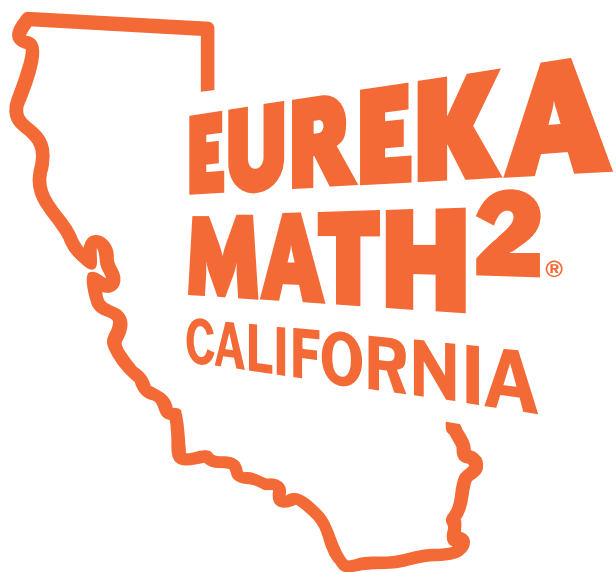
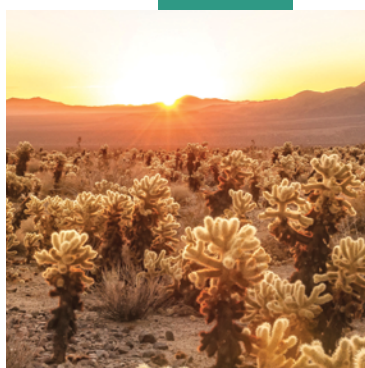




GRADES K-5

Program Overview



Deeper Thinking.
Greater Growth.





Deeper Thinking. Greater Growth.

At Great Minds®, we believe that all students are capable of greatness—and all teachers deserve high-quality, research-proven instructional materials that foster more “aha!” moments.

Eureka Math² California is a coherent, evidence-based core mathematics curriculum that helps teachers deliver on the vision of the California Mathematics Framework. Designed to empower students and teachers, *Eureka Math² California* centers instruction on student equity and success and helps all learners build a more confident math mindset.

With *Eureka Math² California*, teachers can:



Make learning stick with a **Coherent Design**



Build rich understanding through **Cognitive Engagement**



Foster a classroom culture that instills **Confident Learning**

Table of Contents

Research Foundations	Coherent Design	Cognitive Engagement	Confident Learning	Professional Development	<i>Eureka Math² California</i> Components
1	2–5	6–7	8–15	16–17	18–21

Build Lasting Confidence That Leads to Real Results

*Eureka Math*² California gives teachers a clear and coherent path to help every student build a confident math mindset. That's why the topics, concepts, and mathematical models follow a consistent sequence. The instructional approaches are a strategic blend between conceptual understanding, explicit and systematic fluency, and application—all intentionally driven by student learning outcomes.

The Strategic Blend



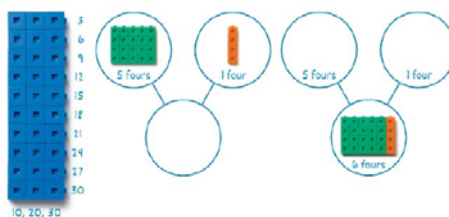
Conceptual Understanding

Daily lessons include concrete–pictorial–symbolic representations and simple-to-complex progressions to develop understanding.



Procedural Fluency

Daily fluency activities and distributed and spiraling practice provide opportunities for students to grow in mathematical fluency.



Application

Real-world problems and collaborative tasks consolidate student thinking, inviting students to draw conclusions and make deep connections.

Use the Read–Draw–Write process to solve the problem.
6 people go to the county fair.
They bring a total of \$60 to spend on food.
Each person buys a lemonade and a popcorn.

