

Prekindergarten | Indiana Early Learning Foundations 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>

Numeracy: Early learners develop foundational skills in learning and understanding counting, cardinality, written numerals, quantity, and comparison.

M1.1 Demonstrate strong sense of counting

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Count the number sequence 1–20.	PK M1 Lesson 3: Crayon Group PK M1 Lesson 5: Sorting Bags PK M1 Lesson 6: Matching Markers PK M1 Lesson 8: Let’s Count! PK M1 Lesson 10: Written Numbers 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 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 4: 1 More, 1 Less the Math Way 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

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<p>Count backward from 10.</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><i>This standard is also addressed by the Fluency Anytime activities suggested for module 5.</i></p>
<p>Recognize the last number name said tells the number of objects counted.</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 Lesson 18: Forest Path Game</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> <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 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 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>

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<p>Recognize the last number name said tells the number of objects counted. <i>continued</i></p>	<p>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>
<p>Draw pictures, symbols, or use manipulatives to represent spoken numbers 0–10.</p>	<p>PK M1 Lesson 12: Count the Math Way PK M1 Topic D: Count Out a Set of Up to 5 Objects PK M1 Lesson 24: Mystery Eggs PK M1 Lesson 26: Count on the Rekenrek PK M1 Lesson 27: 5-Groups PK M1 Lesson 31: Match or No Match? PK M1 Lesson 32: Make It Match PK M1 Lesson 33: Dinosaur World PK M3 Lesson 8: Make Your Own Rekenrek! 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 13: Number Stairs 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</p>
<p>Identify, without counting, small quantities of items (1–4) presented in an irregular or unfamiliar pattern (subitize).</p>	<p>PK M1 Lesson 7: Animal Count PK M1 Lesson 11: Match Game PK M3 Lesson 3: Decompose 3 PK M3 Lesson 4: Decompose 4</p>

Numeracy: Early learners develop foundational skills in learning and understanding counting, cardinality, written numerals, quantity, and comparison.

M1.2 Demonstrate understanding of written numerals

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Match number symbols with amounts 1–10.	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
Name written numerals from 0–10.	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

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<p>Name written numerals from 0–10. <i>continued</i></p>	<p>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>
<p>Write numerals 1–10.</p>	<p>PK M1 Lesson 23: Story Cards PK M1 Lesson 32: Make It Match PK M3 Lesson 2: Bunny Puzzles PK M3 Lesson 3: Decompose 3 PK M3 Lesson 4: Decompose 4 PK M3 Lesson 5: Decompose 5 PK M3 Lesson 9: Decompose 6 and 7 PK M3 Lesson 10: Decompose 8 and 9 PK M3 Lesson 11: Decompose 10 PK M6 Topic A: Project: Create a Business</p>

Numeracy: Early learners develop foundational skills in learning and understanding counting, cardinality, written numerals, quantity, and comparison.

M1.3 Recognition of number relations

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Identify when 2 sets are equal using matching and counting strategies.	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
Correctly use the words for position.	PK M5 Lesson 21: Create Patterns PK M6 Topic B: Project: Plan a Celebration
Compare the values of two numbers from 1 to 10 presented as written numerals.	PK M4 Lesson 8: Compare by Using Numbers PK M4 Lesson 15: Trains PK M4 Lesson 17: Let’s Count and Compare! PK M4 Lesson 19: Compare Groups PK M4 Lesson 20: Explore Area PK M4 Lesson 21: How Many Scoops?
Demonstrate the understanding of the concept of <i>before</i> .	PK M3 Lesson 14: Number Detective PK M5 Lesson 5: Market Math <i>Supplemental material is necessary to fully address this standard.</i>

Computation and Algebraic Thinking: Early learners develop foundational skills in learning and understanding mathematic structure and patterning.

M2.1 Exhibit understanding of mathematic structure

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Use understanding that numbers can be composed and decomposed to create new numbers in solving problems with quantities under five.	PK M3 Lesson 3: Decompose 3 PK M3 Lesson 4: Decompose 4 PK M5 Topic C: Compose and Decompose Numbers in More than One Way

Computation and Algebraic Thinking: Early learners develop foundational skills in learning and understanding mathematic structure and patterning.

M2.2 Demonstrate awareness of patterning

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Begin to create and extend a new simple pattern.	PK M3 Topic D: Use Structure to Analyze Patterns 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
Understand sequence of events when clearly explained.	PK M2 Lesson 2: Use the Clues <i>Supplemental material is necessary to fully address this standard.</i>

Data Analysis: Early learners develop foundational skills in learning to understand concepts of classification, data collection, organization, and description.

M3.1 Demonstrate understanding of classifying

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Explain simple sorting or classifying strategies.	PK M1 Topic A: Use Attributes to Match and Sort PK M1 Topic E: Sort to Decompose PK M1 Lesson 34: Culminating Activity PK M6 Topic A: Project: Create a Business
Sort a group of objects in multiple ways.	PK M1 Lesson 5: Sorting Bags PK M1 Topic E: Sort to Decompose PK M1 Lesson 34: Culminating Activity PK M6 Topic A: Project: Create a Business
Create and describe simple graphs.	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

Geometry: Early learners develop foundational skills in learning and understanding spatial relationships and shape analysis.

M4.1 Understanding of spatial relationships

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Complete lined tangram or pattern block puzzles using basic shapes.	PK M2 Lesson 10: Shape Puzzles PK M3 Lesson 1: How Many Parts? PK M3 Lesson 2: Bunny Puzzles
Use position terms such as <i>above</i> , <i>below</i> , <i>beside</i> , and <i>between</i> .	PK M2 Topic A: Spatial Relations PK M2 Lesson 8: Shape Games

Geometry: Early learners develop foundational skills in learning and understanding spatial relationships and shape analysis.

M4.2 Exhibit ability to identify, describe, analyze, compare, and create shapes

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Use the attributes of shapes to distinguish between shapes.	PK M2 Topic B: Analyze and Name Two-Dimensional Shapes PK M2 Lesson 11: Build Shapes PK M2 Lesson 12: Build My Shape PK M2 Lesson 13: Shape Towers PK M2 Lesson 14: Puppet’s Picture PK M2 Lesson 15: Roll, Slide, or Stack
Differentiate two- and three-dimensional shapes (e.g., squares from cubes).	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!

Measurement: Early learners develop foundational skills in learning and understanding concepts of time and measurement comparisons.

M5.1 Understand concept of time

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Know daily concepts of earlier and later, morning and afternoon.	Supplemental material is necessary to address this standard.

Measurement: Early learners develop foundational skills in learning and understanding concepts of time and measurement comparisons.

M5.2 Understand measurement through description and comparison

Indiana Early Learning Foundations	Aligned Components of <i>Eureka Math</i> ²
Directly compare and describe two or more objects with a measurable attribute.	PK M4 Topic A: Describe Size 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
Measure length and volume (capacity) using a standard measurement tool.	PK M4 Lesson 21: How Many Scoops? PK M4 Lesson 22: Compare Attributes <i>Supplemental material is necessary to fully address this standard.</i>