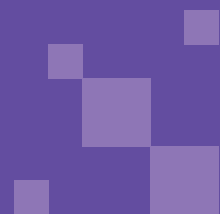
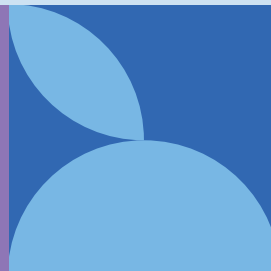




# California ClearMath Grades TK-5

Play together. Think together. Learn together.



# Created for California

- ✓ Grounded in California Common Core State Standards
- ✓ Rooted in Big Ideas and Drivers of Investigation
- ✓ Integrates the Standards for Mathematical Practice (SMPs)
- ✓ Equity and multilingual learning (MLL) supports embedded, not bolted on
- ✓ Framework-aligned centers for real-world issues like social justice and the environment
- ✓ MATHia Adventure game-based fluency practice
- ✓ Robust assessment and data tools for as, for, and of learning

# Powered by Play

California ClearMath integrates meaningful play with rich mathematical exploration while fully aligning with the California Mathematics Framework.

Through relevant, hands-on explorations, games, and investigations, children develop deep mathematical understanding and discover connections to the world around them. By tapping into how children naturally engage with the world, California ClearMath nurtures curiosity, creativity, and high-level mathematical thinking.



## What is California ClearMath?

Reimagine your math classroom as a space where meaningful play fuels curiosity and joyful learning. California ClearMath is a comprehensive core solution built for the California Mathematics Framework that taps into students' natural drive to explore, reason, and collaborate.

Students develop deep understanding and math confidence through hands-on lessons, purposeful routines, centers, collaborative discussions, and game-based learning with MATHia® Adventure. Along the way, they build productive habits of mind and a persistent approach to problem solving that helps them focus on the journey, not just the solution.

With embedded language supports, implementation notes, and ongoing assessment tools, California ClearMath empowers teachers to support every learner. The solution also includes a dedicated Transitional Kindergarten experience, where playmat-based explorations and hands-on manipulatives invite young learners to play, think, and discover math from the very start. It's a daily student-centered approach that balances conceptual understanding, procedural fluency, and the joy of discovery.

# The Power of the Pause

Our instructional approach

**California ClearMath** is designed around a cadence that supports both new learning and thoughtful reflection. Two powerful lesson types—**Concept Lessons** and **Re-Engagement Lessons**—work together to help students build, revisit, and strengthen their understanding.

5 Modules

2–3 Topics

Lessons

1 Lesson  $\approx$  60 minutes

(1 TK Lesson = 30 minutes)

## Concept Lessons: Discovering the Big Ideas

Concept Lessons focus on hands-on learning and discovery. Students explore new math ideas through games, models, and discussions that support sense-making and productive struggle.

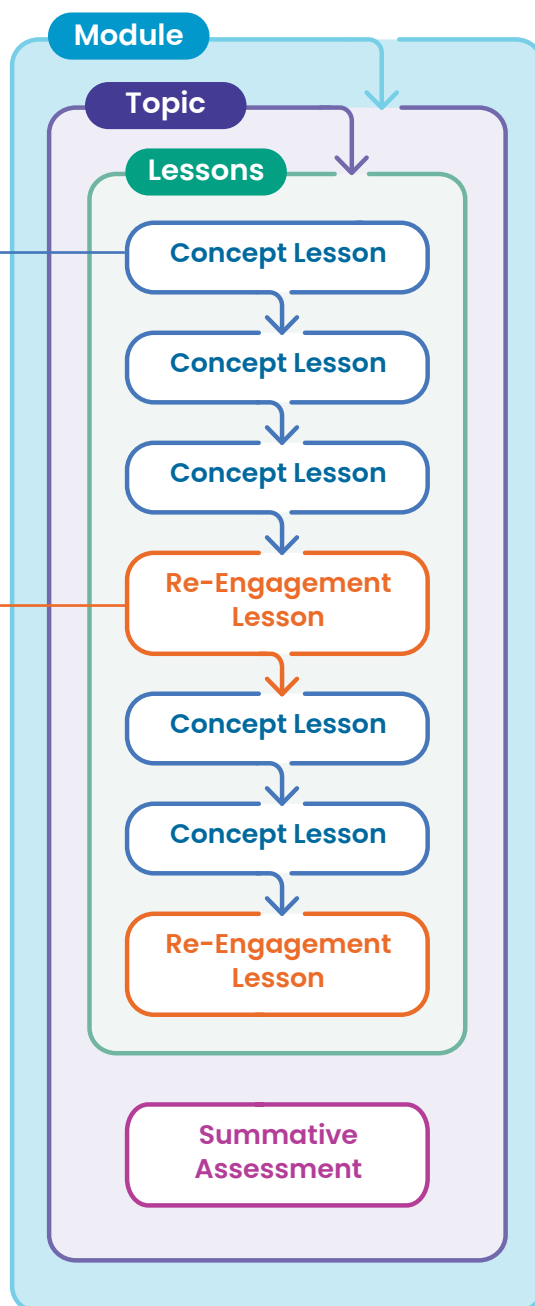
## Re-Engagement Lessons: Reflecting and Strengthening

