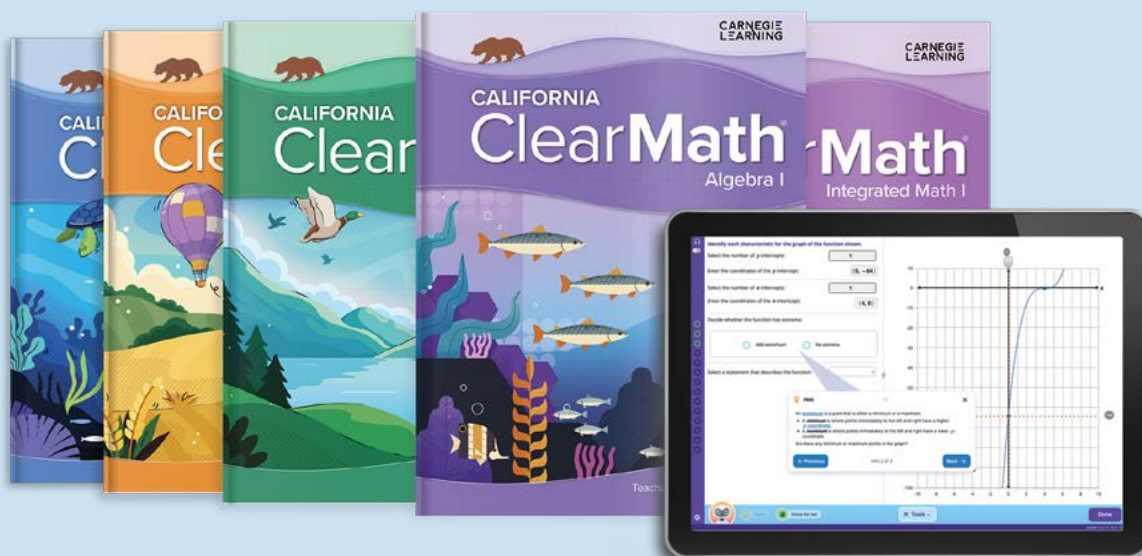




ClearMath Secondary

Awaken the math person in every student.





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 one-to-one software supports individual student learning and builds confidence
- ✓ Robust assessment and data tools for as, for, and of learning

Build Math Thinkers

California ClearMath transforms math class into a space where students don't just solve problems, they make sense of them. Designed around the California Mathematics Framework, the program cultivates curiosity, reasoning, and a deep understanding of mathematical ideas.

With a blend of collaborative tasks, digital tools, and real-world connections, students build the confidence and habits of mind they need to thrive in math and beyond. Teachers get real-time data and flexible tools to support every learner, every day.



What is California ClearMath?

California ClearMath is a comprehensive 6-12 core solution that fully aligns with the California Mathematics Framework. Our solution transforms students into confident sense-makers, articulate communicators, and creative problem solvers.

Every lesson combines intentional structure and flexible access, supporting multilingual learners, honoring student voice, and creating space for productive struggle. From MATHia, our AI-driven coaching software that personalizes instruction for each student, to in-class discourse and collaborative learning activities, we offer comprehensive math education.

California ClearMath reflects the world students live in and the future they're building.

Our Instructional Model

Built for deep understanding.

California ClearMath is designed around a rhythm that helps students make sense of math, revisit their thinking, and build lasting understanding. Two key lesson types, **Concept Lessons** and **Re-Engagement Lessons**, work together to support deep learning and timely support.

This “teach–teach–pause” structure empowers teachers with formative insights and supports students right when they need it, keeping the whole class on pace and moving forward.

Every lesson includes:

