Prekindergarten | West Virginia Pre-K 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.

Mathematical Habits of Mind	Aligned Components of *Eureka Math²*
MHM1. Make sense of problems and persevere in solving them.	Lessons in every module engage students in mathematical habits of mind. These are indicated in margin notes included with every topic.
MHM2. Reason abstractly and quantitatively.	Lessons in every module engage students in mathematical habits of mind. These are indicated in margin notes included with every topic.
MHM3. Construct viable arguments and critique the reasoning of others.	Lessons in every module engage students in mathematical habits of mind. These are indicated in margin notes included with every topic.
MHM4. Model with mathematics.	Lessons in every module engage students in mathematical habits of mind. These are indicated in margin notes included with every topic.
MHM5. Use appropriate tools strategically.	Lessons in every module engage students in mathematical habits of mind. These are indicated in margin notes included with every topic.
MHM6. Attend to precision.	Lessons in every module engage students in mathematical habits of mind. These are indicated in margin notes included with every topic.
MHM7. Look for and make use of structure.	Lessons in every module engage students in mathematical habits of mind. These are indicated in margin notes included with every topic.
MHM8. Look for and express regularity in repeated reasoning.	Lessons in every module engage students in mathematical habits of mind. These are indicated in margin notes included with every topic.

Counting and Cardinality

Number Names

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.1 Count in sequence to 10 and beyond.	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 24: Let's Count and Record! PK M6 Topic A: Project: Create a Business PK M6 Topic C: Project: Care for Our Space

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.3 Begin to identify and write some numerals.	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

Counting and Cardinality

Counting to Tell the Number of Objects

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.4 Understand the relationship between numbers and quantities; connect counting to cardinality.	*This standard is fully addressed by the lessons aligned to its subsections.*
M.PK.4.a Use one-to-one correspondence to count objects and match groups to objects.	PK M1 Lesson 3: Crayon Group PK M1 Lesson 4: Crayon and Marker Sort PK M1 Lesson 5: Sorting Bags 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 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 M5 Lesson 24: 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

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.4.b Match quantity with number symbols; given a number up to 10, counts out that many 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 Topic D: Count Out a Set of Up to 5 Objects 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 Topic G: Count Out a Set of Up to 10 Objects 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 M6 Topic A: Project: Create a Business PK M6 Topic B: Project: Plan a Celebration
M.PK.4.c Recognize quantity without counting up to five objects.	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?

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.5 Count to answer, "how many?" questions up to 10 items.	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 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 B: Project: Plan a Celebration PK M6 Topic C: Project: Care for Our Space

Counting and Cardinality

Comparing and Ordering Numbers

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.6 Identify whether the number of objects in one group is more, less, greater than, fewer, and or equal to number of objects in another group for up to 5 objects (e.g., by 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
M.PK.7 Identify first and last related to order or position.	PK M5 Lesson 21: Create Patterns PK M6 Topic B: Project: Plan a Celebration

Operations and Algebraic Thinking

Composing and Decomposing Numbers

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.8 Recognize addition as putting objects together and subtraction as taking objects apart (e.g., if we have 3 apples and add 2 more, how many apples do 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

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.10 Identify parts in relationship to a whole.	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 Topic C: Compose and Decompose Numbers in More than One Way
M.PK.11 Duplicate, create, and extend simple patterns using concrete objects.	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

Measurement and Data

Describe and Compare Measurable Attributes

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.14 With prompting and support, identify measurable attributes of objects, such as length and/or weight.	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
M.PK.15 Represent and interpret data.	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 14: Sorting Apples 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.PK.15.a Estimate the size of objects in comparison to a common unit of measurement (e.g., more/less, long/short, big/little, light/heavy).	PK M4 Lesson 2: Puppet's Bed PK M4 Lesson 6: Compare Heights PK M4 Lesson 7: Compare Lengths PK M4 Lesson 9: Straw Line Up PK M4 Lesson 10: Heavy or Light PK M4 Lesson 11: Compare Weights PK M4 Lesson 12: Balance Scale PK M4 Lesson 14: More or Fewer PK M4 Lesson 15: Trains

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.15.b Recognize and interpret information/symbols presented in tables and graphs.	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 *Supplemental material is necessary to fully address this standard.*

Measurement and Data

Classify Objects and Count the Number of Objects in Each Category

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.16 Sort objects into categories according to common characteristics (e.g., color, size, shape) and count the number of objects.	PK M1 Topic A: Use Attributes to Match and Sort PK M1 Topic E: Sort to Decompose PK M1 Lesson 34: Culminating Activity PK M2 Lesson 6: Sort the Shapes PK M5 Lesson 13: Turtle Time PK M5 Lesson 14: Sorting Apples PK M6 Topic A: Project: Create a Business

Geometry

Identify and Describe Shapes

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.17 Describe objects in the environment.	*This standard is fully addressed by the lessons aligned to its subsections.*
M.PK.17.a Use the names of basic shapes.	PK M2 Topic B: Analyze and Name Two-Dimensional Shapes PK M2 Lesson 14: Puppet's Picture
M.PK.17.b Describe the relative positions of objects using terms (e.g., up, down, over, under, top, bottom, inside, outside, in front, behind).	PK M2 Topic A: Spatial Relations PK M2 Lesson 8: Shape Games
M.PK.18 Correctly name basic shapes regardless of their orientations or overall size.	PK M2 Topic B: Analyze and Name Two-Dimensional Shapes PK M2 Lesson 14: Puppet's Picture
M.PK.19 Sort two-and three-dimensional shapes and objects.	PK M1 Lesson 5: Sorting Bags PK M1 Lesson 34: Culminating Activity PK M2 Lesson 6: Sort the Shapes PK M2 Lesson 13: Shape Towers PK M2 Lesson 15: Roll, Slide, or Stack PK M6 Topic A: Project: Create a Business

Geometry

Analyze, Compare, Create and Compose Shapes

West Virginia Pre-K Standards	Aligned Components of *Eureka Math²*
M.PK.20 Analyze and compare two- and three-dimensional shapes and objects in different sizes. Describe their similarities, differences, and other 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 14: Puppet's Picture PK M2 Lesson 15: Roll, Slide, or Stack PK M2 Lesson 16: Pyramids!
M.PK.21 Create and build shapes from components (e.g., sticks and clay balls).	PK M2 Lesson 11: Build Shapes PK M2 Lesson 12: Build My Shape
M.PK.22 With prompting and support, compose simple shapes to form larger shapes. (e.g., "Can these two triangles, with full sides touching, join to make a rectangle?")	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