Prekindergarten | Nebraska's Birth to Five Learning and Development 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.

Number and Operations

M.01 Demonstrates awareness of quantity, counting, and numeric competencies

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Begins to subitize small quantities of up to 3 or 4 objects	PK M1 Lesson 7: Animal Count PK M1 Lesson 11: Match Game PK M3 Lesson 3: Decompose 3 PK M3 Lesson 4: Decompose 4
Counts verbally or signs to 20 by ones	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!

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Counts verbally or signs to 20 by ones *continued*	PK M6 Topic A: Project: Create a Business PK M6 Topic C: Project: Care for Our Space
Knows that written numbers are symbols for number quantities and, with support, begins to write numbers from 0 to 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 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

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Understands 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 Topic D: Count Out a Set of Up to 5 Objects 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 Topic G: Count Out a Set of Up to 10 Objects PK M2 Lesson 17: Let's Count and Record! PK M3 Topic B: Use Structure to Explore Numbers 6–10 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

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Begins to represent simple word problem data in pictures and drawings	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 M5 Lesson 3: 1 More, 1 Less PK M5 Lesson 5: Market Math PK M5 Topic B: Represent Addition Stories PK M5 Lesson 14: Sorting Apples PK M5 Topic D: Represent Subtraction Stories 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 and Spatial Sense

M.02 Develops understanding of geometric shapes and spatial relationships

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Uses accurate terms to name and describe some two-dimensional shapes (e.g., circle, square, triangle) and begins to use accurate terms to name and describe some three-dimensional shapes (e.g., sphere, cylinder, cube)	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

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Analyzes, compares, and sorts two- and three-dimensional shapes and objects in different sizes	PK M2 Topic B: Analyze and Name Two-Dimensional Shapes PK M2 Lesson 13: Shape Towers PK M2 Lesson 15: Roll, Slide, or Stack
Creates and builds shapes from components	PK M2 Topic C: Build and Compose Two-Dimensional Shapes 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

Patterns and Measurement

M.03 Demonstrates awareness of routines, predictable patterns, and attributes that can be measured

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Compares (e.g., which container holds more) and orders (e.g., shortest to longest) up to 5 objects according to measurable attributes	PK M4 Lesson 8: Compare by Using Numbers PK M4 Lesson 9: Straw Line Up PK M4 Lesson 15: Trains *Supplemental material is necessary to fully address this standard.*

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Uses comparative language (e.g., shortest, heaviest, biggest)	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
Uses strategies to determine measurable attributes	PK M4 Lesson 3: Explore Capacity 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
Recognizes/identifies patterns in the environment	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

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Completes (i.e., fill in missing part) or extends (i.e., continue) given repeating patterns	PK M3 Lesson 18: Pattern Units PK M3 Lesson 20: Find the Missing Piece 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
Completes or extends patterns without adult assistance	PK M1 Lesson 10: Written Numbers PK M1 Lesson 25: More Written Numbers PK M1 Lesson 27: 5-Groups PK M3 Lesson 12: 1 More PK M3 Lesson 13: Number Stairs 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 1: Bears on Stairs PK M5 Lesson 2: 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

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Begins to create and describe own 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
Begins to translate patterns through other representations (e.g., connects "tall/short" fence pattern to another AB pattern in the classroom)	PK M3 Lesson 20: Find the Missing Piece 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

Data Analysis

M.04 Develops foundational skills in learning to understand concepts of classification, data collection, organization, and description

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Engages in tasks that involve collecting information and creating a strategy to show the data (e.g., Adult asks group of children their favorite color, graphing responses—5 like orange, 3 like purple)	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

Nebraska's Birth to Five Learning and Development Standards	Aligned Components of *Eureka Math²*
Participates in group tasks that involve identifying which graph represents "more" or "less" or "the same"	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
Makes inferences from graphic examples (e.g., Most of us like red apples, no one likes green apples.)	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
Draws simple maps of the learning environment, neighborhood, or other relevant places	PK M2 Lesson 3: Build a Map *Supplemental material is necessary to fully address this standard.*