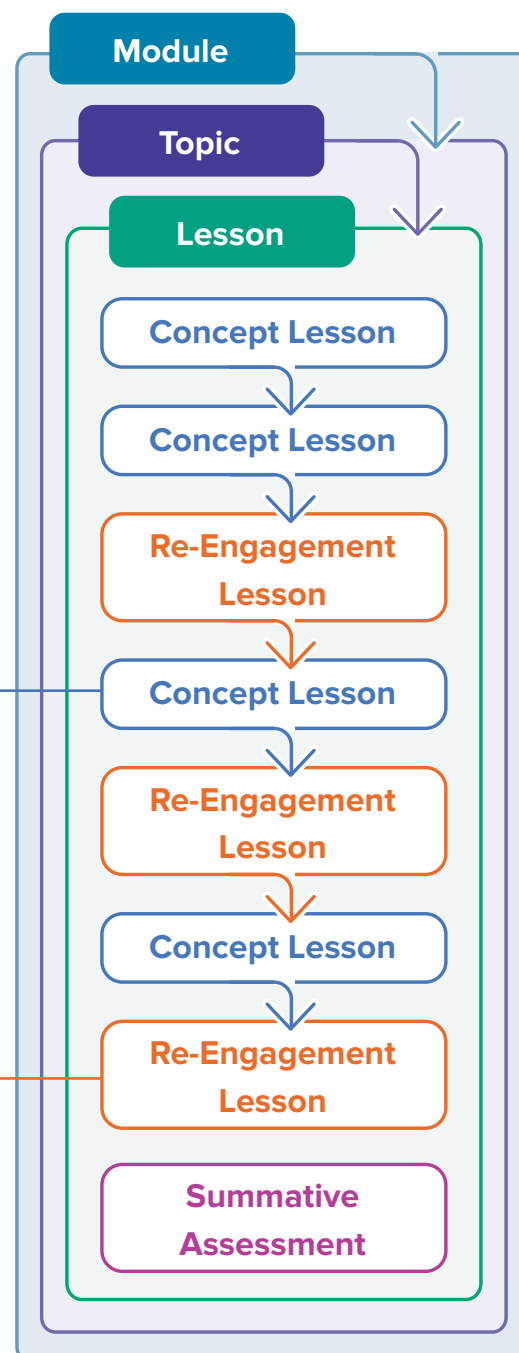
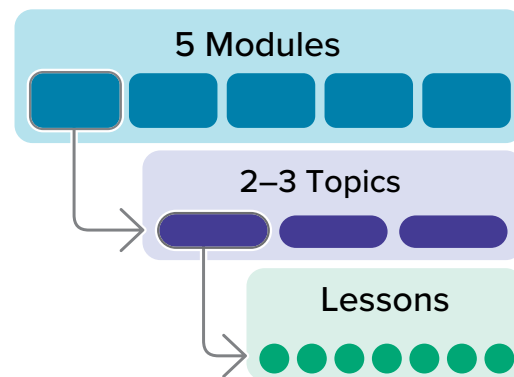
- Opportunities for student voice and choice
- Structured prompts that support academic discourse
- Built-in look-fors and teacher guidance to adjust instruction in the moment
- Integration with digital tools like **MATHia**, **MATHstream**, and **Desmos** to visualize and extend learning

Concept Lessons: Discovering the Big Ideas

Concept Lessons introduce big mathematical ideas through visual models, meaningful contexts, and rich discourse. Students explore, collaborate, and engage in productive struggle, building confidence as they go.

Re-Engagement Lessons: Reflecting and Strengthening

Re-Engagement Lessons follow Concept Lessons. These lessons pause to strengthen understanding, revisit misconceptions, and apply learning in new ways.





The Power of the Pause

Connected tools that make concepts stick.

In California ClearMath, a pause isn't a step back; it's the launchpad for deeper learning. Re-Engagement Lessons are designed to respond to what students need right now, not after the unit ends.

After each set of Concept Lessons, teachers use reflection tasks and classroom observations to identify student needs. These insights drive small-group instruction and target support, unlocking new paths forward.

Re-Engagement in Action

- MATHia Playlists are customized sets of MATHia workspaces that align directly with recent concepts, giving students personalized, self-paced practice with embedded coaching
- LiveLab provides real-time teacher data to support grouping and targeted re-teaching
- MATHstream videos offer high-quality, just-in-time instruction from real math educators, ideal for review or extra support

This coordinated pause helps teachers meet students where they are, without losing momentum.

Access for All

California ClearMath is designed to support every student, especially those historically underserved. With embedded language supports, flexible structures, and multiple access points, every lesson is an opportunity to connect, include, and empower.

Support for Multilingual Learners (MLLs)

- All lessons include **Language Goals** and **Math Language Routines** to promote academic discourse.
- Embedded scaffolds include sentence frames, tiered vocabulary, and visual models available to teachers.
- The **Multilingual Learner Support Handbook** provides strategies for differentiation by proficiency level.

Module 2
Topic 4 Ratios

Module 2 Topic 4
Lesson 1 It's All Relative

Use these supports to help all students access the content, develop skills tied to the language goal, and express their understanding through visuals, language, and collaboration.

MLL Language Goal
I can explain whether a comparison of quantities in the form of a ratio expresses a part-to-part relationship or a part-to-whole relationship using causal connectors.

- **Visual aids and gestures** Use diagrams to show part-to-part and part-to-whole ratios, encouraging students to gesture or point to parts of diagrams.
- **Sentence frames** Offer sentence frames ranging from simple (e.g., "The ratio ____ is a ____ relationship.") to complex structures for bridging level students.
- **Word banks** Include essential vocabulary related to ratios (e.g., *part-to-part*, *part-to-whole*, *total*, *part*, *colors*).
- **Partner/group work** Group students by language proficiency, encouraging collaborative learning through shared home languages or pairing with more proficient English speakers.
- **Hands-on activities** Provide tools like note cards labeled *part*, *whole* and to help students physically represent ratios.

Universal Design for Learning (UDL)

- Multiple ways to access content, engage with problems, and express understanding available to students.
- Supports include structured collaboration, individualized practice, and culturally responsive prompts.