Re-Engagement Lessons follow every two-to-four Concept Lessons. These intentional pauses give students space to reflect, revisit misconceptions, and solidify ideas so no one falls behind.

This “teach-teach-pause” rhythm builds knowledge, confidence, and long-term retention. It also provides real-time insight into student learning so teachers can respond with support that sticks.

Every lesson includes:

- **Daily Math Routines** that spark thinking beyond the math block
- **Activate and Reflect moments** to prompt curiosity and capture understanding
- **Built-in formative assessments** that help teachers adjust instruction on the spot



# Keeping Up is Better than Catching Up

## Teach-Teach-Pause

In California ClearMath, a pause is not a break—it's a **strategic moment of impact**. Re-Engagement Lessons are built into the curriculum to support just-in-time learning, not after-the-fact intervention.

These lessons center on **Explore Centers**—targeted, differentiated experiences based on real-time classroom data. Teachers group students based on need and guide them through meaningful activities that clarify, solidify, or stretch their learning.

### Explore Centers

There are 5 **Explore Centers** for each **Re-Engagement Lesson**. You can assign students to work in one or more of the **Explore Centers** based on current understanding—their zone of proximal development.

#### Clarify Center

Provides students with a teacher-facilitated, hands-on activity to address any unfinished learning they demonstrated in previous concept lessons

#### Solidify Center

Provides students an opportunity to reinforce the key mathematical ideas of the concept lessons

#### Stretch Center

Provides students an opportunity to extend the work of the concept lessons

#### Practice



**MATHia® Adventure** provides students with the opportunity to engage in digital game play

#### Review

A **Spaced Review** activity provides students with a review of previously learned skills and concepts

This built-in support helps every student move forward confidently, closing opportunity gaps before they widen and keeping the classroom community moving forward together.



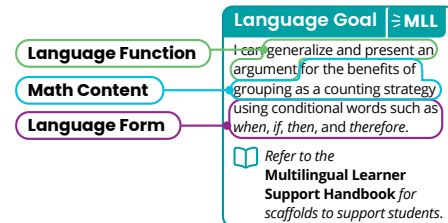
# Access for All

California ClearMath is designed to support every student, especially those too often left behind. That means embedded language supports, intentional scaffolds, and multiple pathways to engage with and demonstrate learning.

## Support for Multilingual Learners (MLLs)

Every lesson includes **Language Goals** and **Math Language Routines** to help MLLs engage in meaningful discourse. The **Multilingual Language Learner Support Handbook** provides teachers with sentence frames, tiered vocabulary, and strategies for using visual and physical models to build comprehension.

Each goal has three parts.



## Universal Design for Learning

California ClearMath reflects UDL principles with **multiple means of representation, engagement, and expression**.

### Differentiation Strategy

#### Assistance for All

#### Action and Expression: Interaction

Vary the amount of time needed based on the size of the array. Give enough time with the first few cards for students to be able to count the dots so all students feel immediate success. Then, reduce the time so they need to begin relying on subitizing. Encourage students to use hand symbols.