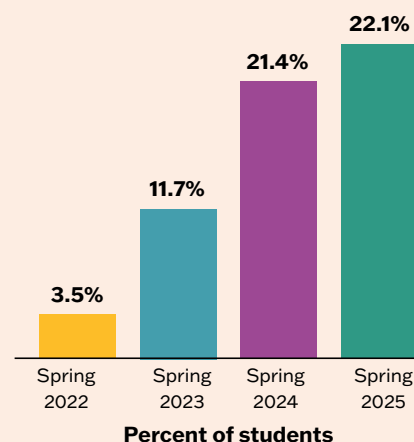


- How much do the 6 people spend on lemonade and popcorn?
They spend \$54 on lemonade and popcorn.
- How much money do they have left?
They have \$6 left.

Growth in the Numbers

Evidence shows that coherence supports student growth. At San Tan Heights, math proficiency increased with *Eureka Math*², rising 18.6% over four years (spring 2022 to spring 2025).

Students Scoring as Proficient or Advanced on MAP Math Assessment



Source: Johns Hopkins University Efficacy Study for San Tan Heights (2022–2024); Spring 2025 MAP data for San Tan Heights (2020 norms)



When Math Connects, Learning Sticks

Effective knowledge-building requires coherence and the connectivity of ideas.

Eureka Math² California is intentionally designed so learning builds logically and meaningfully over time. Coherence is the structure that anchors instruction, connects Big Ideas, and helps students make lasting sense of mathematics.



Coherence Strengthens Learning:

Across Grades and Modules

Students build knowledge steadily and confidently through a logical progression across grades and modules that connect big ideas over time.

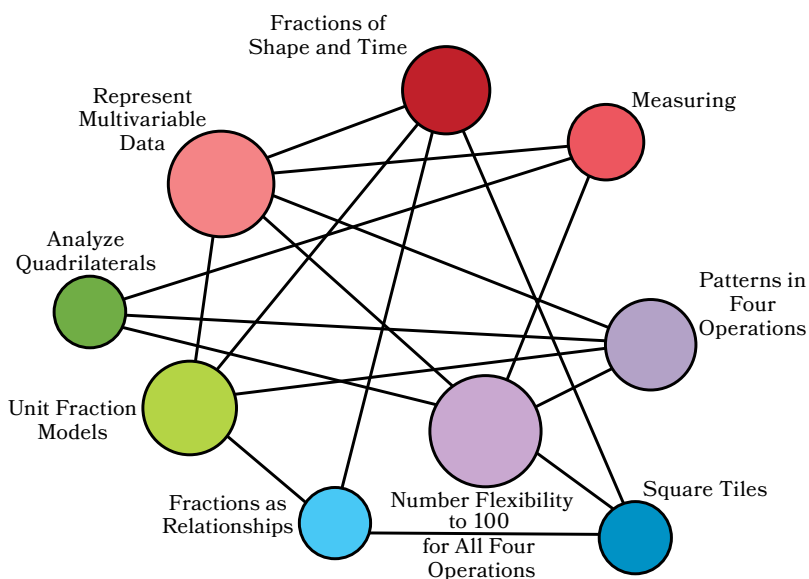
Through Routines

With intentionally integrated instructional and language-rich routines across lessons, students consistently reason, explain, and communicate ideas.

Through Models

High-leverage models such as number bonds, tape diagrams, and area models remain consistent across grades, helping students even as the units and calculations grow more complex.

Rather than teaching math as isolated topics and ideas, *Eureka Math² California* follows an intentional, coherent structure—ensuring deep and enduring conceptual understanding.



Big Ideas

The Big Ideas shape student learning in *Eureka Math² California* and allow students to make connections across modules and grade levels. By seeing math as a story, students build deep and enduring conceptual understanding.

Following a logical and systematic mathematical progression, *Eureka Math² California* contains a consistent, research-backed lesson model to help students manage their cognitive load and engage in richer learning. Each lesson provides intentional emphasis and rigor on every element of learning: daily fluency, conceptual understanding, and application.

