Transitional Kindergarten | California Transitional Kindergarten Learning Foundations (2023) Correlation to *Eureka Math²® California (2026)*

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
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

California Transitional Kindergarten Learning Foundations	Aligned Components
1.1 Recite numbers in order from one to thirty with no more than a few errors. Count forward from a number other than one.	TK M1 Lesson 3: Crayon Group TK M1 Lesson 5: Sorting Bags TK M1 Lesson 6: Matching Markers TK M1 Lesson 8: Let's Count! TK M1 Lesson 10: Written Numbers TK M1 Lesson 15: Let's Count! TK M1 Lesson 18: Forest Path Game TK M1 Lesson 25: More Written Numbers TK M1 Lesson 26: Count on the Rekenrek TK M1 Lesson 27: 5-Groups TK M1 Lesson 30: Let's Count and Record! TK M2 Lesson 17: Let's Count and Record! TK M3 Lesson 14: Number Detective TK M3 Lesson 15: Count on the Rekenrek TK M3 Lesson 16: Counting with Puppet TK M3 Lesson 17: Let's Count and Record! TK M5 Lesson 1: Bears on Stairs TK M5 Lesson 9: Mental Movies: Addition TK M5 Lesson 11: Break Apart 5 TK M5 Lesson 24: Let's Count and Record! TK M6 Project A TK M6 Project C *This standard is fully addressed by Fluency Anytime activities suggested for each module.*

California Transitional Kindergarten Learning Foundations	Aligned Components
1.2 Count ten objects or more using one-to-one correspondence (one object for each number word).	TK M1 Lesson 5: Sorting Bags TK M1 Lesson 7: Animal Count TK M1 Lesson 8: Let's Count! TK M1 Lesson 9: How Many? TK M1 Lesson 15: Let's Count! TK M1 Lesson 18: Forest Path Game TK M1 Lesson 28: Counting with Puppet TK M1 Lesson 30: Let's Count and Record! TK M1 Lesson 33: Dinosaur World TK M2 Lesson 17: Let's Count and Record! TK M6 Project A TK M6 Project B TK M6 Project C
1.3 Consistently demonstrate understanding when counting that the number name of the last object counted represents the total number of objects in the group.	TK M1 Lesson 8: Let's Count! TK M1 Lesson 9: How Many? TK M1 Lesson 14: Rice Scoops TK M1 Lesson 15: Let's Count! TK M1 Lesson 18: Forest Path Game TK M1 Lesson 19: Math Stories TK M1 Lesson 23: Mystery Eggs TK M1 Lesson 29: Match Game TK M1 Lesson 30: Let's Count and Record! TK M1 Lesson 31: Match or No Match?

California Transitional Kindergarten Learning Foundations	Aligned Components
1.3 ***continued***	TK M1 Lesson 32: Make it Match TK M1 Lesson 33: Dinosaur World TK M1 Lesson 34: Culminating Activity TK M2 Lesson 17: Let's Count and Record! TK M3 Lesson 1: How Many Parts? TK M3 Lesson 2: Bunny Puzzles TK M3 Lesson 6: 5-Piece Puzzles TK M3 Lesson 8: Make Your Own Rekenrek! TK M3 Lesson 11: Decompose 10 TK M3 Lesson 17: Let's Count and Record! TK M5 Lesson 6: Dinosaur Splash TK M5 Lesson 15: Under the Sea TK M6 Project A TK M6 Project C
1.4 Identify without counting the number of objects in a collection of one to five objects.	TK M1 Lesson 7: Animal Count TK M1 Lesson 11: Match Game TK M1 Lesson 21: How Many Ways? TK M1 Lesson 29: Match Game TK M3 Lesson 7: Do You See 5? TK M3 Lesson 11: Decompose 10 TK M6 Project A

California Transitional Kindergarten Learning Foundations	Aligned Components
1.5 Recognize and name all written numerals through 10.	TK M1 Lesson 10: Written Numbers TK M1 Lesson 11: Match Game TK M1 Lesson 12: Count the Math Way TK M1 Lesson 13: Rosetta Stone TK M1 Lesson 14: Rice Scoops TK M1 Lesson 16: Number Recipe TK M1 Lesson 17: Bean Bag Toss TK M1 Lesson 22: Animal Sort TK M1 Lesson 25: More Written Numbers TK M1 Lesson 29: Match Game TK M1 Lesson 31: Match or No Match? TK M1 Lesson 32: Make it Match TK M1 Lesson 34: Culminating Activity TK M6 Project A
1.6 Compare two groups of objects by counting and communicating, “more,” “same,” “less,” or “fewer.”	TK M4 Lesson 14: More or Fewer TK M4 Lesson 15: Trains TK M4 Lesson 16: Are There Enough? TK M4 Lesson 17: Let’s Count and Compare! TK M4 Lesson 19: Compare Groups TK M4 Lesson 20: Explore Area TK M6 Project B