Differentiation Strategy

Assistance for All

Representation: Perception

Students encounter several strategies to determine equivalent ratios as they complete the activities in this lesson. Have them number and highlight each strategy's name as they learn to use it, beginning with this strategy.

Cultural Relevance and Representation

- Tasks and contexts designed to reflect students' identities, lived experiences, and community issues.
- Digital Activate activities use interactive Desmos tasks and offer up to four real-world scenarios, often grounded in Environmental Principles and Concepts, social justice themes, or data analysis.

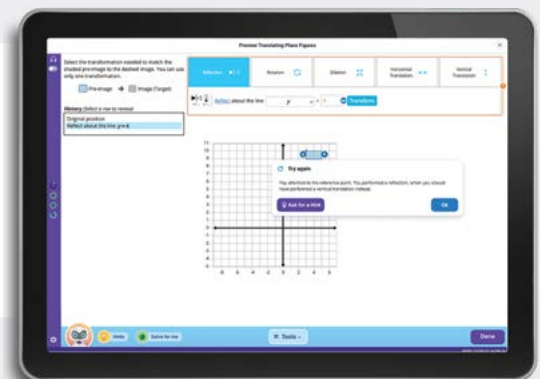


Cultivate Connections

Mixing blue paint and yellow paint provides an opportunity to learn about classmates' experiences. Consider having students share examples of mixing parts together to create something new, such as combining spices, mixing cement and water, or mixing different flavors of a sports drink.

Predictable Routines, Flexible Entry Points

- Clear lesson structures reduce cognitive load and promote belonging.
- MATHia, MATHstream, and Re-Engagement Lessons give every student just-in-time support at their level.



Equity Isn't an Extra; It's the Foundation

California ClearMath gives teachers the tools to meet a wide range of needs without having to track progress, water down rigor, or slow the pace for some at the expense of others.



What Students Experience

- Scaffolded tasks that promote reasoning
- Explicit language routines for discourse
- Opportunities to collaborate and reflect
- Personal connections to math
- Re-engagement instead of remediation