Consistent Lesson Model



Every lesson begins with **Fluency** as a warm-up.

Launch hooks students into the day's lesson through inquiry.

Learn introduces new content gradually and coherently.

Land provides closure and realignment to the learning objective.

Students Will

Access prior knowledge and build automaticity



Students Will

Freely explore and discuss new concepts



Students Will

Tackle grade-level standards by working through Problem Sets of varying complexity



Students Will

Complete the Exit Ticket and Self-Reflection on the *I can* statement



Teachers Will

Deliver daily practice that is foundational for the day's lesson



Teachers Will

Provide familiar instructional routines that build confidence and conceptual understanding



Teachers Will

Introduce strategies and guide all students by using Universal Design for Learning



Teachers Will

Lead a debrief that reinforces and consolidates learning





The Student Learning Arc

Learning progressions that allow teachers to grow alongside students

Eureka Math² California shows learning progressions across grade levels and modules visibly and intentionally so teachers and students can see how knowledge builds over time. This educative program shows teachers how learning builds over time through connected Big Ideas and how to identify and adjust instruction to remove misconceptions and drive toward proficiency for all.



Module 1 Achievement Descriptors Overview

Achievement Descriptors (ADs) are standards-aligned descriptions that detail what students should know and be able to do based on the instruction. ADs are written by using portions of various standards to form a clear, concise description of the work covered in each module.

Each module has its own set of ADs, and the number of ADs varies by module. Taken together, the sets of module-level ADs describe what students should accomplish by the end of the year. Each lesson identifies the ADs aligned with that lesson.

Achievement Descriptors

3.Mod1.AD1 Represent a multiplication situation with a model and convert between several representations of multiplication.

Note: This excludes the creation of a multiplication situation from an expression, an equation, or a model, which is reserved for module 3.

3.OA.A.1

3.Mod1.AD2 Represent a division situation with a model, or convert between several representations of division.

Note: This excludes the creation of a division situation from an expression, an equation, or a model, which is reserved for module 3.

3.OA.A.2

Achievement Descriptors

3.Mod1.AD3 Solve one-step word problems using multiplication or division within 100, involving factors and divisors 2–5 and 10.

Note: Only one factor needs to be 2–5 or 10.

3.OA.A.3

3.Mod1.AD4 Determine the unknown number in a multiplication or division equation involving factors and divisors 2–5 and 10.

Note: Only one factor needs to be 2–5 or 10.

3.OA.A.4

3.Mod1.AD5 Apply the commutative property of multiplication to multiply a factor of 2–5 or 10 by another factor.

3.OA.B.5

3.Mod1.AD6 Apply the distributive property to multiply a factor of 2–5 or 10 by another factor.

3.OA.B.6

3.Mod1.AD7 Represent and explain division as an unknown factor problem.

3.OA.B.6

3.Mod1.AD8 Multiply and divide within 100 fluently with factors 2–5 and 10, recalling from memory all products of two one-digit numbers.

Note: Only one factor needs to be 2–5 or 10.

3.OA.C.7

3.Mod1.AD9 Solve two-step word problems.

Note: For module 1, in multiplication or division problem types, at least one factor or the divisor must be 2–5 or 10.

3.OA.D.8

EUREKA MATH² California Grade 3 • Module 1 15

Achievement Descriptors and Proficiency Indicators

Standards-aligned Achievement Descriptors detail what students should know and be able to do. Understand the skills and knowledge that students will develop by the end of the module while keeping track of their progress throughout the module and the school year.

Before and After This Module

View brief overviews of when and how the foundation was laid for the module so teachers can internalize the instructional approach and help students make connections to their learning.