Operations and Algebraic Thinking

California Transitional Kindergarten Learning Foundations	Aligned Components
2.1 Demonstrate understanding that adding one or taking away one object changes the number in a small group of objects by exactly one.	TK M3 Lesson 12: 1 More TK M3 Lesson 13: Number Stairs TK M5 Lesson 1: Bears on Stairs TK M5 Lesson 2: 1 Less TK M5 Lesson 3: 1 More, 1 Less TK M5 Lesson 4: 1 More, 1 Less the Math Way TK M5 Lesson 5: Market Math TK M5 Lesson 9: Mental Movies: Addition TK M5 Lesson 19: Mental Movies: Subtraction TK M6 Project C
2.2 Decompose a set of objects into two small sets in more than one way (for example, decompose 5 into sets of 3 and 2, or 1 and 4). Combine two small sets to create a larger set (for example, 3 and 2 to make a set of 5).	TK M3 Lesson 3: Decompose 3 TK M3 Lesson 4: Decompose 4 TK M3 Lesson 5: Decompose 5 TK M3 Lesson 6: 5-Piece Puzzles TK M3 Lesson 9: Decompose 6 and 7 TK M3 Lesson 10: Decompose 8 and 9 TK M3 Lesson 11: Decompose 10 TK M5 Lesson 11: Break Apart 5 TK M5 Lesson 12: Match Game: Make 4 TK M5 Lesson 13: Turtle Time TK M6 Project C

California Transitional Kindergarten Learning Foundations	Aligned Components
2.3 Solve addition and subtraction problems with a larger number of objects (sums up to 10) in the context of everyday situations.	TK M5 Lesson 5: Market Math TK M5 Lesson 6: Dinosaur Splash TK M5 Lesson 7: Draw Math Stories: Addition TK M5 Lesson 8: Math Tools TK M5 Lesson 10: Train Stories: Addition TK M5 Lesson 15: Under the Sea TK M5 Lesson 16: Show and Hide Fingers TK M5 Lesson 17: Draw Math Stories: Subtraction TK M5 Lesson 18: Represent Puffins at the Sea TK M5 Lesson 20: Train Stories: Subtraction TK M6 Project C
2.4 Share a slightly larger number of objects equally between two or more recipients (for example, nine objects among three recipients).	TK M4 Lesson 16: Are There Enough? TK M6 Project B *This standard is fully addressed by Math Anytime activities suggested for each module.*

California Transitional Kindergarten Learning Foundations	Aligned Components
2.5 Sort and classify objects by one or more attributes into two or more groups with accuracy and flexibility. When sorting by two attributes, a child may first sort by one attribute and then by the second attribute.	TK M1 Lesson 1: Make a Match TK M1 Lesson 2: Same and Different TK M1 Lesson 3: Crayon Group TK M1 Lesson 4: Crayon and Marker Sort TK M1 Lesson 5: Sorting Bags TK M1 Lesson 20: Creature Sort TK M1 Lesson 21: How Many Ways? TK M1 Lesson 22: Animal Sort TK M1 Lesson 23: Story Cards TK M1 Lesson 23: Mystery Eggs TK M1 Lesson 34: Culminating Activity TK M6 Project A
2.6 Explore, extend, and duplicate a variety of repeating patterns (for example, AABBAABB, ABCABC) with adult support. Describe the repeating part of a pattern (pattern unit).	TK M3 Lesson 18: Pattern Units TK M3 Lesson 19: Number Cha-Cha TK M3 Lesson 20: Find the Missing Piece TK M3 Lesson 21: A Story in Strings TK M3 Lesson 22: Red Light, Green Light! TK M5 Lesson 21: Create Patterns TK M5 Lesson 22: Music and Movement TK M5 Lesson 23: Patterns Everywhere TK M6 Project B

California Transitional Kindergarten Learning Foundations	Aligned Components
2.7 Create a variety of repeating patterns (for example, AABBAABB, ABCABC) or recreate existing patterns using different objects.	TK M3 Lesson 18: Pattern Units TK M3 Lesson 21: A Story in Strings TK M3 Lesson 22: Red Light, Green Light! TK M5 Lesson 21: Create Patterns TK M5 Lesson 22: Music and Movement TK M5 Lesson 23: Patterns Everywhere TK M6 Project B