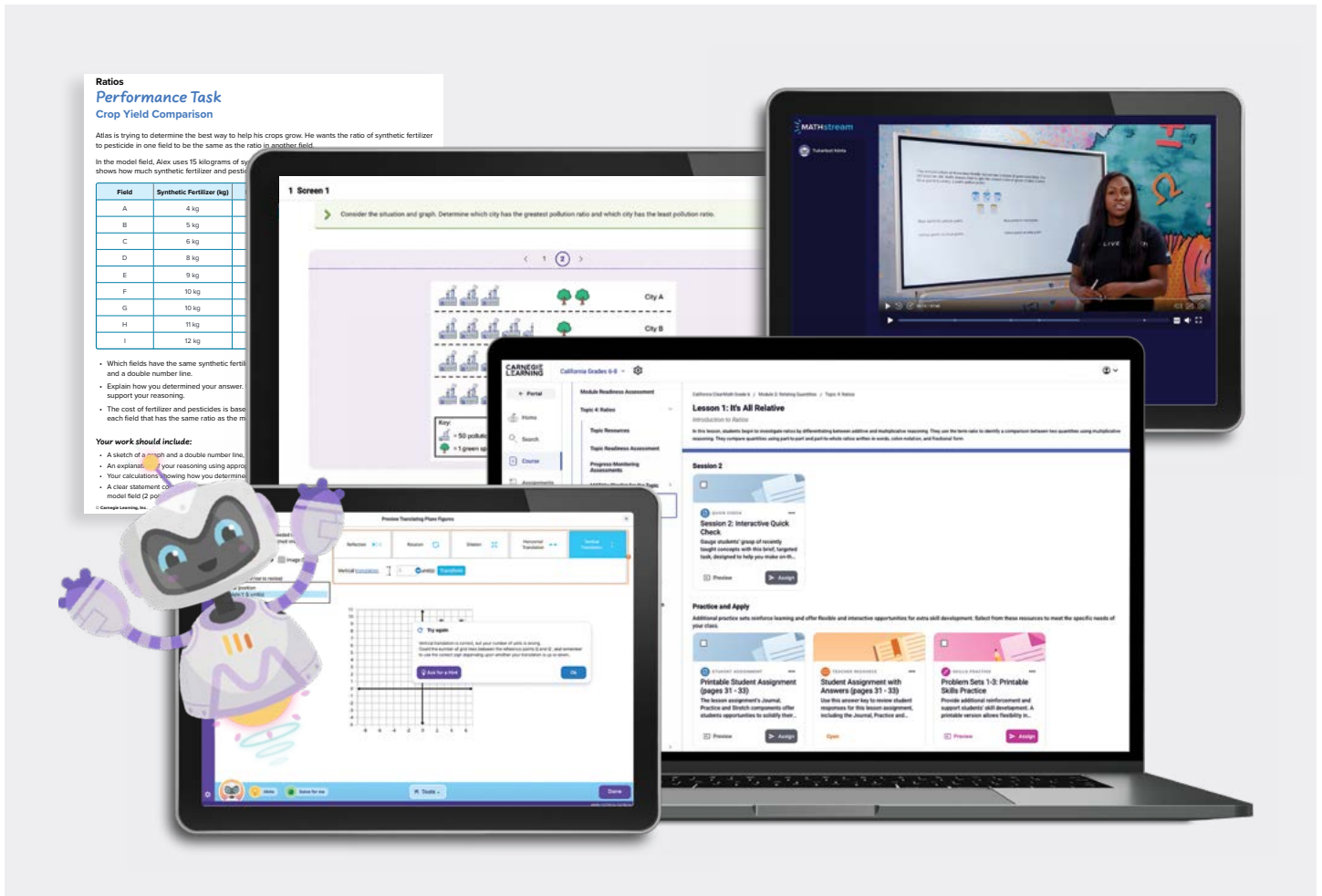
How Teachers Are Supported

- Look-fors and strategies to guide classroom discussions
- Guidance for differentiating by language proficiency
- Grouping tools based on formative data, not labels
- Activate activities that center equity and student voice
- MATHia and MATHstream to support just-in-time teaching



Tools That Work as Hard as California Teachers Do

California ClearMath provides flexible, ready-to-use resources that make it easy to plan, teach, and adapt without sacrificing rigor or instructional time.



Your Teacher Toolkit Includes:

- ✓ **Lesson Overviews** focus on key ideas, student strategies, and discussion prompts
- ✓ **Editable Slides** launch instruction faster with built-in visuals and pacing
- ✓ **Language Supports** elevate discourse with Embedded Language Goals and Routines
- ✓ **Re-Engagement Lessons** guide small-group instruction with real-time classroom insights
- ✓ **MATHia Reports + LiveLab** monitors progress and plans just-right re-engagement strategies with real-time insights
- ✓ **MATHstream Access** reinforces learning with expert video instruction
- ✓ **Performance Tasks** assess conceptual understanding in meaningful ways
- ✓ **The Clear Learning Center** houses necessary resources with searchable, centralized access



“Because Carnegie Learning lessons are so thorough and well-structured, students can connect things they didn’t know were connected before. So, all of a sudden, they’re talking, correcting each other, and walking out of class saying, ‘Wow, I don’t think I ever learned like this before.’ And they come back the next day excited to do it all over again.”

Shannon Drumma

6th grade math teacher

Plan with Purpose. Teach with Clarity. Reach Every Learner.

Because you’re the expert in your classroom, your curriculum should support your decisions, not override them. That’s why California ClearMath is built for flexibility, clarity, and trust in your professional judgment.

Whether you’re supporting multilingual learners, accelerating some students while reteaching others, or creating space for student voice and agency, our program equips you with:

- Clear routines and structure without rigidity
- Prompts for reasoning, reflection, and academic discourse
- Digital tools like MATHia and MATHstream that personalize learning
- Built-in guidance for differentiation and small-group instruction
- Embedded supports for equity, accessibility, and language development
- Tools for equity, accessibility, and language development

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.



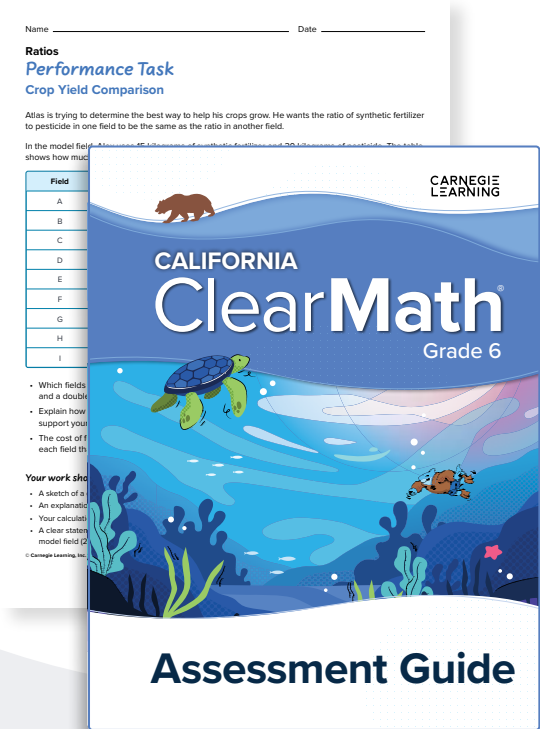
Assessment Types Aligned to the California Mathematics Framework

Assessment OF Learning	Assessment FOR Learning	Assessment AS Learning
Course-Level Assessments	ReadyCheck Assessments	Reflect Activities
End-of-Module Assessment	Quick Checks	I Can Statements
End-of-Topic Assessment	Purposeful Questions	MATHia Progress Trackers
Pre- and Post-Topic Assessment	Student Look-Fors	Learning Reflections
Course-Level Assessments	Ongoing Assessments embedded in the teacher facilitation notes	
Performance Task	MATHia Insights	

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



Only available on the Clear Learning Center

Purposeful Pauses that Build Confidence and Clarity

Re-Engagement Lessons are built into the California ClearMath instructional model to ensure every student gets the support they need, exactly when they need it. These lessons prioritize time for personalized learning in MATHia, allowing students to revisit and master key concepts while teachers use real-time data to intervene with confidence.