Module 1 Overview

Multiplication and Division with Units of 2, 3, 4, 5, and 10

Coherence: Before This Module

Grade 2

In grade 2, students complete foundational work for multiplication and division. They form equal groups, write repeated addition sentences, arrange objects in rows and columns to form arrays up to 5 by 5, and discover how adding the number of objects in the rows or columns relates to repeated addition. At first, arrays are made with gaps between rows and columns and, later, are made with no gaps. Students build and manipulate arrays and use part-total language to express the composition and decomposition.

Grade 3 module 1 elevates the work of grade 2 through formal introduction of multiplication and division.

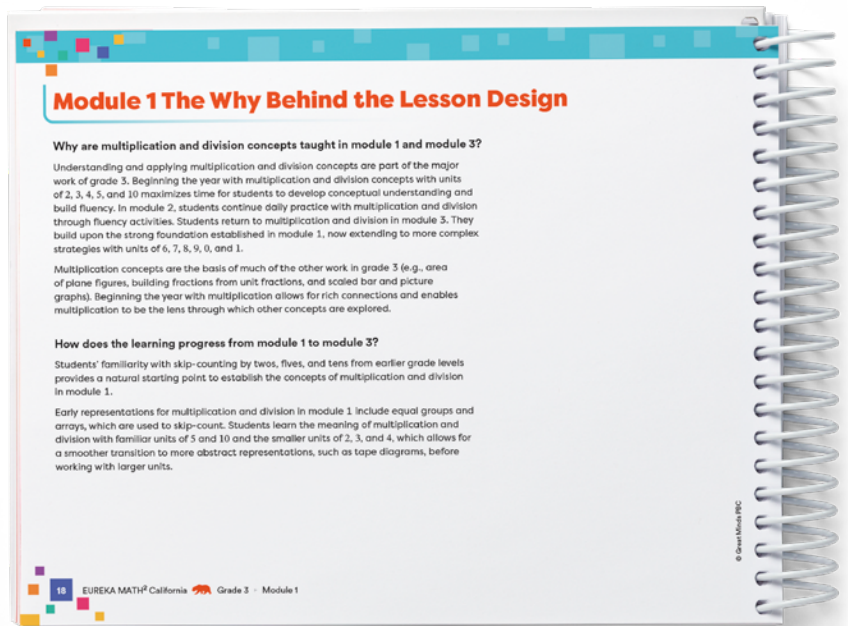
Coherence: After This Module

Grade 3 Module 3

In grade 3 module 3, students apply conceptual understanding and use the commutative, distributive, and associative properties to extend their learning of multiplication and division to units of 6, 7, 8, 9, 0, 1, and two-digit multiples of 10. Students solve one- and two-step word problems involving the four operations.