I'm still thinking.



I have more than one strategy.



I have an answer and a strategy.



I agree.

## Cultural Relevance and Representation

Math tasks connect to students' lives and communities, encouraging personal connections, collaborative problem solving, and multiple solution paths.

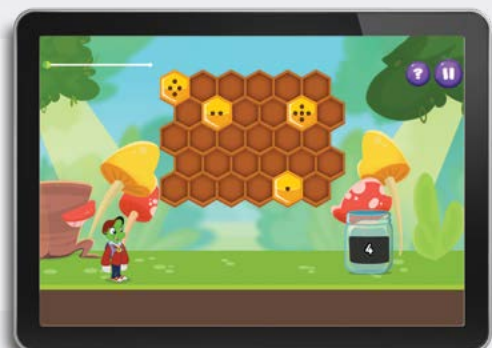


## Cultivate Connections

Describing a high five provides an opportunity for students to discuss other greetings they are familiar with. Discuss other types of greetings students may use, such as a handshake or saying hello. Students may even discuss greetings they know in multiple languages.

## Predictable Routines, Flexible Entry Points

Consistent structure supports cognitive load, while re-engagement centers and game-based learning offer varied ways to access and deepen understanding.



# A Program That Sees Every Student and Supports Every Teacher

California ClearMath helps teachers address diverse learning needs without sacrificing depth or pace. Embedded supports allow all students to participate in rich, grade-level learning.



## What Students Experience

- Visuals, manipulatives, and real-world contexts
- Explicit language routines that promote discourse
- Opportunities to choose problems that match readiness
- Reflections and growth tracking

## How Teachers Are Supported

- Step-by-step notes on language scaffolds and discourse moves
- Guidance for facilitating small-group Explore Centers
- Differentiation suggestions embedded in every lesson
- Tools for formative data use and next-step planning

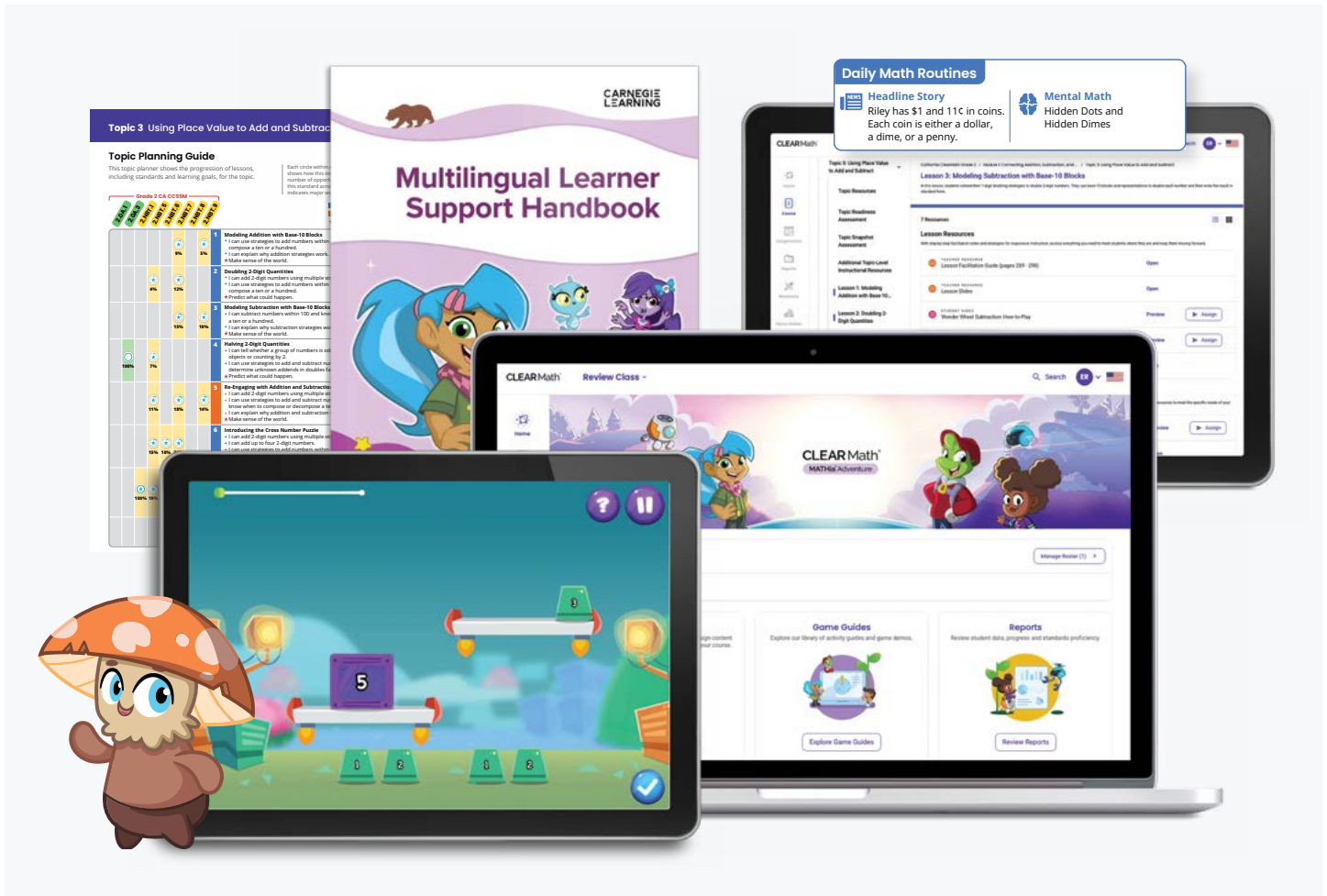
**Explore Centers**—a hallmark of California ClearMath—help teachers respond to student needs in real-time. Whether clarifying misconceptions or stretching thinking, these centers ensure no student is left behind. Turn to page 9 to see how to ensure your students get what they need from each re-engagement day.



