EUREKA MATH²®

GREAT MINDS™

Prekindergarten | Arizona Mathematics Standards Correlation to *Eureka Math²*®

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 Math²*®, 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 Math²* 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 Math² 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 Math² 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 Math²* 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 Math²* 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 *Eureka Math²*
MP.1 Make sense of problems and persevere in solving them.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.2 Reason abstractly and quantitatively.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.3 Construct viable arguments and critique the reasoning of others.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.4 Model with mathematics.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.5 Use appropriate tools strategically.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.6 Attend to precision.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.7 Look for and make use of structure.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.
MP.8 Look for and express regularity in repeated reasoning.	Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.

Counting and Cardinality

1.1 Counts Out Loud: The child counts out loud and uses number words in daily conversations.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
1.1.a Shows interest in and awareness of counting.	PK M1 Lesson 8: Let's Count! PK M1 Lesson 15: Let's Count! 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 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
1.1.b Rote counts zero to ten and beyond with increasing accuracy.	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

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
1.1.b *continued*	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

Counting and Cardinality

1.2 Knows Number Names and Symbols: The child identifies numerals and uses number words in daily activities.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
1.2.a Uses numerals and number symbols in the context of daily routines, activities, and play.	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

Arizona Early Learning Standards	**Aligned Components of *Eureka Math²***
1.2.a *continued*	PK M6 Topic A: Project: Create a Business
	PK M6 Topic B: Project: Plan a Celebration
1.2.b Uses and creates symbols to represent numbers.	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
1.2.c Uses a variety of materials (i.e., clay, sand, shaving cream) to write and form numerals and numeral-like symbols.	*Supplemental material is necessary to address this standard.*

Arizona Early Learning Standards	**Aligned Components of *Eureka Math²***
1.2.d Identifies numerals zero to ten.	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
1.2.e Differentiates some written numerals from written letters.	*Supplemental material is necessary to address this standard.*

Counting and Cardinality

1.3 Compares Numbers and Quantities: The child applies a range of strategies such as matching or counting to compare sets of objects.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
1.3.a Compares two sets of objects using terms such as greater than, less than, or equal to.	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

Counting and Cardinality

1.4 Counts to Tell Number of Objects: The child uses number words and counting to identify quantity.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
1.4.a Identifies quantities of three to five objects without counting using visual approximation (Subitize).	PK M1 Lesson 7: Animal Count PK M1 Lesson 11: Match Game PK M1 Lesson 29: Match Game PK M3 Lesson 7: Do You See 5?
1.4.b Demonstrates the ability to match object to object in a group (One-to-one correspondence).	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!

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
1.4.b *continued*	PK M2 Lesson 17: Let's Count and Record!
	PK M3 Lesson 17: Let's Count and Record!
	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
1.4.c Counts groups of objects using a number word for each object (Rational counting).	PK M1 Lesson 7: Animal Count
	PK M1 Lesson 8: Let's Count!
	PK M1 Lesson 15: Let's Count!
	PK M1 Topic D: Count Out a Set of Up to 5 Objects
	PK M1 Lesson 30: Let's Count and Record!
	PK M1 Lesson 31: Match or No Match?
	PK M1 Lesson 32: Make It Match
	PK M1 Lesson 33: Dinosaur World
	PK M2 Lesson 17: Let's Count and Record!
	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 M3 Lesson 17: Let's Count and Record!
	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
	PK M6 Topic C: Project: Care for Our Space

Arizona Early Learning Standards	**Aligned Components of *Eureka Math²***
1.4.d Counts a collection of up to ten items using the last counting word to tell, "How many?" (Cardinality)	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 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 Lesson 34: Culminating Activity PK M2 Lesson 17: Let's Count and Record! PK M3 Lesson 7: Do You See 5? 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 17: Let's Count and Record! PK M6 Topic A: Project: Create a Business PK M6 Topic C: Project: Care for Our Space
1.4.e Matches numerals to quantities using manipulatives.	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

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
1.4.e *continued*	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

Operations and Algebraic Thinking

2.1 Explores Addition and Subtraction: The child recognizes addition as adding to and subtraction as taking away from.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
2.1.a Recognizes that adding increases the number of objects in a group.	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 M6 Topic C: Project: Care for Our Space
2.1.b Describes changes in two or more sets of objects when they are combined.	PK M5 Topic B: Represent Addition Stories
	PK M5 Lesson 12: Match Game: Make 4
	PK M5 Lesson 13: Turtle Time
	PK M5 Lesson 14: Sorting Apples
	PK M6 Topic C: Project: Care for Our Space

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
2.1.c Recognizes that taking away (subtracting) decreases the number of objects in a group.	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 D: Represent Subtraction Stories PK M6 Topic C: Project: Care for Our Space
2.1.d Describes changes in a set of objects when they are separated into parts.	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 11: Break Apart 5 PK M5 Lesson 13: Turtle Time PK M5 Lesson 14: Sorting Apples PK M5 Topic D: Represent Subtraction Stories PK M6 Topic C: Project: Care for Our Space
2.1.e Counts on from the larger number for addition.	*Supplemental material is necessary to address this standard.*