Actionable Data at Your Fingertips

With MATHia and LiveLab, teachers never have to guess who's struggling or what to do next. Predictive analytics, live classroom data, and student-level insights help you make the most of every instructional minute.

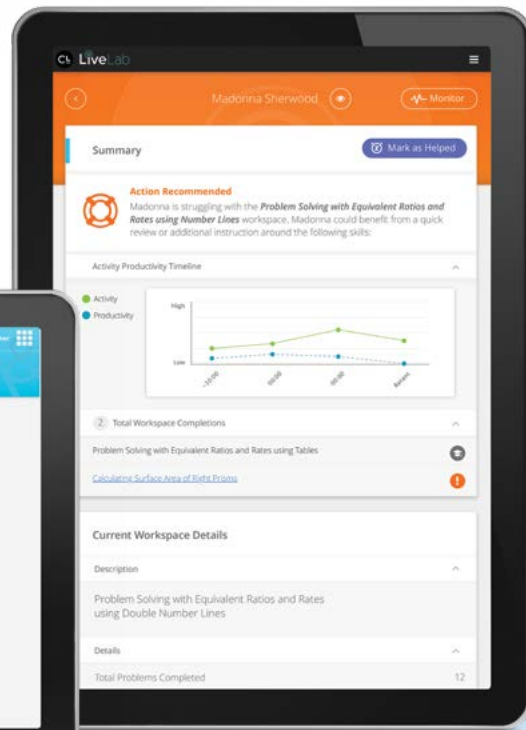
▼ Adaptive Personalized Learning Score (APLSE)

- Predict end-of-year CAASPP proficiency
- Plan interventions early
- More accurate insights with continued MATHia use



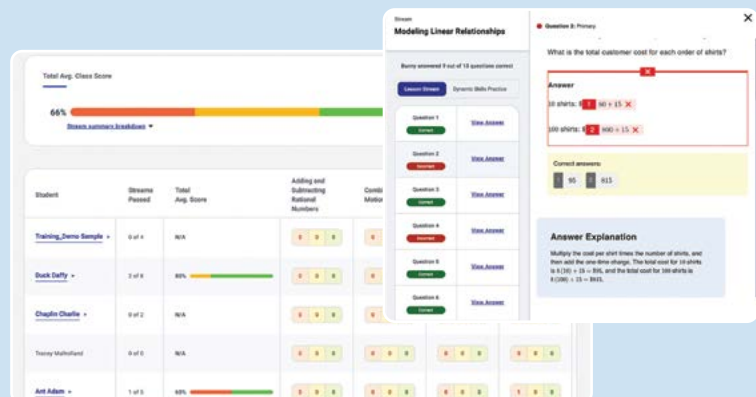
▼ LiveLab Real-Time Classroom Dashboard

- See who's stuck and why
- Offer immediate support during Re-Engagement
- Target help where it's needed most



MATHstream Adaptive Video Reinforcement

MATHstream's interactive videos offer students an engaging way to revisit key ideas or get additional support, on their own time or during targeted instruction.



Stop Searching, Start Teaching with the Clear Learning Center

The Clear Learning Center is your digital home base for California ClearMath. It brings planning tools, instructional resources, and data insights together, so you can focus more on teaching and less on tracking things down.

