Grade K | Wyoming Mathematics Content and Performance Standards (2023 Emended 2025) Correlation to *Eureka Math²® (2027)*

Eureka Math² 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 Math²* 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 Math² 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 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 into the teacher materials.

Accessibility

Eureka Math² 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 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.

Math Confidence

Eureka Math² 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.

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

Know number names and the count sequence.

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.CC.1A Count to 100 by ones and by tens.	K M1 Lesson 4: Classify objects into three categories and count. K M1 Lesson 6: Organize, count, and represent a collection of objects. K M1 Lesson 12: Write numerals 4 and 5 to answer *how many* questions. K M1 Lesson 19: Organize, count, and represent a collection of objects. K M1 Lesson 26: Write numeral 8. K M1 Lesson 28: Order numerals 1–10 and reason about an unknown number in the number sequence. K M1 Lesson 33: Organize, count, and represent a collection of objects. K M6 Lesson 2: Find 10 ones in a teen number. K M6 Lesson 5: Reason about a number's position in the number sequence. K M6 Lesson 14: Count by tens. K M6 Lesson 15: Count by tens by using math tools. K M6 Lesson 16: Use the structure of ten to count to 100. K M6 Lesson 17: Use patterns in the number sequence to count by ones within 100. K M6 Lesson 18: Count within and across decades when counting by ones, part 1. K M6 Lesson 19: Count within and across decades when counting by ones, part 2.
K.CC.1B Count backwards by ones from 20.	K M1 Lesson 31: Model the pattern of 1 less in the backward count sequence. K M1 Lesson 32: Build number stairs to show the pattern of 1 less in the backward count sequence. *Supplemental material is necessary to address counting backwards by ones from 20 to 10.*

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.CC.3 Write numbers from 0 to 20. Represent a number of objects with a written numeral 0–20 (with 0 representing a count of no objects).	K M1 Lesson 5: Classify objects into three categories, count, and match to a numeral. K M1 Lesson 7: Practice counting accurately. K M1 Lesson 11: Write numerals 1–3 to answer *how many* questions. K M1 Lesson 12: Write numerals 4 and 5 to answer *how many* questions. K M1 Lesson 14: Understand the meaning of zero and write the numeral. K M1 Lesson 21: Count sets in circular configurations and match to a numeral. K M1 Lesson 22: Count sets in scattered configurations and match to a numeral. K M1 Lesson 25: Write numerals 6 and 7. K M1 Lesson 26: Write numeral 8. K M1 Lesson 27: Write numerals 9 and 10. K M6 Lesson 3: Write numerals 11–20. K M6 Lesson 17: Use patterns in the number sequence to count by ones within 100.

Counting and Cardinality

Count to tell the number of objects.

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.CC.4 Understand the relationship between numbers and quantities; connect counting to cardinality.	*This standard is fully addressed by the lessons aligned to its subsections.*
K.CC.4A Use one-to-one correspondence when counting objects.	K M1 Lesson 6: Organize, count, and represent a collection of objects. K M1 Lesson 7: Practice counting accurately. K M1 Lesson 13: Count out enough objects and write the numeral. K M1 Lesson 19: Organize, count, and represent a collection of objects. K M1 Lesson 33: Organize, count, and represent a collection of objects.
K.CC.4B Understand that the last number name said, tells the number of objects counted regardless of their arrangement.	K M1 Lesson 6: Organize, count, and represent a collection of objects. K M1 Lesson 7: Practice counting accurately. K M1 Lesson 9: Conserve number regardless of the arrangement of objects. K M1 Lesson 13: Count out enough objects and write the numeral. K M1 Lesson 19: Organize, count, and represent a collection of objects. K M1 Lesson 20: Count objects in 5-group and array configurations and match to a numeral. K M1 Lesson 23: Conserve number regardless of the order in which objects are counted. K M1 Lesson 33: Organize, count, and represent a collection of objects.

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.CC.4C Understand that each successive number name refers to a quantity that is one more, and each previous number name refers to a quantity that is one less.	K M1 Lesson 29: Model the pattern of 1 more in the forward count sequence. K M1 Lesson 30: Build number stairs to show the pattern of 1 more in the forward count sequence. K M1 Lesson 31: Model the pattern of 1 less in the backward count sequence. K M1 Lesson 32: Build number stairs to show the pattern of 1 less in the backward count sequence. K M6 Lesson 4: Order numerals 0–20.

