll, Slide, or Stack</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>9.A.ECc</p> <p>Identify and name some of the faces (flat sides) of common three-dimensional shapes using two-dimensional shape names.</p>	<p>PK M2 Lesson 14: Puppet’s Picture</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>9.A.ECd</p> <p>Combine two-dimensional shapes to create new shapes.</p>	<p>PK M2 Lesson 9: Shape Pictures</p> <p>PK M2 Lesson 10: Shape Puzzles</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>9.A.ECe</p> <p>Think about/imagine how altering the spatial orientation of a shape will change how it looks (e.g., turning it upside down).</p>	<p>PK M1 Lesson 2: Same and Different</p> <p>PK M2 Lesson 10: Shape Puzzles</p>

Explore concepts of geometry and spatial relations.

9.B Demonstrate an understanding of location and ordinal position, using appropriate vocabulary.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>9.B.ECa</p> <p>Show understanding of location and ordinal position.</p>	<p>PK M2 Topic A: Spatial Relations</p> <p>PK M2 Lesson 8: Shape Games</p> <p>PK M5 Lesson 21: Create Patterns</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>

Illinois Early Learning and Development Standards

Aligned Components of *Eureka Math*²

<p>9.B.ECb</p> <p>Use appropriate vocabulary for identifying location and ordinal position.</p>	<p>PK M2 Topic A: Spatial Relations</p> <p>PK M2 Lesson 8: Shape Games</p> <p>PK M5 Lesson 21: Create Patterns</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>
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Begin to make predictions and collect data information.

10.A Generate questions and processes for answering them.

Illinois Early Learning and Development Standards

Aligned Components of *Eureka Math*²

<p>10.A.ECa</p> <p>With teacher assistance, come up with meaningful questions that can be answered through gathering information.</p>	<p>PK M4 Lesson 13: Collect Data and Compare</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>10.A.ECb</p> <p>Gather data about themselves and their surroundings to answer meaningful questions.</p>	<p>PK M4 Lesson 13: Collect Data and Compare</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>

Begin to make predictions and collect data information.

10.B Organize and describe data and information.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>10.B.ECa</p> <p>Organize, represent, and analyze information using concrete objects, pictures, and graphs, with teacher support.</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>
<p>10.B.ECb</p> <p>Make predictions about the outcome prior to collecting information, with teacher support and multiple experiences over time.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

Begin to make predictions and collect data information.

10.C Determine, describe, and apply the probabilities of events.

Illinois Early Learning and Development Standards	Aligned Components of <i>Eureka Math</i> ²
<p>10.C.ECa</p> <p>Describe likelihood of events with appropriate vocabulary, such as “possible,” “impossible,” “always,” and “never.”</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>