Measurement and Data

California Transitional Kindergarten Learning Foundations	Aligned Components
3.1 Compare two objects by length, weight, or capacity (for example, putting objects side by side) and communicate about their comparison.	TK M4 Lesson 1: Big or Small TK M4 Lesson 2: Puppet's Bed TK M4 Lesson 3: Explore Capacity TK M4 Lesson 4: How Much Juice? TK M4 Lesson 5: Tall or Short TK M4 Lesson 6: Compare Heights TK M4 Lesson 7: Compare Lengths TK M4 Lesson 8: Compare by Using Numbers TK M4 Lesson 10: Heavy or Light TK M4 Lesson 11: Compare Weights TK M4 Lesson 12: Balance Scale TK M4 Lesson 21: How Many Scoops? TK M4 Lesson 22: Compare Attributes TK M6 Project A

California Transitional Kindergarten Learning Foundations	Aligned Components
3.2 Order a slightly larger number of objects (for example, four or five) by length or other attributes (for example, height, capacity).	TK M4 Lesson 9: Straw Line Up TK M4 Lesson 21: How Many Scoops? TK M6 Project A
3.3 Measure length using concrete objects laid end to end, sometimes needing adult support. Note: Children may not yet understand that units need to be of equal length.	TK M6 Project B TK M6 Project C *This standard is fully addressed by Math Anytime activities suggested for each module.*
3.4 Use objects, tally marks, or pictographs to represent data in two or more groups. Demonstrate understanding that each object, tally mark, or picture represents one data point.	TK M4 Lesson 13: Collect Data and Compare TK M5 Lesson 14: Sorting Apples TK M6 Project A TK M6 Project B TK M6 Project C
3.5 Describe and compare, with adult support, the number of data points in two or more groups. Determine which group has more or less.	TK M4 Lesson 13: Collect Data and Compare TK M4 Lesson 18: How Many Crayons? TK M5 Lesson 14: Sorting Apples TK M6 Project A TK M6 Project B TK M6 Project C

Geometry and Spatial Thinking

California Transitional Kindergarten Learning Foundations	Aligned Components
4.1 Identify, describe, and construct different shapes including variations of circle, square, triangle, rectangle, and other shapes. Use informal language to describe defining properties of a shape (for example, sides, corners, round).	TK M2 Lesson 4: Shapes in Art TK M2 Lesson 5: Circles TK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles TK M2 Lesson 8: Shape Games TK M2 Lesson 9: Shape Pictures TK M2 Lesson 10: Shape Puzzles TK M2 Lesson 11: Build Shapes TK M2 Lesson 12: Build My Shapes TK M2 Lesson 14: Puppet's Picture TK M6 Project B
4.2 Identify a few familiar three-dimensional shapes such as sphere, cube, and cylinder. Note: Sometimes still use informal names (for example, ball, square box, tube).	TK M2 Lesson 13: Shape Towers TK M2 Lesson 14: Puppet's Picture TK M2 Lesson 15: Roll, Slide, or Stack TK M6 Project A TK M6 Project B
4.3 Compare two-dimensional shapes of different sizes and orientations to determine whether they are the same shape. Identify similarities and differences in the properties (number of sides or vertices) of two different shapes.	TK M2 Lesson 4: Shapes in Art TK M2 Lesson 5: Circles TK M2 Lesson 6: Sort the Shapes TK M2 Lesson 7: Triangles, Rectangles, and Square Rectangles TK M2 Lesson 9: Shape Pictures TK M6 Project B

California Transitional Kindergarten Learning Foundations	Aligned Components
4.4 Combine different two- or three-dimensional shapes to create a picture or design (for example, make a house with two blocks shaped like rectangular prisms and one shaped like a triangular prism).	TK M2 Lesson 9: Shape Pictures TK M2 Lesson 10: Shape Puzzles TK M2 Lesson 13: Shape Towers TK M2 Lesson 16: Pyramids! TK M3 Lesson 1: How Many Parts? TK M3 Lesson 2: Bunny Puzzles TK M3 Lesson 4: Decompose 4 TK M6 Project B
4.5 Identify positions of objects and people in space including in/on, under/over, up/ down, inside/outside, near/far, next to, beside/between, and in front of/behind.	TK M2 Lesson 1: Where is Rosie? TK M2 Lesson 2: Use the Clues TK M2 Lesson 3: Build a Map TK M2 Lesson 8: Shape Games TK M2 Lesson 16: Pyramids! TK M6 Project A
4.6 Rotate, flip, or slide objects to solve a problem without relying as much on physical trial and error (for example, rotate an object before fitting it into a hole).	TK M2 Lesson 10: Shape Puzzles TK M2 Lesson 13: Shape Towers TK M2 Lesson 15: Roll, Slide, or Stack TK M6 Project B