Plan

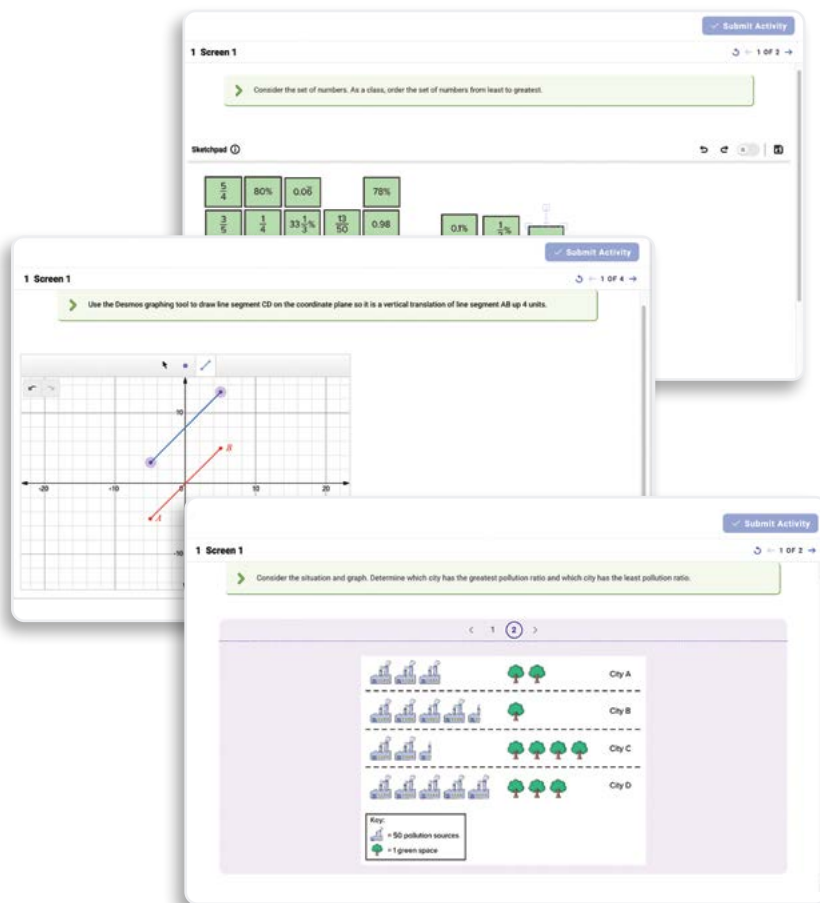
Everything you need to launch meaningful instruction is just a few clicks away.

- Search by keyword, standard, or lesson to quickly find the resources you need
- Access module and topic overviews that clarify Big Ideas and Content Connections
- Use daily lesson facilitation notes with pacing, purposeful questions, and embedded supports
- Find MATHia Workspace previews and leveled scaffolds for multilingual learners

Engage

Empower students to explore, discuss, and apply mathematical ideas in meaningful ways

- Launch each lesson with up to four Activate activities, often powered by Desmos™ tools, to spark curiosity and surface student thinking
- Deliver tasks through the Lesson Slides with interactive student tools and built-in teacher prompts to guide discussion and respond in real time
- Reinforce understanding with targeted, small-group re-engagement lessons
- Support every learner with personalized, just-in-time instruction, whether through MATHia's AI-driven adaptivity, targeted Skills Practice, or adaptive MATHstream video lessons



Assess

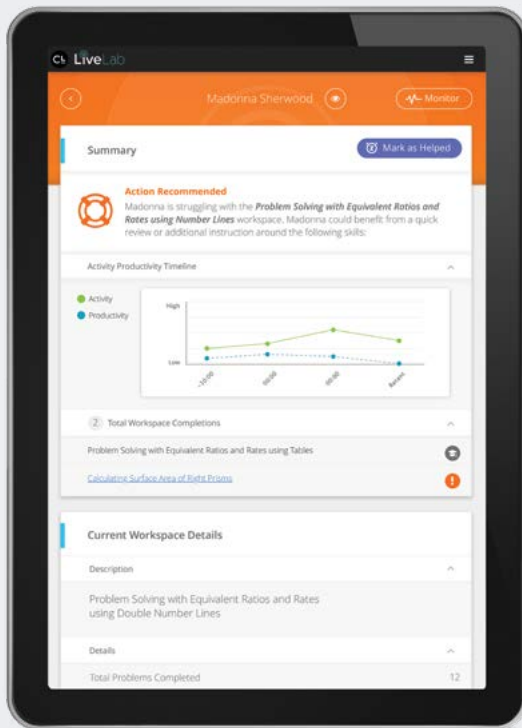
Assessment in California ClearMath is continuous, connected, and purposeful. The Clear Learning Center helps you:

- Assign auto-scored assessments, from lesson-level Quick Checks to End-of-Module assessments
- Access rubrics and look-fors to support formative assessment during instruction
- Provide tech-enhanced practice that mirrors state test expectations

Use Data to Drive Decisions

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

- Analyze MATHia and assessment data to pinpoint individual and classwide needs
- Use LiveLab during Re-Engagement Lessons to respond to student progress in real time
- Take next steps with built-in instructional recommendations aligned to assessment results



		6.NS.1	6.RP.3d	6.RP.3c	6.RP.3b	6.RP.3a	6.RP.3
	Total Average Score						
Heath Atkins	86%	75%	90%	-	-	-	-
Dee Buchanan	81%	100%	80%	-	50%	-	-
Lynn Greer	0%	-	-	0%	-	-	-
Tracie Montoya	0%	-	-	-	-	-	-
Phillip Rodriguez	5%	0%	0%	-	-	42%	-
Mitchel Schultz	19%	-	-	-	-	-	2%