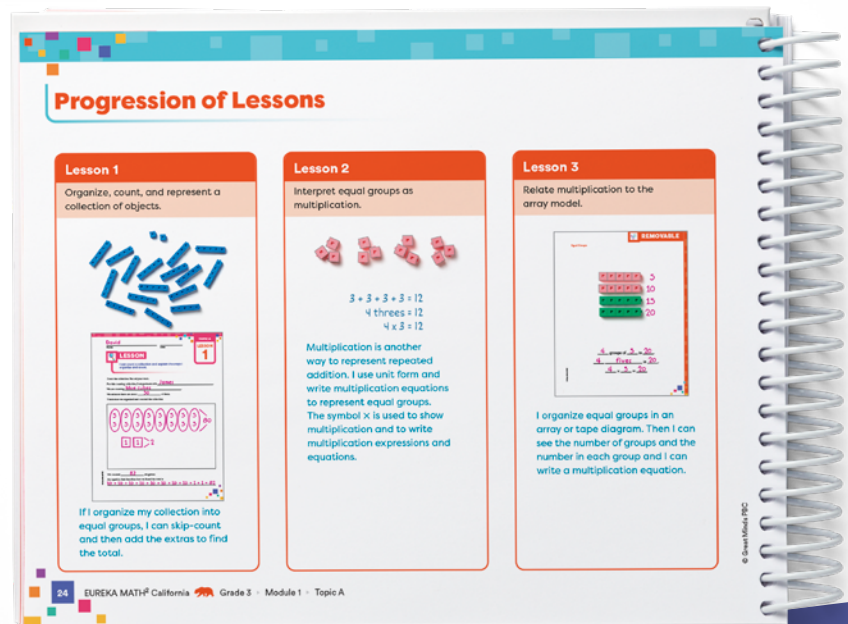
The Why Behind the Lesson Design

Understand how and why this lesson brings concepts together to support the broader student learning arc and to support teachers in making strategic instructional decisions.



Progressions of Lessons

Take a quick glance at how each lesson plays a part in the greater sequence of learning and how this progression shows up in student thinking.



IMPACT INTEL

“There’s not a bit of the curriculum that isn’t written to be thoughtful, intentional, and coherent.”

– Ryan Redd, K–5 Math Specialist, New Hanover County Schools, North Carolina



Build Rich Understanding Through Meaningful Engagement

Eureka Math² California uses learning science-defined engagement to build rich understanding. Lessons are designed to fuel discourse, drive reasoning and sense-making, and spark curiosity.



Climbing Up the Engagement Ladder

Not all engagement brings the same results. That's why *Eureka Math² California* lessons are designed to help students move up the engagement ladder, supporting them as they climb from passive participation to interactive learning.

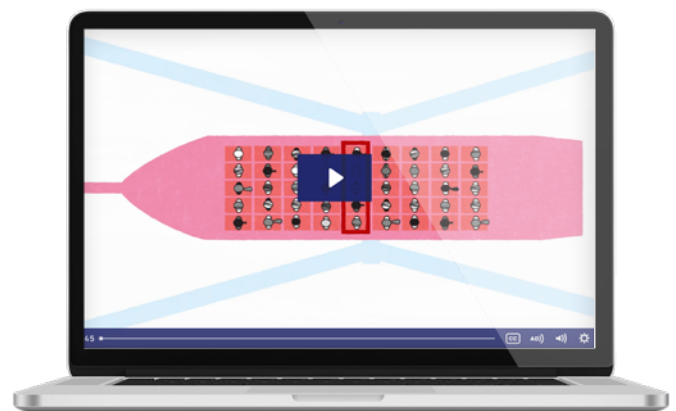
Michelene T. H. Chi and Ruth Wylie, "The ICAP Framework: Linking Cognitive Engagement to Active Learning Outcomes," *Educational Psychologist* 49, no. 4 (2014): 219–243, <https://doi.org/10.1080/00461520.2014.965823>



Active Engagement Through Context-Rich Sense-Making

The *Eureka Math² California* digital platform provides opportunities for accessible entry points into mathematical thinking. **Wordless context videos** lower language and reading barriers and invite every student to make sense of real-world math problems.

The **digital interactives** allow students to test their ideas and discuss.



Constructive Engagement Through Collaboration

With **Data Talks** and **Data Investigations**, students interpret data through rigorous, accessible, and discussion-rich experiences that spark curiosity and critical thinking.

The image shows two overlapping worksheet pages. The top page is titled 'DATA TALK Mama Bears' and features a photo of a brown bear. Below the photo is a line graph titled 'Litters Born to Adult Female Brown Bears, 2001–2021'. The bottom page is titled 'Data Investigation | Bear Characteristics' and contains a four-step process: 1. Ask a Statistical Question, 2. Collect Data, 3. Analyze Data, and 4. Interpret Results. It also includes sections for 'Pacing Suggestion', 'Content Connections', 'Math', 'Reading and Writing', and 'Science'.