# Tools Tailored to Golden State Teachers

California ClearMath provides powerful, ready-to-use tools that bring the California Mathematics Framework to life while freeing up your *time* for what matters most.

Tools that work as hard as California Teachers do.



Your Teacher Toolkit Includes:

- ✓ **Lesson Overviews** that spell out key ideas and where to pause, reflect, and extend
- ✓ **Pacing Guidance** tied directly to the California Mathematics Framework
- ✓ **Language Support** strategies embedded in every lesson
- ✓ **Instructional Strategies** that guide facilitation and support every learner
- ✓ **Centers and Games** that promote collaboration and discourse
- ✓ **Ongoing Assessments**—both formative and summative—to guide next steps
- ✓ **Support for Executive Functioning** like working memory, focus, and self-monitoring
- ✓ **Professional Learning and Planning Tools** through the Clear Learning Center

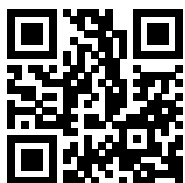


# Tools That Honor Your Knowledge of Your Students

Because you're the expert in your classroom, your curriculum should feel like a partner, not a script. That's why California ClearMath is designed with flexibility and clarity in mind. Whether you're navigating a combo class, supporting multilingual learners, or building students' confidence in math, our program gives you:

- Clear routines and structure without rigidity
- Daily prompts for discourse and reasoning
- Game-based learning that engages and extends
- Built-in notes for differentiation and small-group support
- Tools for equity, accessibility, and language development

## From Math Fears to Math Cheers



Watch how Edison Elementary transformed second-graders into math enthusiasts from their teacher, principal, and the students who won't stop talking about it.

[discover.carnegielearning.com/edison-testimonial](https://discover.carnegielearning.com/edison-testimonial) ▶



# Assessment That Drives Learning, Not Just Measures It

California ClearMath weaves assessment into every phase of instruction, so teachers can teach responsively and students grow with confidence.



