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## Prekindergarten | West Virginia Pre-K Standards (2017) Correlation to *Eureka Math*<sup>2</sup>® (2027)

*Eureka Math*<sup>2</sup> is a research-proven math curriculum that empowers teachers to center instructional techniques on student success. Teachers can foster more “aha!” learning moments by providing the support needed for all learners to build a more confident math mindset.

This *Eureka Math*<sup>2</sup> edition builds on a strong foundation of effective instruction. It provides teachers with guidance on delivering rigorous instruction that honors student choice and encourages confident problem-solving.

*Eureka Math*<sup>2</sup> carefully sequences mathematical content to maximize vertical alignment from kindergarten through high school. This kind of sequencing has proven to be essential in students’ mastery of math.

### Teachability

*Eureka Math*<sup>2</sup> 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 into the teacher materials.

### Accessibility

*Eureka Math*<sup>2</sup> incorporates Universal Design for Learning (UDL) principles so all learners can access the mathematics and take on challenging math concepts. UDL, Differentiation, and Multilingual Learner supports are built into the instructional design and are clearly identified in the *Teach* book.

The curriculum also carries a focus on readability. By eliminating unnecessary words and using clear sentences, the *Eureka Math*<sup>2</sup> 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.

### Math Confidence

*Eureka Math*<sup>2</sup> fosters a classroom culture of learning by encouraging student-led discourse and cognitive engagement that results in confident learners. By leveraging consistent models, routines, and progressions, teachers can remove barriers and allow all students an avenue to success. Within the digital platform, each grade includes wordless videos and digital interactives that spark students’ curiosity and help them make conceptual connections. Using the *Learn* books, students wonder, explore, and make sense of mathematics, which helps them develop a strong, positive mathematical identity.

**Mathematical Habits of Mind**

**Aligned Components of *Eureka Math*<sup>2</sup>**

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

## Counting and Cardinality

### Number Names

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.1</b> Count in sequence to 10 and beyond.</p>	<p>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 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 M3 Lesson 17: Let’s Count and Record!                      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</p>

**West Virginia Pre-K Standards**

**Aligned Components of *Eureka Math*<sup>2</sup>**

**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 <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.4</b></p> <p>Understand the relationship between numbers and quantities; connect counting to cardinality.</p>	<p><i>This standard is fully addressed by the lessons aligned to its subsections.</i></p>
<p><b>M.PK.4.a</b></p> <p>Use one-to-one correspondence to count objects and match groups to objects.</p>	<p>PK M1 Lesson 3: Crayon Group</p> <p>PK M1 Lesson 4: Crayon and Marker Sort</p> <p>PK M1 Lesson 5: Sorting Bags</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 15: Let’s Count!</p> <p>PK M1 Lesson 18: Forest Path Game</p> <p>PK M1 Lesson 30: Let’s Count and Record!</p> <p>PK M2 Lesson 17: Let’s Count and Record!</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 M5 Lesson 24: Let’s Count and Record!</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>

**West Virginia Pre-K Standards**

**Aligned Components of *Eureka Math*<sup>2</sup>**

**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 Lesson 16: Number Recipe
- PK M1 Lesson 17: Bean Bag Toss
- PK M1 Lesson 18: Forest Path Game
- PK M1 Lesson 19: Math Stories
- 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 33: Dinosaur World
- PK M1 Lesson 34: Culminating Activity
- 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

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.4.c</b></p> <p>Recognize quantity without counting up to five objects.</p>	<p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 11: Match Game</p> <p>PK M1 Lesson 29: Match Game</p> <p>PK M3 Lesson 7: Do You See 5?</p>
<p><b>M.PK.5</b></p> <p>Count to answer, “how many?” questions up to 10 items.</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> <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 M5 Lesson 24: Let’s Count and Record!</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>

**Counting and Cardinality**  
**Comparing and Ordering Numbers**

<b>West Virginia Pre-K Standards</b>	<b>Aligned Components of <i>Eureka Math</i><sup>2</sup></b>
<p><b>M.PK.6</b></p> <p>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).</p>	<p>PK M4 Lesson 14: More or Fewer</p> <p>PK M4 Lesson 15: Trains</p> <p>PK M4 Lesson 16: Are There Enough?</p> <p>PK M4 Lesson 17: Let’s Count and Compare!</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> <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><b>M.PK.7</b></p> <p>Identify first and last related to order or position.</p>	<p>PK M5 Lesson 21: Create Patterns</p> <p>PK M6 Topic B: Project: Plan a Celebration</p>

## Operations and Algebraic Thinking

### Composing and Decomposing Numbers

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.8</b></p> <p>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?).</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 6: Dinosaur Splash</p> <p>PK M5 Lesson 7: Draw Math Stories: Addition</p> <p>PK M5 Lesson 8: Math Tools</p> <p>PK M5 Lesson 9: Mental Movies: Addition</p> <p>PK M5 Lesson 10: Train Stories: Additions</p> <p>PK M5 Lesson 15: Under the Sea</p> <p>PK M5 Lesson 16: Show and Hide Fingers</p> <p>PK M5 Lesson 17: Draw Math Stories: Subtraction</p> <p>PK M5 Lesson 18: Represent Puffins at the Sea</p> <p>PK M5 Lesson 19: Mental Movies: Subtraction</p> <p>PK M5 Lesson 20: Train Stories: Subtraction</p> <p>PK M6 Topic C: Project: Care for Our Space</p>

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.10</b> Identify parts in relationship to a whole.</p>	<p>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 12: Match Game: Make 4                      PK M5 Lesson 13: Turtle Time                      PK M5 Lesson 14: Sorting Apples</p>
<p><b>M.PK.11</b> Duplicate, create, and extend simple patterns using concrete objects.</p>	<p>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</p>

