
Prekindergarten | Alabama Standards for Early Learning and Development 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>

Numbers and Quantity

MAT1a Number Relationships: Children will understand the concept of numbers, and the relationships between numbers and quantities.

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Aligned Components of *Eureka Math*²

<p>MAT1aOP-1</p> <p>Understand that written numerals represent quantities of objects (up to 10).</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>MAT1aOP-2</p> <p>Compare groups of objects and tell which is same or different, more, less or fewer.</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>

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<p>MAT1aOP-2 <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>MAT1aOP-3 Subitize (immediately recognize without counting) five or more objects.</p>	<p>PK M1 Lesson 7: Animal Count PK M1 Lesson 11: Match Game PK M1 Lesson 29: Match Game PK M3 Topic B: Use Structure to Explore Numbers 6–10</p>
<p>MAT1aOP-4 Identify written numerals from zero (0) up to 10.</p>	<p>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</p>

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Aligned Components of *Eureka Math*²

<p>MAT1aOP-5</p> <p>Match numerals with the correct number of objects, with assistance.</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>
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Numbers and Quantity

MAT1b Counting and Number Sense: Children will connect number names to quantities.

Alabama Standards for Early Learning and Development	Aligned Components of <i>Eureka Math</i> ²
<p>MAT1bOP-1 Rote count up to 20 in sequence.</p>	<p><i>This standard is fully addressed by Fluency Anytime activities suggested for each module.</i></p>
<p>MAT1bOP-2 Count backwards from 10 to 0.</p>	<p>PK M5 Lesson 1: Bears on Stairs PK M5 Lesson 2: 1 Less</p> <p><i>This standard is fully addressed by Fluency Anytime activities suggested for module 5.</i></p>
<p>MAT1bOP-3 Demonstrate one-to-one correspondence when counting objects placed in a row (one to 15 and beyond).</p>	<p>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 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>

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<p>MAT1bOP-4</p> <p>Count out a specified number of objects up to 10.</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 M3 Lesson 8: Make Your Own Rekenrek!</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 13: Number Stairs</p> <p>PK M6 Topic A: Project: Create a Business</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>
<p>MAT1bOP-5</p> <p>Understand that the last number represents how many objects are in a 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 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>

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<p>MAT1bOP-5 <i>continued</i></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 M6 Topic A: 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>
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Algebraic Thinking

MAT2a Operations: Children will develop an understanding of putting together, adding to, taking apart, and taking from.

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Aligned Components of *Eureka Math*²

<p>MAT2aOP-1</p> <p>Use addition and subtraction concepts while playing with sets of objects (0–10).</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 D: Represent Subtraction Stories</p> <p>PK M6 Topic C: Care for Our Space</p>
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Aligned Components of *Eureka Math*²

<p>MAT2aOP-2</p> <p>Independently change size of sets by combining or taking away.</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 Topic C: Compose and Decompose Numbers in More than One Way</p>
<p>MAT2aOP-3</p> <p>Understand that each successive number name refers to a quantity that is one larger.</p>	<p>PK M1 Lesson 18: Forest Path Game</p> <p>PK M3 Lesson 12: 1 More</p> <p>PK M3 Lesson 13: Number Stairs</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 Lesson 9: Mental Movies: Addition</p>

Algebraic Thinking

MAT2b Sets: Children will classify and organize objects according to properties and attributes.

Alabama Standards for Early Learning and Development	Aligned Components of <i>Eureka Math</i> ²
<p>MAT2bOP-1</p> <p>Match objects according to two or more attributes.</p>	<p>PK M1 Topic A: Use Attributes to Match and Sort</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M6 Topic A: Project: Create a Business</p> <p><i>Supplemental material is necessary to address matching objects according to two or more attributes.</i></p>
<p>MAT2bOP-2</p> <p>Sort and place in a series objects according to more than attribute.</p>	<p>PK M1 Lesson 4: Crayon and Marker Sort</p> <p>PK M1 Lesson 5: Sorting Bags</p> <p>PK M1 Lesson 22: Animal Sort</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M6 Topic A: Project: Create a Business</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MAT2bOP-3</p> <p>Put up to 10 objects in order according to an attribute.</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><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MAT2bOP-4</p> <p>Demonstrate knowledge that the same set can be sorted in different ways.</p>	<p>PK M1 Lesson 5: Sorting Bags</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

MAT2c Patterns: Children will recognize simple patterns in daily life and play experiences.