Interactive Engagement Through Peer Discourse

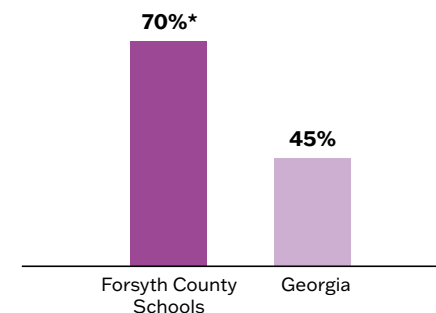
Eureka Math² California equips teachers with **Mathematical Language Routines** to fuel peer discourse and help students solidify their understanding. As students ask questions, explain their thinking in their own words, and refine ideas together, they move up the engagement ladder and into constructive and interactive learning.

IMPACT INTEL

“Teaching math has become more exciting because students are the ones driving the learning. When teachers step back and create space for student thinking, discourse, and discovery, the classroom comes alive.”

– Dr. Brian Lack, Forsyth County Schools,
K–8 Mathematics Curriculum and Instruction Specialist

70% Of Forsyth Co. Students Score Proficient or Above



*More than 70 percent of Forsyth County students in grades 3–5 scored proficient or above on the 2023–2024 end-of-grade state assessment, compared to a statewide average of 45-percent.



Addressing Varying Student Needs to Build Confident Learners

When teachers are supported by comprehensive, lesson-embedded guidance, they can create classrooms where every learner thrives. *Eureka Math² California* integrates Universal Design for Learning principles, language and terminology development, differentiation supports, and meaningful practice to provide equitable learning and lasting confidence for all learners.



Universal Design for Learning: Representation

Consider creating a three-column chart and, as partners share, recording each strategy. After all pairs have shared, compare the different organizations of the count, the methods for finding the total, and the efficiency of each strategy. For example, emphasize that each pair organized in a different way (by color, by 5-groups, and in rows of 10) and found the total in different ways (counted on, skip-counted, and used a known fact).



Teacher Note

Plan for what students should do when they finish counting their collection and recording how they counted:

- Try another way to organize and count.
- Switch collections with another student pair, and count to confirm the total.
- Explain their recording to another pair.
- Clean up and get another collection.

Embedded Teacher Guidance

Eureka Math² California instruction includes embedded margin notes throughout each lesson to clarify task purpose, anticipate potential misconceptions, and offer prompts for discourse and reasoning so that teachers are equipped to support all learners.



Promoting Mathematical Practice

Students look for and make use of structure as they decide how to organize their counting collections to make them easier to count.

Ask the following questions:

- What is another way to organize your collection that would help you count?
- How does what you know about counting by tens help you to count your collection?

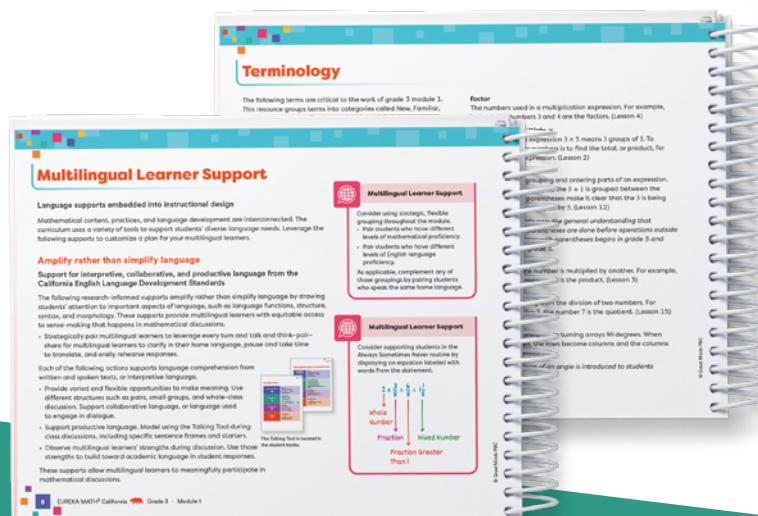


Multilingual Learner Support

The term *times* is associated with multiplication but not explicitly taught. Consider creating an anchor chart for the terms and symbols associated with multiplication (i.e., *multiplication*, *multiply*, *times*, and $\times$).

