

Fuel Young Imaginations for Limitless TK Math Exploration

Big Ideas Start with Curiosity

California Reveal Math® for Transitional Kindergarten (TK) is thoughtfully crafted to support imaginative, hands-on learning. Authentic activities abound to spark children's curiosity and fuel the early development of mathematical concepts. The program fastens California Common Core State Standards to the California Preschool Learning Foundations to create the bridge needed to guide TK students into a successful Kindergarten experience.

A Strong Foundation Powered by *Building Blocks*®

California Reveal Math for TK is built on the foundation of the *Building Blocks* math program, a project funded by the National Science Foundation to create mathematics curriculum materials for young children.

Within *California Reveal Math* TK, teachers will find:

- Daily hands-on learning with manipulatives that allow children to make use of concrete representations and share and connect their thinking.
- Equitable daily plans for whole-group, small-group, and center activities.
- Guidance for facilitating active student participation and meaningful interactions to develop mathematical thinking.
- Digital interactives that provide additional practice.
- Intentional activities and mathematical investigations that develop conceptual thinking and reasoning abilities.



Be Curious sense-making activities spark curiosity.

Authored by Renowned Pioneers in Early Learning

Dr. Douglas Clements and Dr. Julie Sarama pioneered the development of the *Building Blocks*[®] math program and the embedded learning trajectories that allow teachers to build children’s mathematical knowledge along natural developmental pathways to help them move through stages of understanding.

Promote Growth with Learning Trajectories

Curriculum research has revealed sequences of activities that are effective in guiding children through levels of mathematical thinking. These developmental paths are the basis for the learning trajectories in *California Reveal Math*[®] TK powered by *Building Blocks*.

Learning trajectories have three parts: a mathematical goal, a developmental path through which children develop to reach that goal, and a set of activities matched to each of those levels that help children develop the next level.

Dr. Douglas Clements

A Kennedy Endowed Chair in Early Childhood Learning and professor at the University of Denver, Dr. Clements is widely regarded as “the major scholar” in the field of early childhood mathematics education, with equal relevance to the academy, the classroom, and the educational policy arena. At the national level, his contributions have led to the development of new mathematics curricula, teaching approaches, teacher training initiatives, and models of “scaling up” interventions.



Dr. Julie Sarama

A Kennedy Endowed Chair in Innovative Learning Technologies and professor at the University of Denver, Dr. Sarama conducts research on young children’s development of mathematical concepts and competencies, the implementation and scale-up of educational reform, professional development models and their influence on student learning, and the implementation and effects of software environments in mathematics classrooms. These studies have been published in more than 50 refereed articles, four books, 30 chapters, and 60 additional publications.



Learn more about *California Reveal Math* TK–12 at mhecalifornia.com