Welcome to *California Reveal Math® TK*!

Reveal the Brilliance of Our Youngest Learners

California Reveal Math TK Powered by Building Blocks® invites students to embark on an exciting journey to discover the wonder, joy, and beauty of math. Rooted in play-based, developmentally appropriate learning, the curriculum nurtures curiosity and confidence in young learners, aligning with California's vision for Transitional Kindergarten and the California Preschool/Transitional Kindergarten Learning Foundations (PTKLF).

Through hands-on experiences, *California Reveal Math TK* empowers teachers to:

- Cultivate a rich mathematical environment that inspires exploration.
- Encourage meaningful math discussions and collaborative learning.
- Engage students with activities that build foundational and critical-thinking skills.

California Reveal MATH®
Transitional Kindergarten
Powered by Building Blocks

Scan the QR code or visit **mhecalifornia.com/reveal** to learn more about *California Reveal Math*®.

Program Overview

Transitional Kindergarten

California Reveal MATH®
Transitional Kindergarten
Powered by Building Blocks

V3.1052235

Grounded in Research, Built for Growth!

The instructional design of *California Reveal Math® TK* is built on the foundation of the *Building Blocks®* math curriculum and grounded in evidence-based practices to support early math learning, so teachers can:

- Create a mathematically rich environment.
- Foster frequent opportunities for meaningful math discussions.
- Engage students with hands-on, open-ended activities that build critical math skills.

Clear and Purposeful Lesson Structure

Each lesson follows a four-step process designed to support young learners' development and foster curiosity.

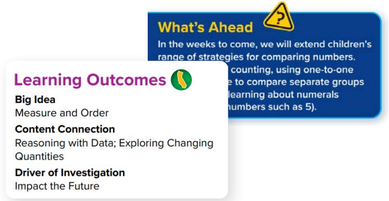
1. **Whole Group:** Students engage in a warm-up activity to introduce concepts and connect to prior knowledge.
2. **Work Time:** Students rotate through interactive centers, including Technology, Hands-On Math, and Small Group, to explore and practice skills.
3. **Reflect:** Students share and discuss their ideas, reinforcing key concepts and developing communication skills.
4. **Assess:** Daily informal assessments track progress and inform instruction to address individual student needs.

Created by Visionaries in Early Learning

Developed by Drs. Doug Clements and Julie Sarama, recognized experts in early math education, *California Reveal Math TK* lessons are designed and sequenced based on their groundbreaking research on learning trajectories, mapping how children develop mathematical skills.

The Power of the Big Ideas

Each week's instruction is designed to help students connect to the **Big Ideas**, with support for teachers to link current learning to prior and future knowledge. This ensures a coherent progression of skills and builds a strong foundation in math.



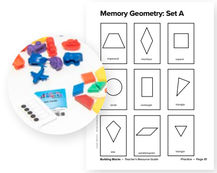
Bring Math to Life

Empower young learners to build foundational math skills through hands-on activities, interactive stories, and digital explorations that spark curiosity and connect math to the real world.

Open-Ended Practice

Activities use manipulatives and minimal text to explore symmetry, shapes, number sense, pattern recognition, and early algebraic thinking:

- Counting and Dot Cards
- Pattern Block Puzzles
- Hands-On Games

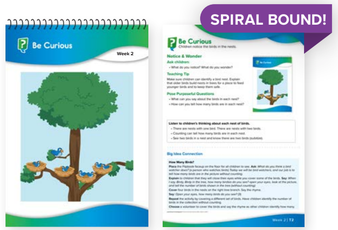


Literature Connections

Big Books (available in English and Spanish) engage students with stories that introduce math terms in meaningful contexts. Each story drives early numeracy, real-world connections, and relatable class discussions.

Sense-Making Routines: Be Curious

Each week begins with a **Be Curious Sense-Making Routine and Big Idea Connection activities** that spark curiosity, critical thinking, and connections to prior knowledge. These open-ended explorations engage students in meaningful discussions, build foundational skills, and support Kindergarten readiness.



Digital Practice Activities

Skill-based **digital activities and manipulatives** complement structured practice with exploratory play and adapt to individual learning paths. Personalized learning, instant feedback, and progress tracking allow for growth at every level.

Develop the Language of Math

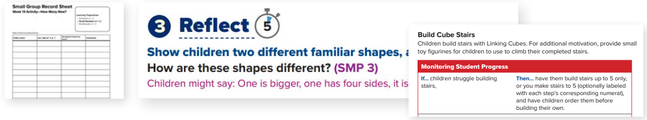
Each lesson includes strategies to support all students in developing the language of math, with added support for multilingual learners:

- **Multilingual Learner scaffolds** support language development and math comprehension.
- **Vocabulary supports** build essential math terms through contextual learning.
- **Math Mindset prompts** help students apply the weekly math mindset skill in their interactions.

Purposeful Assessments

Assessments are seamlessly integrated into whole group, small group, and individual activities to monitor progress and inform instruction. Assessment tools include:

- **Progress Monitoring sheets** to track ongoing student activity and growth.
- **Reflect activities** that build metacognitive skills and strengthen mathematical habits.
- **If... Then... prompts** with actionable recommendations to adjust strategies.



Family Support

Weekly Family Letters, available in English and Spanish, offer fun, hands-on math activities and lesson previews designed to help families support their child's math development and reinforce learning at home.