## Assessment Types Aligned to the California Mathematics Framework

### Assessment OF Learning

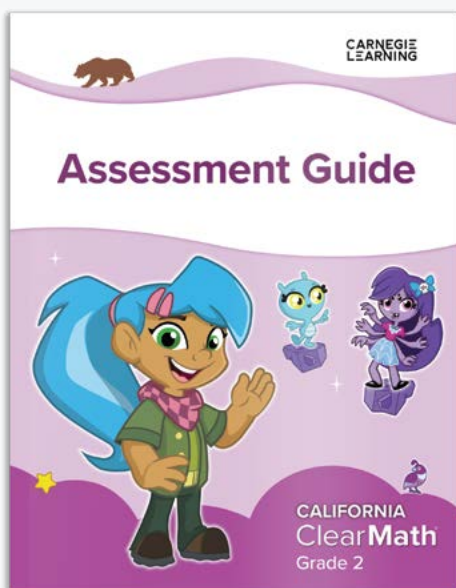
Course-Level Assessments  
 End-of-Module Assessment  
 End-of-Topic Assessment  
 Snapshot Assessment  
 Performance Task

### Assessment FOR Learning

ReadyCheck Assessments  
 Purposeful Questions  
 Ongoing Assessments embedded in the teacher facilitation notes  
 Planning to Re-Engage Tools  
 Progress and Standards Reports  
 MATHia Adventure Insights

### Assessment AS Learning

Reflect and Summarize  
 My Just Right Problem  
 I Can Statements  
 MATHia Adventure Data



## The Assessment Guide

### Your Go-To for Responsive, Equitable Practice.

Available in the Clear Learning Center, the Assessment Guide supports confident, data-informed instruction every step of the way. It's designed to:

- Clarify the purpose of each assessment type
- Offer guidance and examples for how and when to use assessments
- Support responsive teaching and equitable grading practices
- Align with the California Mathematics Framework's emphasis on formative, inclusive, and meaningful assessment

# Smart Pauses Make All the Difference

Because knowing when to pause is powerful.

California ClearMath’s built-in Re-Engagement Lessons ensure no student is left behind—or left out. These moments are data-driven and designed with care to help teachers confidently guide students forward.

From classroom observations to meaningful next steps.

Preparing to Re-Engage Recording Sheet

A	B	C	D	E	F	G
Last Name	First Name	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Total
Alvarez	Mateo	2	1	2	2	7
Chen	Lina	1	1	1	1	4
Davis	Ava	2	0	1	1	4
El-Sayed	Omar	2	1	1	2	6
Garcia	Sophia	1	1	0	2	4
Johnson	Noah	1	2	2	1	6
Kapoor	Maya	2	2	2	2	8
Kim	Lucas	0	0	1	1	2
Martinez	Isabella	2	0	0	1	3
Okafor	Ethan	1	1	1	1	4
Thompson	Grace	1	2	2	1	6
Williams	Daniel	0	1	1	0	2

After every two-to-four Concept Lessons, teachers use Reflect activities and the Preparing to Re-Engage Recording Sheet to gather quick, actionable insights. These help group students based on need, not labels, and allow teachers to clarify misconceptions, reinforce key concepts, and stretch beyond grade-level content.

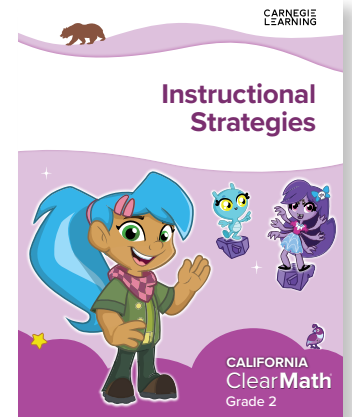
# Stop Searching, Start Teaching with the Clear Learning Center

The Clear Learning Center is your digital home base for California ClearMath. It puts powerful tools at your fingertips—so you spend less time searching and more time teaching.

## Plan

Everything you need to launch meaningful instruction is just a few clicks away.