Operations and Algebraic Thinking

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

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.OA.2 Solve word problems using objects and drawings to find sums up to 10 and differences within 10.	K M4 Lesson 11: Model *put together with total unknown* story problems. K M4 Lesson 12: Draw to represent *put together with total unknown* story problems. K M4 Lesson 13: Choose a math tool to solve *put together with total unknown* story problems. K M4 Lesson 14: Model *take apart with both addends unknown* situations. K M4 Lesson 15: Choose a math tool to solve *take apart with both addends unknown* situations. K M4 Lesson 16: Compose and decompose numbers and shapes. K M5 Lesson 3: Represent and solve *add to with result unknown* story problems. K M5 Lesson 10: Represent and solve *take from with result unknown* story problems. K M5 Lesson 12: Relate parts to total in subtraction situations. K M5 Lesson 15: Identify the action in a problem to represent and solve it. K M5 Lesson 16: Relate addition and subtraction through word problems. K M5 Lesson 17: Reason about different units to solve story problems. K M6 Lesson 8: Represent teen number compositions and decompositions as addition sentences.

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.OA.2 ***continued***	K M6 Lesson 9: Represent teen number decompositions as subtraction sentences. K M6 Lesson 10: Make sense of word problems involving teen numbers. K M6 Lesson 11: Represent teen number decompositions as 10 ones and some ones and find a hidden part.
K.OA.3 Decompose numbers less than or equal to 10 in more than one way.	K M4 Lesson 6: Decompose a number in more than one way and record. K M4 Lesson 7: Find partners to 5. K M4 Lesson 8: Find partners to 10. K M4 Lesson 18: Use the structure of 5 and 10 to build a rekenrek. K M5 Lesson 4: Represent decomposition situations by using number bonds and addition sentences.
K.OA.4 For any number from 1 to 9, find the number that makes 10 when added to the given number.	K M5 Lesson 20: Find the number that makes 10 and record with a number sentence. K M5 Lesson 26: Reason about numbers to add and subtract.
K.OA.5 Fluently add and subtract within 5.	K M5 Lesson 7: Find the total in an addition sentence. K M5 Lesson 14: Find the difference in a subtraction sentence.

Measurement and Data

Classify objects and count the number of objects in each category.

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.	K M1 Lesson 1: Compare objects based on their attributes. K M1 Lesson 2: Classify objects into two categories. K M1 Lesson 3: Classify objects into two categories and count. K M1 Lesson 4: Classify objects into three categories and count. K M1 Lesson 5: Classify objects into three categories, count, and match to a numeral. K M1 Lesson 15: Sort the same group of objects in more than one way and count. K M1 Lesson 16: Decompose a set shown in a picture. K M3 Lesson 15: Classify flat shapes into groups and compare the number of shapes in each group.

Geometry

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.G.2 Correctly name shapes regardless of their orientations or overall size.	K M2 Lesson 2: Classify shapes as triangles or nontriangles. K M2 Lesson 3: Classify shapes as circles, hexagons, or neither. K M2 Lesson 4: Classify shapes as rectangles or nonrectangles, with square rectangles as a special case. K M2 Lesson 7: Name solid shapes and discuss their attributes. K M2 Lesson 11: Construct and classify polygons. K M2 Lesson 14: Compose flat shapes.

Geometry

Analyze, compare, create, and compose shapes.

Wyoming Mathematics Content and Performance Standards	Aligned Components of *Eureka Math²*
K.G.4 Analyze and compare two- and three-dimensional shapes, using informal language to describe their similarities, differences, and attributes.	K M2 Lesson 1: Find and describe attributes of flat shapes. K M2 Lesson 2: Classify shapes as triangles or nontriangles. K M2 Lesson 3: Classify shapes as circles, hexagons, or neither. K M2 Lesson 4: Classify shapes as rectangles or nonrectangles, with square rectangles as a special case. K M2 Lesson 8: Classify solid shapes based on the ways they can be moved. K M2 Lesson 9: Match solid shapes to their two-dimensional faces. K M2 Lesson 10: Construct a circle. K M2 Lesson 12: Construct solid shapes by using a square base. K M2 Lesson 13: Draw flat shapes. K M2 Lesson 15: Compose solid shapes to create a structure that can fit a toy inside.
K.G.6 Use simple shapes to compose squares, rectangles, and hexagons.	K M4 Lesson 1: Compose flat shapes and count the parts. K M4 Lesson 2: Decompose flat shapes and count the parts. K M4 Lesson 9: Compose shapes in more than one way. K M5 Lesson 25: Extend growing patterns.