PROGRAM COMPONENTS

Teacher Resources

Teacher Implementation Guide (TIG)

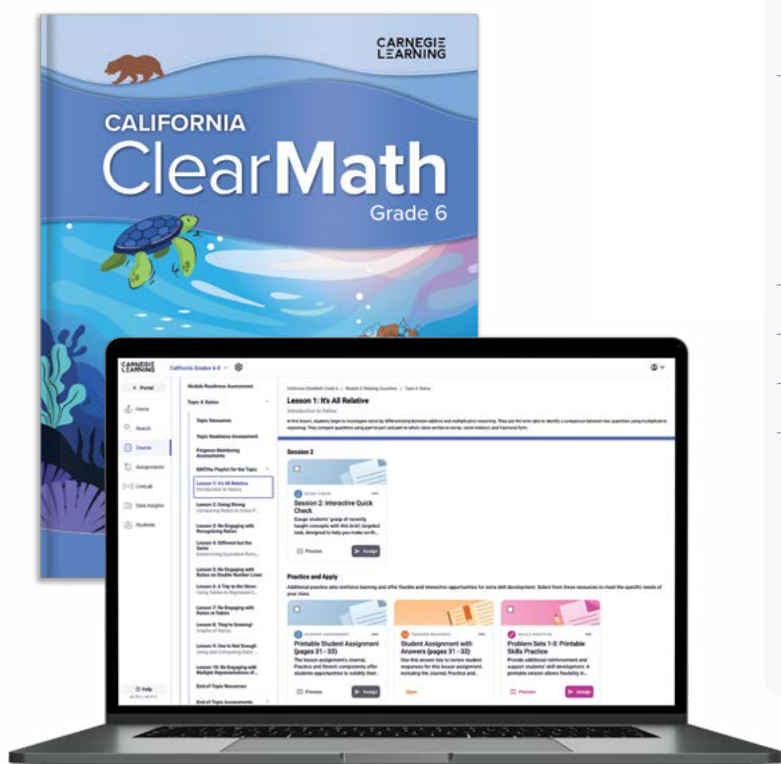
The TIG provides easy-to-implement resources for planning and point-of-use facilitation.

- Module and Topic Overviews
- Lesson Resources
- Step-by-step guidance to support facilitation and deepen understanding
- Differentiation Strategies aligned to UDL principles
- Common Misconceptions and Student Look-fors
- Questions to Support Discourse
- Multilingual learner support
- Introductory lesson to establish classroom culture
- Ongoing informal assessment support

Digital Resources

The Clear Learning Center provides access to planning and implementation support resources.

- Digital Teacher Implementation Guide
 - Embedded videos to support implementation
 - Downloadable resources at point of use
- Lesson presentation slides
- Multilingual Learner Support Handbook
- Assessment Guide
- Mathematical Progressions and Connections
- Practice (PDF to download or assign digitally)
 - Skills Practice
 - Mixed Practice
- Assessments (PDF to download or assign digitally)
- Getting Ready
 - Topic Pre- and Post-Tests
 - End of Topic Tests
 - Standardized Test Questions
 - Performance Tasks
- Autoscored Assignments and Assessments
 - ReadyCheck Assessments
 - Interactive Assignments
 - Interactive Skills Practice
 - Interactive Exit Tickets
 - Interactive End-of-Topic Assessments
- MATHia personalized instruction
- LiveLab real-time student data
- MATHstream adaptive, interactive instructional videos
- Class and student-level reports
 - Adaptive Personalized Learning Score (APLSE) Report
 - Progress Report
 - Session Report
 - Skills Report
 - Standards Report



PROGRAM COMPONENTS

Student Resources[†]