Language Support

Eureka Math² California embeds language supports throughout each lesson—including multilingual learner support, mathematical language routines, and terminology—to provide teachers with clear and practical strategies.



IMPACT INTEL



We didn't learn math this way, but our kids have a greater understanding of math than we did, and they can explain it."

– Jeanette Ramsey, Director of Teaching and Learning,
Northwest Public Schools Grand Island, Nebraska



Differentiation: Support

Students with fine motor delays may find it easier to use their fingers when they lay their hands flat on the desk or floor. The flat surface helps them hold out the fingers they want up and keep the others tucked in.



Differentiation: Challenge

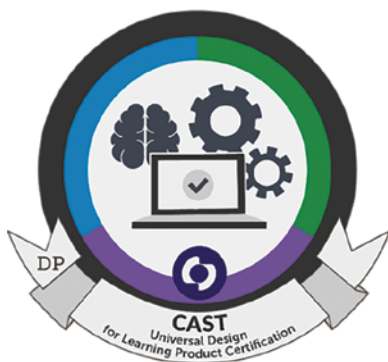
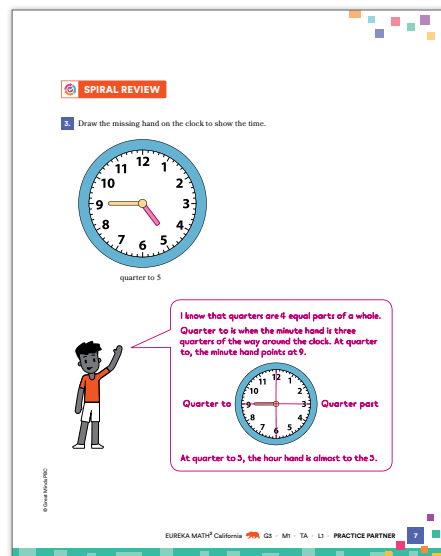
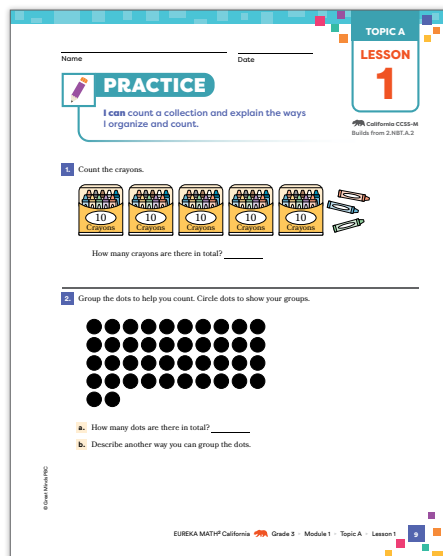
Students who demonstrate fluency adding within 10 can be challenged to add within 20. Encourage each partner to use both of their hands to show a number of fingers.

Differentiation Support

Teachers can build student confidence through lesson-embedded differentiation that allows the whole class to feel challenged and supported. These real-time instructional tools empower teachers to differentiate and address student needs immediately, without disrupting the flow of instruction.

Meaningful Practice

Through meaningful independent practice, *Eureka Math*² California provides interleaved practice, spiral review, and simple-to-complex problem sets that help students deepen understanding and confidently master mathematical concepts.



Universal Design for Learning

On top of *Eureka Math*² being awarded the CAST (Center for Applied Special Technology) Universal Design for Learning Product Certification, *Eureka Math*² California is the only math curriculum to receive a CAST certification for accessibility and product design.

We are advancing equity in math education—ensuring every learner can reach success with confidence.

