Prekindergarten | Kansas Early Learning 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.

Counting and Cardinality
Know number names and the count sequence

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.CC.p4.1 Counts in sequence to 30.	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 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

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.CC.p4.2 Represents a group of objects with a written numeral 0–12 (with 0 representing a count of no objects).	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
M.CC.p4.3 Counts forward beginning from a given number (under 10) within the known sequence (instead of having to begin at 1).	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

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.CC.p4.3 *continued*	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 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
Count to tell the number of objects

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.CC.p4.4 Understands the relationship between numbers and quantities to 10; connect counting to cardinality.	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 M6 Project A: Create a Business
	PK M6 Topic B: Project: Plan a Celebration
	PK M6 Topic C: Project: Care for Our Space

Kansas Early Learning Standards	**Aligned Components of *Eureka Math²***
M.CC.p4.4a Uses one-to-one correspondence when counting objects, says the number names in the standard order pairing with each object (e.g., counts out napkins for snack time, saying the number aloud as they put each one on the table).	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

Kansas Early Learning Standards	**Aligned Components of *Eureka Math²***
M.CC.p4.4b1 Understands that the last number name said tells the numbers of objects counted (cardinality).	PK M1 Lesson 8: Let's Count! PK M1 Lesson 14: Rice Scoops 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 M6 Topic A: Project: Create a Business PK M6 Topic C: Project: Care for Our Space
M.CC.p4.4b2 Understands that the number of objects remains the same regardless of the order in which the objects were counted.	PK M1 Lesson 8: Let's Count! PK M1 Lesson 14: Rice Scoops 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 M6 Topic A: Project: Create a Business PK M6 Topic C: Project: Care for Our Space
M.CC.p4.4c Demonstrates an understanding that each successive number name refers to a quantity that is one larger.	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

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.CC.p4.4c *continued*	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 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
M.CC.p4.5 Counts to answer "how many?" questions about as many as 10 things arranged in a line, a rectangular array or a circle or as many as 5 things in a scattered configuration.	PK M1 Lesson 7: Animal Count
	PK M1 Lesson 8: Let's Count!
	PK M1 Lesson 9: How Many?
	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

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.CC.p4.5 *continued*	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 B: Project: Plan a Celebration

Counting and Cardinality
Compare Numbers

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.CC.p4.6 Identifies whether the number of objects in one group is greater than, less than or equal to the number of objects in another group up to 10 by using matching and counting strategies (e.g., compares the number of letters in their friend's names and indicates who has more or less).	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
M.CC.p4.7 Perceptually subitizes to 5 (e.g., instantly recognizes briefly shown collections up to 5 when presented in a variety of arrangements and verbally names the number of items).	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?

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.CC.p4.8 Compares two numbers between 1 and 5 when presented as written numerals (e.g., 3 is more than 1, 4 is less than 5).	*Supplemental material is necessary to address this standard.*

Operations and Algebraic Thinking

Understand addition as putting together and adding to and understand subtraction as taking apart and taking from

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.OA.p4.1 Demonstrates an understanding of addition and subtraction by using objects, fingers and acting out practical situations (e.g., if we have 3 toy giraffes in our block area and add 2 toy elephants, how many animals will we have all together?).	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 M5 Topic D: Represent Subtraction Stories PK M6 Topic C: Project: Care for Our Space
M.OA.p4.2 Composes and decomposes numbers less than or equal to 5 into pairs in more than one way by using objects.	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 M5 Topic C: Compose and Decompose Numbers in More than One Way

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.OA.p4.3 Identifies patterns in the real world and in numbers (e.g., +1 pattern where one more than 3 is 4, one more than 4 is 5, written numerals follow a definite number pattern as the ones digits repeat, 100's chart).	PK M3 Topic D: Use Structure to Analyze Patterns PK M3 Lesson 12: 1 More PK M3 Lesson 13: Number Stairs PK M3 Lesson 14: Number Detective PK M3 Lesson 15: Count on the Rekenrek PK M3 Lesson 16: Counting with Puppet PK M5 Lesson 1: Bears on Stairs PK M5 Lesson 2: 1 Less PK M5 Lesson 3: 1 More, 1 Less 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

Measurement and Data
Describe and compare measurable attributes

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.MD.p4.1 Describes and compares objects using measurable attributes (length, size, capacity and weight).	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

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.MD.p4.2 Directly compares two objects with a measurable attribute in common to see which objects has "more of" / "less of" the attribute (e.g., compare the heights of two children and describe one child as taller or shorter).	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

Measurement and Data

Classify objects and count the number of objects in each category

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.MD.p4.3 Sorts objects into categories; counts the numbers of objects in each category (limit category counts to less than or equal to 10); makes comparisons between the categories based on quantity.	PK M1 Lesson 4: Crayon and Marker Sort PK M1 Lesson 5: Sorting Bags PK M1 Topic E: Sort to Decompose PK M1 Lesson 34: Culminating Activity PK M4 Lesson 19: Compare Groups PK M6 Topic A: Project: Create a Business
M.MD.p4.4 Collects data by categories to answer simple questions.	PK M4 Lesson 13: Collect Data and Compare 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

Geometry
Identify and describe shapes

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.G.p4.1 Describes objects in the environment using names of shapes and describes the relative positions of these objects using terms (e.g., above, below, beside, in front of, behind and next to).	PK M2 Topic A: Spatial Relations PK M2 Lesson 8: Shape Games
M.G.p4.2 Correctly name shapes regardless of their orientations or overall size.	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

Geometry
Analyze, compare, create and compose shapes

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.G.p4.3 Analyzes and compares two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices / "corners") and other attributes (e.g., having sides of equal length).	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

Kansas Early Learning Standards	Aligned Components of *Eureka Math²*
M.G.p4.4 Creates shapes during play by building, drawing, etc.	PK M2 Lesson 11: Build Shapes PK M2 Lesson 12: Build My Shape PK M2 Lesson 16: Pyramids!
M.G.p4.5 Puts together several shapes to make a picture and fill simple outline puzzles.	PK M2 Lesson 9: Shape Pictures 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 PK M6 Topic B: Project: Plan a Celebration