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<p>MAT2cOP-1</p> <p>Identify differences in the daily schedule or routine.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>
<p>MAT2cOP-2</p> <p>Identify a pattern, and duplicate or extend.</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>MAT2cOP-3</p> <p>Create a more complex pattern that includes different attributes.</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><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MAT2cOP-4</p> <p>Identify more complex ordinals, such as second, third, or next.</p>	<p>PK M2 Lesson 2: Use the Clues</p> <p>PK M5 Lesson 21: Create Patterns</p> <p>PK M6 Topic B: Project: Plan a Celebration</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>

Spatial Reasoning and Geometry

MAT3a Spatial Reasoning: Children will explore and describe the spatial relationships between objects, their environment, and themselves.

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<p>MAT3aOP-1 Visualize a spatial transformation.</p>	<p>PK M2 Topic A: Spatial Relations PK M2 Lesson 8: Shape Games PK M2 Lesson 10: Shape Puzzles</p>
<p>MAT3aOP-2 Describe the way in which objects fit together or verbally share plans with how to fit objects together.</p>	<p>PK M2 Lesson 10: Shape Puzzles PK M2 Lesson 13: Shape Towers 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</p>
<p>MAT3aOP-3 Move body in different ways independently or following directions in response to music or song.</p>	<p>PK M2 Topic A: Spatial Relations PK M3 Lesson 12: 1 More PK M3 Lesson 18: Pattern Units PK M3 Lesson 19: Number Cha-Cha PK M3 Lesson 20: Find the Missing Piece PK M5 Lesson 2: 1 Less PK M5 Lesson 21: Create Patterns PK M5 Lesson 22: Music and Movement</p> <p><i>This standard is fully addressed by Fluency Anytime and Math Anytime activities suggested for each module.</i></p>

Spatial Reasoning and Geometry

MAT3b Shapes: Children will explore, visualize, and analyze shapes and shape attributes.

Alabama Standards for Early Learning and Development	Aligned Components of <i>Eureka Math</i> ²
<p>MAT3bOP-1</p> <p>Identify and classify 2-D and 3-D shapes by their attributes.</p>	<p>PK M2 Topic B: Analyze and Name Two-Dimensional Shapes</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>MAT3bOP-2</p> <p>Visualize shapes by description and find them in the environment.</p>	<p>PK M2 Lesson 5: Circles</p> <p>PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles</p> <p>PK M2 Lesson 8: Shape Games</p> <p>PK M2 Lesson 14: Puppet’s Picture</p>
<p>MAT3bOP-3</p> <p>Complete complex shape puzzles.</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>

Measurement and Data Analysis

MAT4a Measurement and Time: Children will explore and communicate about distance, weight, length, height, and time.

Alabama Standards for Early Learning and Development	Aligned Components of <i>Eureka Math</i> ²
<p>MAT4aOP-1</p> <p>Order objects in a series according to size.</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>MAT4aOP-2</p> <p>Use a variety of techniques with standard and non-standard tools to measure and compare objects.</p>	<p>PK M4 Lesson 3: Explore Capacity</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: Care for Our Space</p> <p><i>Supplemental material is necessary to address using standard and non-standard tools.</i></p>
<p>MAT4aOP-3</p> <p>Compare objects by two or more attributes.</p>	<p>PK M4 Lesson 22: Compare Attributes</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MAT4aOP-4</p> <p>Show a beginning awareness of the concept of time as a sequence of events.</p>	<p>PK M2 Lesson 2: Use the Clues</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MAT4aOP-5</p> <p>Use beginning skills of estimation in solving everyday measurement problems.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

Measurement and Data Analysis

MAT4b Logical Thinking, Reasoning, and Data Analysis: Child uses logical thinking and reasoning to solve meaningful problems and inform decisions.

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<p>MAT4bOP-1</p> <p>Use trial and error to reach a solution to a problem.</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>
<p>MAT4bOP-2</p> <p>Gather data to answer questions to problems.</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 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>MAT4bOP-3</p> <p>Make a prediction based on data.</p>	<p>PK M4 Lesson 4: How Much Juice?</p> <p>PK M4 Lesson 18: How Many Crayons?</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MAT4bOP-4</p> <p>Interpret a chart or graph to explain data findings.</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>