- Search the Clear Learning Center by keyword, standard, or activity
- Pacing and planning tools aligned to the California Mathematics Framework
- Editable Daily Lesson Slides that are customizable and classroom-ready
- Guidance for planning with language supports and executive functioning strategies



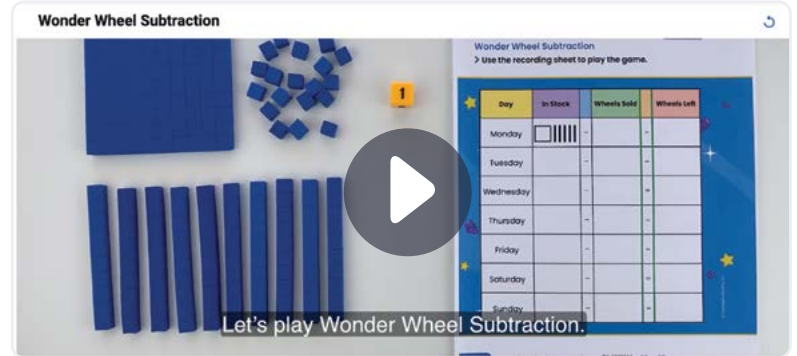
Only available on the Clear Learning Center

Practical strategies and planning tools that help teachers bring every lesson to life confidently and equitably.

## Engage

Bring math to life with resources that make student thinking visible.

- Student-facing materials, including digital versions of games, centers, and workbooks
- Built-in **language goals and routines**
- Topic-level centers that connect to equity, the environment, and civic engagement
- **How to Play Videos** that provides instructions for the games



## Assess

Assessment in California ClearMath is continuous, connected, and purposeful. The CLC helps you:

- Access rubrics and look-fors during and after lessons
- Assign **Interactive Assessments** with Technology Enhanced Items
- Track **student reflections** and growth over time

**Performance Task**

**Scoring**

Rubric: 7 Total Points

Evidence Statement	Criteria	0 Points	1 Point	2 Points	3 Points
I can understand that 3 digits of a 3-digit number represent amounts of hundreds, tens, and ones.	Matches numbers in standard form and base-10 representation	Numbers in standard form match the base-10 representation, with more than 3 mistakes	Numbers in standard form match the base-10 representation, with 2-3 mistakes	Numbers in standard form match the base-10 representation, with 1 mistake	All numbers in standard form match the base-10 representation
I can use strategies to add numbers within 1,000 and know when to compose a ten or a hundred.	Uses an efficient strategy to determine the correct sum	Does not use an efficient strategy or determine the correct sum	Uses an efficient strategy with a computational error or determines the correct sum using an inefficient strategy	Determines the correct sum using an efficient strategy	N/A
I can use strategies to subtract numbers within 1,000 and know when to decompose a ten or a hundred.	Uses an efficient strategy to determine the correct difference	Does not use an efficient strategy or determine the correct difference	Uses an efficient strategy with a computational error or determines the correct difference using an inefficient strategy	Determines the correct difference using an efficient strategy	N/A

## Use Data to Drive Decisions

ClearMath puts teachers—not platforms—in the driver's seat.

- Use **Preparing to Re-Engage Recording Sheets** to group students for Centers
- Analyze real-time **Assessment Data and MATHia® Adventure reports** to spot learning needs
- Turn classroom observations into targeted re-engagement strategies
- Support equity with data that reflects growth, not gaps

## PROGRAM COMPONENTS

# Teacher Resources

Everything you need to plan, teach, differentiate, and grow—all in one place.

California ClearMath was built for real teachers in real classrooms. That's why every component—whether print or digital—is designed to save you time, support equity, and help you bring math to life. From planning tools and ready-to-teach slides to re-engagement resources and assessment guides, California ClearMath gives you the structure, flexibility, and support to focus on what matters most: your students.

