Prekindergarten | Maryland College and Career Ready Standards (2025) Correlation to *Eureka Math² Maryland*

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 kindergarten 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 each lesson. 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.

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Standards for Mathematical Practice	Aligned Components of *Eureka Math² Maryland*
MP.1 Make sense of problems and persevere in solving them.	PK M1 Lesson 34: Culminating Activity PK M2 Lesson 10: Shape Puzzles PK M3 Lesson 17: Let's Count and Record! PK M4 Lesson 20: Explore Area (Optional) PK M5 Lesson 17: Draw Math Stories: Subtraction PK M6 Project A: Create a Business PK M6 Project B: Plan a Celebration PK M6 Project C: Care for Our Space
MP.2 Reason abstractly and quantitatively.	PK M1 Lesson 33: Dinosaur World PK M2 Lesson 4: Shapes in Art PK M3 Lesson 5: Decompose 5 PK M4 Lesson 15: Trains PK M5 Lesson 20: Train Stories: Subtraction PK M6 Project A: Create a Business PK M6 Project B: Plan a Celebration PK M6 Project C: Care for Our Space

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Standards for Mathematical Practice	Aligned Components of *Eureka Math² Maryland*
MP.3 Construct viable arguments and critique the reasoning of others.	PK M1 Lesson 9: How Many? PK M1 Lesson 16: Number Recipe PK M2 Lesson 5: Circles PK M2 Lesson 9: Shape Pictures PK M3 Lesson 10: Decompose 8 and 9 (Optional) PK M4 Lesson 2: Puppet's Bed PK M5 Lesson 14: Sorting Apples PK M6 Project B: Plan a Celebration
MP.4 Model with mathematics.	PK M1 Lesson 11: Match Game PK M1 Lesson 29: Match Game PK M2 Lesson 3: Build a Map PK M3 Lesson 22: Red Light, Green Light! PK M4 Lesson 13: Collect Data and Compare PK M4 Lesson 18: How Many Crayons? PK M5 Lesson 8: Math Tools PK M6 Project C: Care for Our Space
MP.5 Use appropriate tools strategically.	PK M1 Lesson 2: Same and Different PK M2 Lesson 14: Puppet's Picture PK M3 Lesson 8: Make Your Own Rekenrek! PK M4 Lesson 16: Are There Enough? PK M5 Lesson 18: Represent Puffins at the Sea PK M6 Project A: Create a Business PK M6 Project B: Plan a Celebration PK M6 Project C: Care for Our Space

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Standards for Mathematical Practice	Aligned Components of *Eureka Math² Maryland*
MP.6 Attend to precision.	PK M1 Lesson 28: Counting with Puppet PK M2 Lesson 2: Use the Clues PK M3 Lesson 12: 1 More PK M4 Lesson 7: Compare Lengths PK M5 Lesson 23: Patterns Everywhere PK M6 Project B: Plan a Celebration
MP.7 Look for and make use of structure.	PK M1 Lesson 4: Crayon and Marker Sort PK M2 Lesson 6: Sort the Shapes PK M2 Lesson 15: Roll, Slide, or Stack PK M3 Lesson 3: Decompose 3 PK M3 Lesson 9: Decompose 6 and 7 (Optional) PK M3 Lesson 14: Number Detective PK M3 Lesson 18: Pattern Units PK M4 Lesson 17: Let's Count and Compare! PK M5 Lesson 3: 1 More, 1 Less PK M5 Lesson 13: Turtle Time PK M5 Lesson 21: Create Patterns PK M6 Project B: Plan a Celebration PK M6 Project C: Care for Our Space

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Standards for Mathematical Practice	Aligned Components of *Eureka Math² Maryland*
MP.8 Look for and express regularity in repeated reasoning.	PK M1 Lesson 14: Rice Scoops PK M1 Lesson 22: Animal Sort PK M2 Lesson 15: Roll, Slide, or Stack PK M3 Lesson 14: Number Detective PK M3 Lesson 18: Pattern Units PK M4 Lesson 6: Compare Heights PK M5 Lesson 3: 1 More, 1 Less PK M5 Lesson 21: Create Patterns PK M6 Project B: Plan a Celebration

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Number and Operation Sense

PK.NOS.A Know number names and the count sequence.

Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.A.1 Count 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! (Optional) 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 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 Project A: Create a Business PK M6 Project C: Care for Our Space

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Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.A.2 Count backward from 10 by ones.	PK M5 Lesson 1: Bears on Stairs PK M5 Lesson 2: 1 Less PK M5 Lesson 3: 1 More, 1 Less *Supplemental material is necessary to address counting backward from 10.*
PK.NOS.A.3 Identify which number comes just after or just before a given number in the counting sequence to 10.	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! (Optional) 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!

