



# Play, Talk, Explore: Math Learning Starts in TK

Imagine IM California brings problem-based instruction to every grade. The TK curriculum extends the Imagine IM learning journey by nurturing curiosity and early mathematical thinking while aligning to California's 2023 Mathematics Framework and preparing students for success in grades K–2.

## What makes Imagine IM California TK unique?

### Joyful, Whole-Child Learning

- Children learn by doing: moving, building, talking, and exploring.
- Teachers support social, emotional, cognitive, and physical growth.

### Play-Based and Problem-Based

- Play sparks curiosity and playful discovery of math ideas.
- Guided exploration builds the foundation for future problem-based instruction.

### Organized Around Eight Math Ideas

- Each unit connects math to real-world themes and community life.
- Students see themselves and their world in every lesson.

### Fluency and Insight

- Daily Number Play builds fluency through math talk and movement.
- Teachers observe learning and respond to each child's needs.

### Overarching Design Structure



### Structure of a TK Lesson



# A Year of Playful, Purposeful Learning

Across the school year, students explore eight math Ideas through connected community themes. Each three-day lesson sequence blends math, literacy, art, and science, nurturing curiosity and confidence while preparing students for Kindergarten and beyond.

Math Idea	Focus	Community Theme	Sample Learning Experience
1: Numbers, Shapes, and Data	Counting, exploring shapes and data	My School Community and Me	Establish classroom community and explore numbers all around us.
2: Attributes and Patterns	Comparing, sorting, creating patterns	Community Through Music	Discover and create repeating patterns through rhythm and sound.
3: Counting and Operations	Parts and wholes, addition and subtraction	Places in Our Community	Explore how adding and taking away change groups of objects.
4: Work with Shapes and Objects	Spatial reasoning, composing shapes	Art in Our Community	Create art using shapes and describe positions in space.
5: More Attributes and Patterns	Measurement, complex patterns	Nature in Our Community	Investigate patterns and measurement in the natural world.
6: More Work with Shapes and Objects	3-D shapes, ordering, sharing objects	Construction in Our Community	Build and test model bridges in a STEAM Challenge.
7: More Counting and Operations	Numbers to 10, composing and decomposing numbers	Shops in Our Community	Use counting and operations to solve real-life problems.
8: More Numbers, Shapes, and Data	Integrating all Big Ideas	Celebrating Our Community	Apply learning through games and projects that bring the year together.

Total Instructional Days: 144 | Flexible Days Included to Complete a 180-Day Year



To find out more about the benefits of implementing Imagine IM California, go to [imaginelearning.com/imagine-im-ca](https://imaginelearning.com/imagine-im-ca) or scan the QR code.