MATHbook

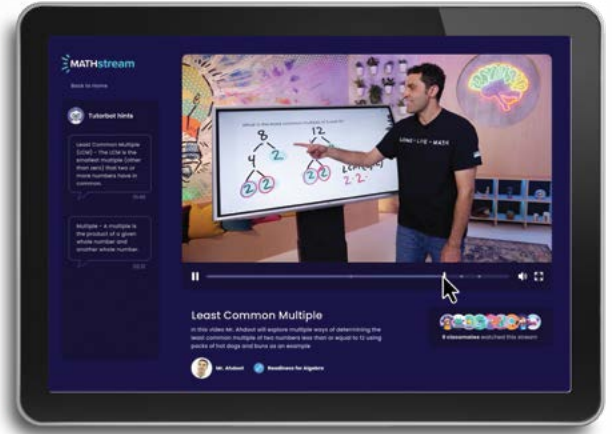
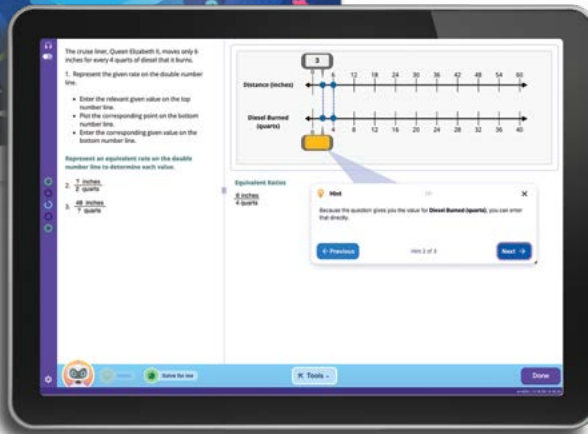
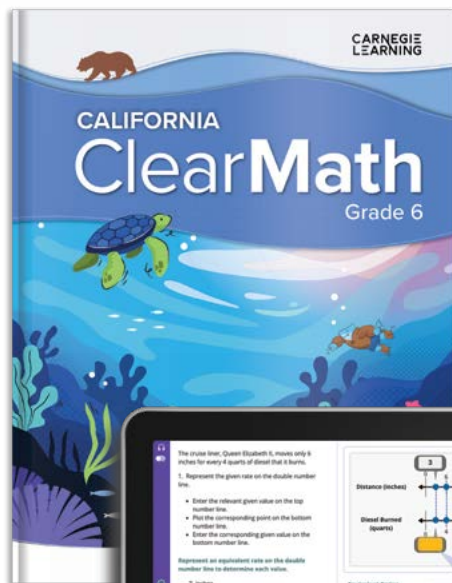
A consumable textbook for learning and self-reflection.

- Lessons activate prior knowledge
- Minds-on activities drive student ownership of learning
- Formative assessments allow students to demonstrate their understanding
- Assignments for practice
- Glossaries boost academic language and math terms

Digital Resources

The Clear Learning Center provides students and families with access to digital resources for learning, practice, and assessment.

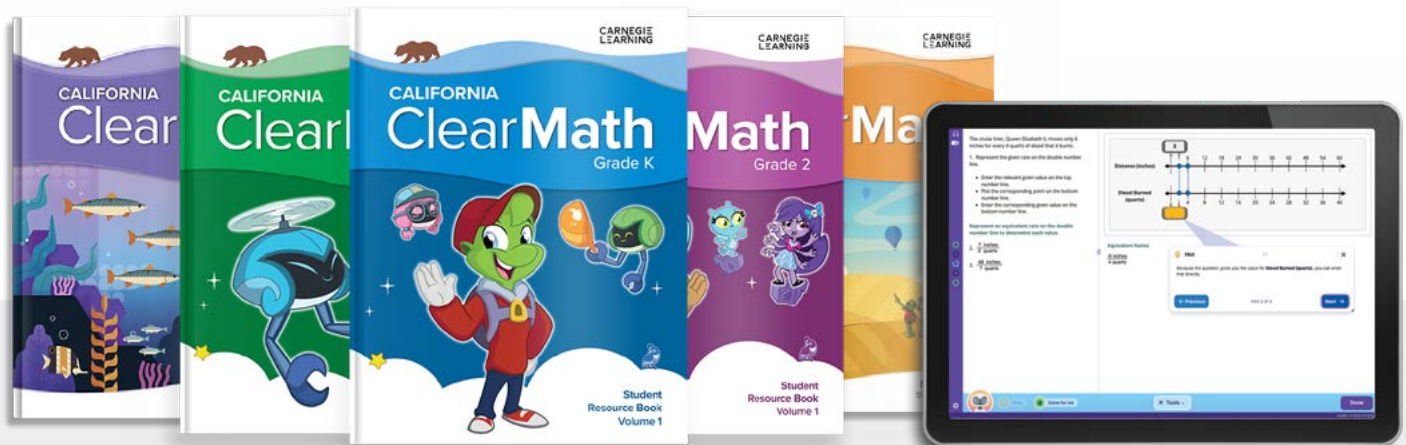
- Interactive MATHbook
- Interactive Assignments
- Interactive Skills Practice
- Interactive Assessment
- MATHia: AI-driven, one-to-one online coaching software that adapts to meet individual student needs
 - Step-by-step instruction for concept development and skills mastery
 - On-demand hints support student agency
 - Just-in-time hints provide personalized information
- MATHstream: Adaptive, interactive video streaming program where certified teachers deliver targeted instruction.
- Family Guides for each Topic



[†]Available in English and Spanish

We're All In on Math Education in California

Carnegie Learning provides K–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

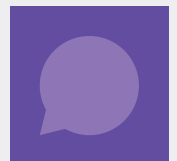
We've got 25 years of experience as the leading provider of research-based math solutions—proven to deliver up to 2x performance improvement on standardized tests—and a team of cognitive and computer scientists who are dedicated to tirelessly finding new and better ways to support teachers and students.

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



Continue your exploration here:

<http://www.carnegielearning.com/ca-math-6-12> ►



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