Operations and Algebraic Thinking
2.2 Patterning: The child recognizes, fixes, duplicates, extends, describes, and creates patterns.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
2.2.a Recognizes patterns in the real world.	PK M3 Lesson 19: Number Cha-Cha PK M3 Lesson 21: A Story in Strings PK M3 Lesson 22: Red Light, Green Light! 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
2.2.b Fixes simple patterns.	PK M3 Lesson 18: Pattern Units PK M3 Lesson 20: Find the Missing Piece PK M5 Lesson 23: Patterns Everywhere
2.2.c Duplicates simple patterns.	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
2.2.d Extends patterns.	PK M3 Lesson 18: Pattern Units PK M3 Lesson 21: A Story in Strings PK M3 Lesson 22: Red Light, Green Light! 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

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
2.2.e Creates patterns.	PK M3 Lesson 21: A Story in Strings 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
2.2.f Describes similarities and differences in patterns.	*Supplemental material is necessary to address this standard.*

Measurement and Data

3.1 Sorts and Classifies: The child sorts and groups objects by a variety of attributes.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
3.1.a Sorts and classifies objects by one or more attributes (e.g., size, color, shape, texture, use).	PK M1 Topic A: Use Attributes to Match and Sort PK M1 Topic E: Sort to Decompose PK M1 Lesson 34: Culminating Activity PK M5 Lesson 19: Compare Groups PK M6 Topic A: Project: Create a Business
3.1.b Explains how items were sorted into groups.	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

Measurement and Data

3.2 Data Analysis: With prompting and support the child collects, organizes, displays, and describes relevant data.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
3.2.a Asks questions to gather measurable data.	PK M4 Lesson 13: Collect Data and Compare PK M4 Lesson 18: How Many Crayons? 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
3.2.b Displays data to answer simple questions about themselves or the environment.	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
3.2.c Uses descriptive language to compare data in picture graphs or other concrete representations.	PK M4 Lesson 4: How Much Juice? PK M4 Lesson 13: Collect Data and Compare PK M4 Lesson 18: How Many Crayons? PK M4 Lesson 19: Compare Groups 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
3.2.d Analyzes data from charts and graphs to answer questions.	PK M4 Lesson 18: How Many Crayons? PK M4 Lesson 19: Compare Groups PK M6 Topic A: Project: Create a Business PK M6 Topic B: Project: Plan a Celebration

Measurement and Data

3.3 Measures: The child uses measurement to describe and compare objects in the environment.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
3.3.a Compares objects and uses terms (e.g., lighter-heavier, hotter-colder, and faster-slower).	PK M4 Lesson 3: Explore Capacity PK M4 Lesson 4: How Much Juice? 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
3.3.b Uses non-standard units of measurement (e.g., hands, bodies, containers) to estimate measurable attributes.	PK M6 Topic C: Project: Care for Our Space *Supplemental material is necessary to address this standard.*
3.3.c Uses various standard measuring tools for simple measuring tasks.	PK M4 Lesson 12: Balance Scale PK M4 Lesson 21: How Many Scoops? PK M4 Lesson 22: Compare Attributes *Supplemental material is necessary to address this standard.*
3.3.d Orders objects by measurable attributes.	PK M4 Lesson 8: Compare by Using Numbers PK M4 Lesson 9: Straw Line Up PK M4 Lesson 15: Trains

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
3.3.e Uses appropriate vocabulary to describe time and sequence related to daily routines (e.g., tomorrow, yesterday, next, this morning).	*Supplemental material is necessary to address this standard.*

Geometry

4.1 Shapes: The child recognizes names and describes common shapes and their properties.

Arizona Early Learning Standards	Aligned Components of *Eureka Math²*
4.1.a Recognizes basic two-dimensional shapes when presented in different orientations.	PK M2 Topic B: Analyze and Name Two-Dimensional Shapes PK M2 Lesson 14: Puppet's Picture
4.1.b Uses the names of geometric shapes when describing objects found in the environment.	PK M2 Lesson 5: Circles PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles PK M2 Lesson 8: Shape Games PK M2 Lesson 14: Puppet's Picture
4.1.c Creates two-dimensional shapes during play.	PK M2 Topic C: Build and Compose Two-Dimensional Shapes PK M3 Lesson 1: How Many Parts? PK M3 Lesson 2: Bunny Puzzles PK M6 Topic B: Project: Plan a Celebration

Arizona Early Learning Standards	**Aligned Components of *Eureka Math²***
4.1.d Creates three-dimensional (solid) shapes during play.	PK M2 Lesson 13: Shape Towers PK M2 Lesson 14: Puppet's Picture PK M2 Lesson 16: Pyramids!
4.1.e Compares, describes, analyzes, and sorts two- and three-dimensional objects in the environment using formal and informal mathematical language with prompting and support based on their attributes.	PK M2 Lesson 4: Shapes in Art PK M2 Lesson 5: Circles PK M2 Lesson 6: Sort the Shapes PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles PK M2 Lesson 13: Shape Towers PK M2 Lesson 15: Roll, Slide, or Stack

Geometry

4.2 Spatial Reasoning: The child uses and demonstrates an understanding of positional terms.

Arizona Early Learning Standards	**Aligned Components of *Eureka Math²***
4.2.a Uses and responds to spatial language (e.g., between, inside, under, above, behind).	PK M2 Topic A: Spatial Relations PK M2 Lesson 8: Shape Games
4.2.b Describes the relative position or location of objects in relation to self or to other objects with mathematical precision.	PK M2 Topic A: Spatial Relations PK M2 Lesson 8: Shape Games