## Measurement and Data

### Describe and Compare Measurable Attributes

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.14</b></p> <p>With prompting and support, identify measurable attributes of objects, such as length and/or weight.</p>	<p>PK M4 Lesson 1: Big or Small</p> <p>PK M4 Lesson 2: Puppet’s Bed</p> <p>PK M4 Lesson 3: Explore Capacity</p> <p>PK M4 Lesson 4: How Much Juice?</p> <p>PK M4 Lesson 5: Tall or Short</p> <p>PK M4 Lesson 6: Compare Heights</p> <p>PK M4 Lesson 7: Compare Lengths</p> <p>PK M4 Lesson 8: Compare by Using Numbers</p> <p>PK M4 Lesson 9: Straw Line Up</p> <p>PK M4 Lesson 10: Heavy or Light</p> <p>PK M4 Lesson 11: Compare Weights</p> <p>PK M4 Lesson 12: Balance Scale</p> <p>PK M4 Lesson 13: Collect Data and Compares</p> <p>PK M4 Lesson 21: How Many Scoops?</p> <p>PK M4 Lesson 22: Compare Attributes</p> <p>PK M6 Topic C: Project: Care for Our Space</p>

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.15</b></p> <p>Represent and interpret data.</p>	<p>PK M4 Lesson 4: How Much Juice?</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 M5 Lesson 14: Sorting Apples</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><b>M.PK.15.a</b></p> <p>Estimate the size of objects in comparison to a common unit of measurement (e.g., more/less, long/short, big/little, light/heavy).</p>	<p>PK M4 Lesson 2: Puppet’s Bed</p> <p>PK M4 Lesson 6: Compare Heights</p> <p>PK M4 Lesson 7: Compare Lengths</p> <p>PK M4 Lesson 9: Straw Line Up</p> <p>PK M4 Lesson 10: Heavy or Light</p> <p>PK M4 Lesson 11: Compare Weights</p> <p>PK M4 Lesson 12: Balance Scale</p> <p>PK M4 Lesson 14: More or Fewer</p> <p>PK M4 Lesson 15: Trains</p>
<p><b>M.PK.15.b</b></p> <p>Recognize and interpret information/symbols presented in tables and graphs.</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><i>Supplemental material is necessary to fully address this standard.</i></p>

## Measurement and Data

### Classify Objects and Count the Number of Objects in Each Category

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.16</b></p> <p>Sort objects into categories according to common characteristics (e.g., color, size, shape) and count the number of objects.</p>	<p>PK M1 Lesson 1: Make a Match</p> <p>PK M1 Lesson 2: Same and Different</p> <p>PK M1 Lesson 3: Crayon Group</p> <p>PK M1 Lesson 4: Crayon and Marker Sort</p> <p>PK M1 Lesson 5: Sorting Bags</p> <p>PK M1 Lesson 20: Character Sort</p> <p>PK M1 Lesson 21: How Many Ways?</p> <p>PK M1 Lesson 22: Animal Sort</p> <p>PK M1 Lesson 23: Story Cards</p> <p>PK M1 Lesson 24: Mystery Eggs</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M2 Lesson 6: Sort the Shapes</p> <p>PK M5 Lesson 13: Turtle Time</p> <p>PK M5 Lesson 14: Sorting Apples</p> <p>PK M6 Topic A: Project: Create a Business</p>

## Geometry

### Identify and Describe Shapes

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.17</b> Describe objects in the environment.</p>	<p><i>This standard is fully addressed by the lessons aligned to its subsections.</i></p>
<p><b>M.PK.17.a</b> Use the names of basic shapes.</p>	<p>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 8: Shape Games                      PK M2 Lesson 14: Puppet’s Picture</p>
<p><b>M.PK.17.b</b> Describe the relative positions of objects using terms (e.g., up, down, over, under, top, bottom, inside, outside, in front, behind).</p>	<p>PK M2 Lesson 1: Where Is Rosie?                      PK M2 Lesson 2: Use the Clues                      PK M2 Lesson 3: Build a Map                      PK M2 Lesson 8: Shape Games</p>
<p><b>M.PK.18</b> Correctly name basic shapes regardless of their orientations or overall size.</p>	<p>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 8: Shape Games                      PK M2 Lesson 14: Puppet’s Picture</p>

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.19</b></p> <p>Sort two- and three-dimensional shapes and objects.</p>	<p>PK M1 Lesson 5: Sorting Bags</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M2 Lesson 6: Sort the Shapes</p> <p>PK M2 Lesson 13: Shape Towers</p> <p>PK M2 Lesson 15: Roll, Slide, or Stack</p> <p>PK M6 Topic A: Project: Create a Business</p>

## Geometry

### Analyze, Compare, Create and Compose Shapes

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.20</b></p> <p>Analyze and compare two- and three-dimensional shapes and objects in different sizes. Describe their similarities, differences, and other attributes.</p>	<p>PK M2 Lesson 4: Shapes in Art</p> <p>PK M2 Lesson 5: Circles</p> <p>PK M2 Lesson 6: Sort the Shapes</p> <p>PK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles</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>PK M2 Lesson 16: Pyramids!</p>
<p><b>M.PK.21</b></p> <p>Create and build shapes from components (e.g., sticks and clay balls).</p>	<p>PK M2 Lesson 11: Build Shapes</p> <p>PK M2 Lesson 12: Build My Shape</p>

West Virginia Pre-K Standards	Aligned Components of <i>Eureka Math</i> <sup>2</sup>
<p><b>M.PK.22</b></p> <p>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?”).</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> <p>PK M6 Topic B: Project: Plan a Celebration</p>