### Teacher's Implementation Guide

*Available in print and digitally*

A teacher text that offers support in planning for and facilitating each lesson, guidance in engaging students, and language to enhance a teacher's understanding of the math

- Module and Topic Overviews
- Lesson Overviews with California Common Core State Standards
- Lesson Structure and Pacing Guides
- Lesson Facilitation Notes with Embedded Supports

### Assessments

*Available in print and digitally*

A balanced assessment system with various formative and summative assessments to monitor student progress

- Beginning-, Middle-, and End-of-the-Year
- End-of-Module and Topic
- ReadyChecks
- Lesson-Level Formative Assessments
- Reporting and Data Insights

### Resources for Facilitation

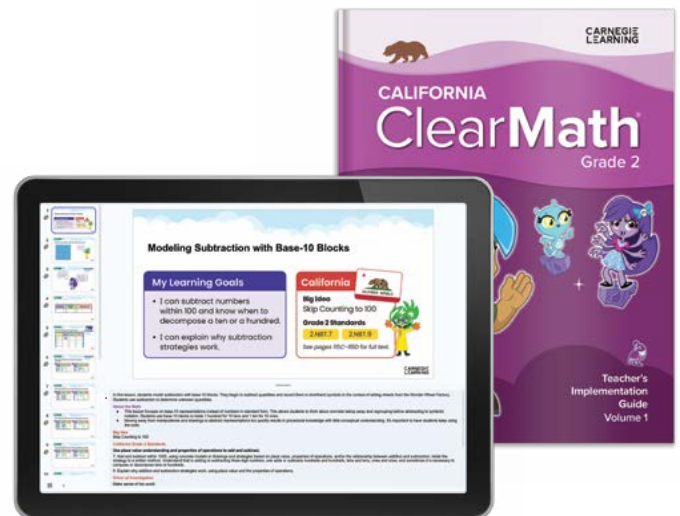
*Available digitally*

Materials that complement the printed Teacher Resources can be found in the Clear Learning Center

- Lesson Slides
- Daily Math Routines
- Additional Lesson Resources (i.e, black line masters, quantity cards, additional game boards)
- How-to-Play videos for analog games
- Explore Centers
- Assessment Guide
- Multilingual Support Handbook
- Instructional Strategies and Math Language Routines Handbook
- Mathematical Progressions and Connections

### Support Tools

Manipulative Kits: Grade-level kits including all necessary manipulatives required for students to fully engage in learning



## PROGRAM COMPONENTS

# Student Resources

Designed for agency, engagement, and deep understanding.

Students don't just learn math in California ClearMath; they explore, play, and take ownership of it. Whether they're working from their printed book, solving a challenge in MATHia Adventure, or revisiting a concept through centers and games, every component is built to help students connect, reflect, and grow. With multiple entry points, rich visuals, and purposeful practice, California ClearMath supports every learner, every day.

### Student Resource Book

*Available in print and digitally*

A consumable student text that captures thinking throughout concept development

- Topic Introduction and Student Letter
- Concept and Re-Engagement Lessons

### Additional Resources for Students

Additional resources to complement the printed Student Resources available in the Clear Learning Center

- My Math Book (Grade TK–K)
- Spaced Review (Grades 1–5)
- Topic Summaries

### Student Practice Book

*Available in print and digitally*

A consumable student text that provides additional practice for each lesson and a Family Guide for each topic

### Videos

Student How-to-Play videos that demonstrate how to play analog games and utilize manipulatives and tools

### Student Playmat Book (TK)

Transitional Kindergarten features a Student Playmat Book that captures thinking during development and provides hands-on practice

### MATHia Adventure

A game-based learning software for students aligned to Re-Engagement lessons and available for free play



# We're All In on Math Education in California

Carnegie Learning provides TK–12 core and supplemental math solutions and out-of-this-world professional learning programs built to seamlessly work together so students can think, learn, and do their best.



## Every California Student is a Math Person

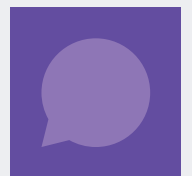
We've got 25 years of experience as the leading provider of research-based math solutions—proven to deliver up to 2x performance improvement on standardized tests—and a team of cognitive and computer scientists who are dedicated to tirelessly finding new and better ways to support teachers and students.

*That's how we know every California student is a math person.*



Continue your exploration here:

[www.carnegielearning.com/ca-math-tk-5](http://www.carnegielearning.com/ca-math-tk-5) ▶



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