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Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.A.3 ***continued***	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 Project A: Create a Business PK M6 Project C: Care for Our Space
PK.NOS.A.4 Identify written numerals 0–10.	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 M6 Project A: Create a Business PK M6 Project B: Plan a Celebration

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Number and Operation Sense

PK.NOS.B Count to tell the number of objects.

Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.B.5 Use the relationship between numbers and quantities within 10 to count objects with one-to-one correspondence and verbalizing the last number stated is the total when asked "How many...?" (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 M3 Lesson 17: Let's Count and Record! PK M6 Project A: Create a Business PK M6 Project B: Plan a Celebration PK M6 Project C: Care for Our Space

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Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.B.6 When counting objects within 10, recognize 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 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! (Optional) 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 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 Project A: Create a Business PK M6 Project C: Care for Our Space

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Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.B.7 Represent a number within 10 by producing a set of objects with concrete materials, drawing pictures, and/or writing numerals. Correctly respond when asked "How many" after counting concrete objects.	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 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 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 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 M2 Lesson 17: Let's Count and Record! (Optional) PK M3 Lesson 7: Do You See 5? PK M3 Lesson 8: Make Your Own Rekenrek! PK M3 Lesson 9: Decompose 6 and 7 (Optional) PK M3 Lesson 10: Decompose 8 and 9 (Optional) PK M3 Lesson 11: Decompose 10 (Optional) PK M3 Lesson 13: Number Stairs

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Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.B.7 ***continued***	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 Project A: Create a Business PK M6 Project B: Plan a Celebration
PK.NOS.B.8 Recognize the number of objects in a set without counting (subitizing) with both unfamiliar patterns within 3 and familiar patterns within 5.	PK M1 Lesson 7: Animal Count PK M1 Lesson 11: Match Game PK M1 Lesson 29: Match Game PK M3 Lesson 3: Decompose 3 PK M3 Lesson 4: Decompose 4 PK M3 Lesson 5: Decompose 5 PK M3 Lesson 7: Do You See 5?

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Number and Operation Sense

PK.NOS.C Compare quantities.

Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.C.9 Compare two groups of objects within 10. Identify whether the number of objects in one group is more than, equal to, or less than the number of objects in another group by using one-to-one correspondence, matching, and counting.	PK M4 Lesson 14: More or Fewer PK M4 Lesson 15: Trains PK M4 Lesson 16: Are There Enough? PK M4 Lesson 17: Let's Count and Compare! PK M4 Lesson 18: How Many Crayons? PK M4 Lesson 19: Compare Groups PK M4 Lesson 20: Explore Area (Optional) PK M4 Lesson 21: How Many Scoops? (Optional) PK M6 Project A: Create a Business PK M6 Project B: Plan a Celebration PK M6 Project C: Care for Our Space

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Number and Operation Sense

PK.NOS.D Decompose numbers.

Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.NOS.D.10 Decompose numbers less than or equal to 5 in more than one way by using objects, fingers, drawings and/or verbal explanations.	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 (Optional) PK M3 Lesson 9: Decompose 6 and 7 (Optional) PK M3 Lesson 10: Decompose 8 and 9 (Optional) PK M3 Lesson 11: Decompose 10 (Optional) 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

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Algebraic Thinking

PK.AT.A Understand addition as putting together and adding to and understand subtraction as taking apart and taking from.

Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.AT.A.1 Represent addition and subtraction situations (presented verbally, without the use of numerals or mathematical symbols) within quantities of 5 with objects, fingers, drawings, sounds (e.g., claps), acting out situations, and/or verbal explanations.	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 5: Market Math PK M5 Lesson 6: Dinosaur Splash PK M5 Lesson 7: Draw Math Stories: Addition PK M5 Lesson 8: Math Tools PK M5 Lesson 9: Mental Movies: Addition PK M5 Lesson 10: Train Stories: Addition PK M5 Lesson 15: Under the Sea PK M5 Lesson 16: Show and Hide Fingers PK M5 Lesson 17: Draw Math Stories: Subtraction PK M5 Lesson 18: Represent Puffins at the Sea PK M5 Lesson 19: Mental Movies: Subtraction PK M5 Lesson 20: Train Stories: Subtraction PK M6 Project C: Care for Our Space

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Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.AT.A.2 Given a quantity within 5, identify the quantity that must be added to equal 5 using objects, fingers, drawings and/or verbal explanations.	PK M1 Lesson 19: Math Stories PK M1 Lesson 20: Character Sort PK M1 Lesson 21: How Many Ways? PK M1 Lesson 23: Story Cards PK M1 Lesson 24: Mystery Eggs PK M3 Lesson 5: Decompose 5 PK M3 Lesson 6: 5-Piece Puzzles (Optional) *Supplemental material is necessary to fully address using objects and drawings.*

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Algebraic Thinking

PK.AT.B Understand repeating patterns.

Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.AT.B.3 Identify and extend a repeating pattern (ABAB, AABB, or ABCABC) using concrete objects, shapes, sounds, or movements.	PK M3 Lesson 18: Pattern Units PK M3 Lesson 19: Number Cha-Cha 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 Project B: Plan a Celebration

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Geometric Reasoning and Measurement

PK.GR.A Describe and compare measurable attributes.

Maryland College & Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.GR.A.1 Describe a measurable attribute of an object, such as length, height, weight, and capacity using appropriate vocabulary (e.g., long, short, tall, heavy, light, wide, narrow).	PK M4 Lesson 1: Big or Small PK M4 Lesson 2: Puppet's Bed PK M4 Lesson 3: Explore Capacity PK M4 Lesson 4: How Much Juice? PK M4 Lesson 5: Tall or Short PK M4 Lesson 6: Compare Heights PK M4 Lesson 7: Compare Lengths PK M4 Lesson 8: Compare by Using Numbers PK M4 Lesson 9: Straw Line Up (Optional) PK M4 Lesson 10: Heavy or Light PK M4 Lesson 11: Compare Weights PK M4 Lesson 12: Balance Scale PK M4 Lesson 13: Collect Data and Compare PK M4 Lesson 21: How Many Scoops? (Optional) PK M4 Lesson 22: Compare Attributes PK M6 Project C: Care for Our Space

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Maryland College & Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.GR.A.2 Directly compare two objects with a measurable attribute in common, using words such as "more/less," "longer/shorter," "lighter/heavier," or "taller/shorter."	PK M4 Lesson 3: Explore Capacity PK M4 Lesson 4: How Much Juice? PK M4 Lesson 5: Tall or Short PK M4 Lesson 6: Compare Heights PK M4 Lesson 7: Compare Lengths PK M4 Lesson 8: Compare by Using Numbers PK M4 Lesson 9: Straw Line Up (Optional) PK M4 Lesson 10: Heavy or Light PK M4 Lesson 11: Compare Weights PK M4 Lesson 12: Balance Scale PK M4 Lesson 13: Collect Data and Compare PK M4 Lesson 15: Trains PK M4 Lesson 21: How Many Scoops? (Optional) PK M4 Lesson 22: Compare Attributes PK M6 Project C: Care for Our Space

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Geometric Reasoning and Measurement

PK.GR.B Work with two-dimensional and three-dimensional shapes.

Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.GR.B.3 Sort two-dimensional shapes (circles, triangles, and rectangles-including a square which is a special rectangle) by like attributes and distinguish between examples and non-examples.	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 12: Build My Shape
PK.GR.B.4 Match and name two-dimensional shapes (circles, triangles, and rectangles- including a square which is a special rectangle) 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 9: Shape Pictures PK M2 Lesson 10: Shape Puzzles PK M2 Lesson 11: Build Shapes
PK.GR.B.5 Match and sort three-dimensional shapes (cubes, spheres, and cylinders) by like attributes and distinguish between examples and non-examples.	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!

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Reasoning with Data and Statistics

PK.DS.A Sort objects into categories to represent data.

Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.DS.A.1 Organize data sets by sorting objects into categories.	PK M1 Lesson 1: Make a Match PK M1 Lesson 2: Same and Different PK M1 Lesson 3: Crayon Group PK M1 Lesson 4: Crayon and Marker Sort PK M1 Lesson 5: Sorting Bags PK M1 Lesson 20: Character Sort PK M1 Lesson 21: How Many Ways? PK M1 Lesson 22: Animal Sort PK M1 Lesson 23: Story Cards PK M1 Lesson 24: Mystery Eggs PK M1 Lesson 34: Culminating Activity PK M4 Lesson 19: Compare Groups PK M5 Lesson 14: Sorting Apples PK M6 Project A: Create a Business

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Maryland College and Career Ready Standards	Aligned Components of *Eureka Math² Maryland*
PK.DS.A.2 Analyze data sets by comparing the categories using words such as more than, less than, and equal to/same (Limit the total in any one category to maximum of 10).	PK M4 Lesson 14: More or Fewer PK M4 Lesson 15: Trains PK M4 Lesson 16: Are There Enough? PK M4 Lesson 17: Let's Count and Compare! PK M4 Lesson 18: How Many Crayons? PK M4 Lesson 19: Compare Groups PK M4 Lesson 20: Explore Area (Optional) PK M4 Lesson 21: How Many Scoops? (Optional) PK M6 Project A: Create a Business PK M6 Project B: Plan a Celebration PK M6 Project C: Care for Our Space

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