 UDL: Engagement	 UDL: Representation	 UDL: Action & Expression	 Differentiation
Support motivation and enthusiasm	Support perception and comprehension	Support expression of learning and executive function enthusiasm	Offer additional support and provide challenge



Reach Every Learner

Universal Design for Learning principles remove barriers to learning.

Learner variability in math classrooms is expected, so *Eureka Math² California* ensures that all students are given the opportunity to engage and succeed by proactively removing learning barriers through incorporation of the Universal Design for Learning (UDL) principles.



Provide Multiple Means of Engagement

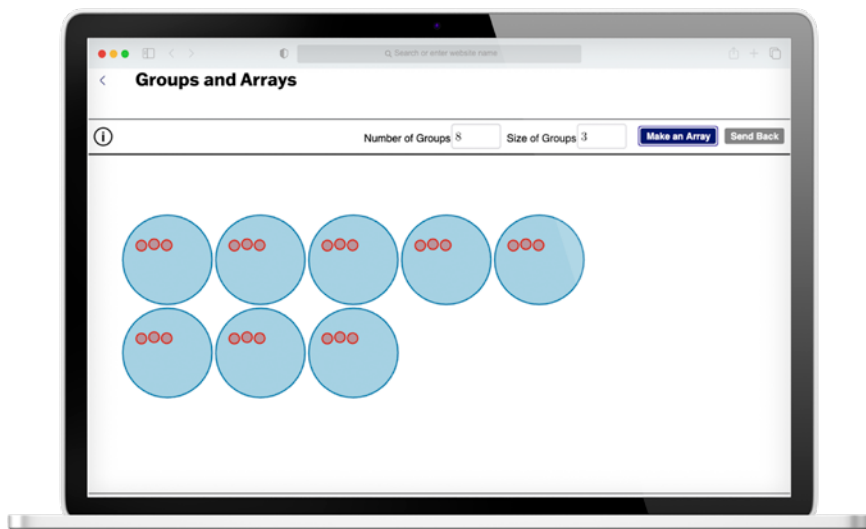
Learners are motivated in different ways. That's why *Eureka Math² California* supports all learners with choice, relevance, and routines that build ownership and confidence.

Support Learning Through Varied Representation

To ensure all learners have an entry point into the math, *Eureka Math² California* uses multiple strategies, tools, and models to present the content.

Encourage Multiple Means of Action & Expression

To support students in navigating their learning, *Eureka Math² California* provides flexible strategies and tools so all learners can show their understanding.



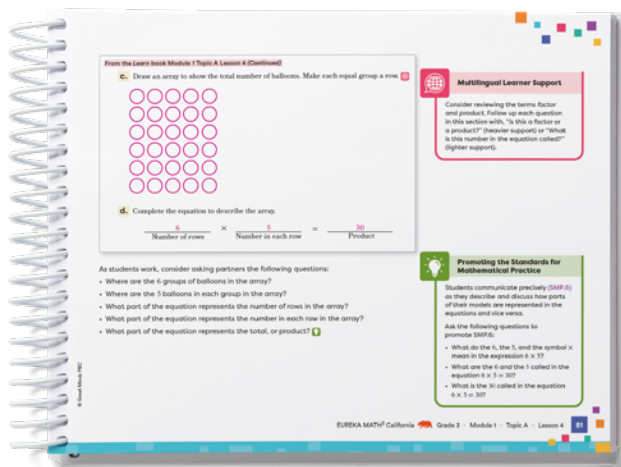
Universal Design for Learning: Action & Expression

Consider providing resources to support organization and alternatives that minimize fine-motor demands when students are required to draw arrays. Examples include the following:

- Provide lined paper to help draw circles in even rows.
- Provide stamp markers to create circles of the same size.
- Provide physical manipulatives, such as circle-shaped counters as an alternative to drawing.

Multilingual Learners: Supporting Every Voice

Strong math instruction integrates language development with every lesson. Math is not just about finding answers; it's about engaging in discourse where students reason, explain, and justify ideas using precise academic language.

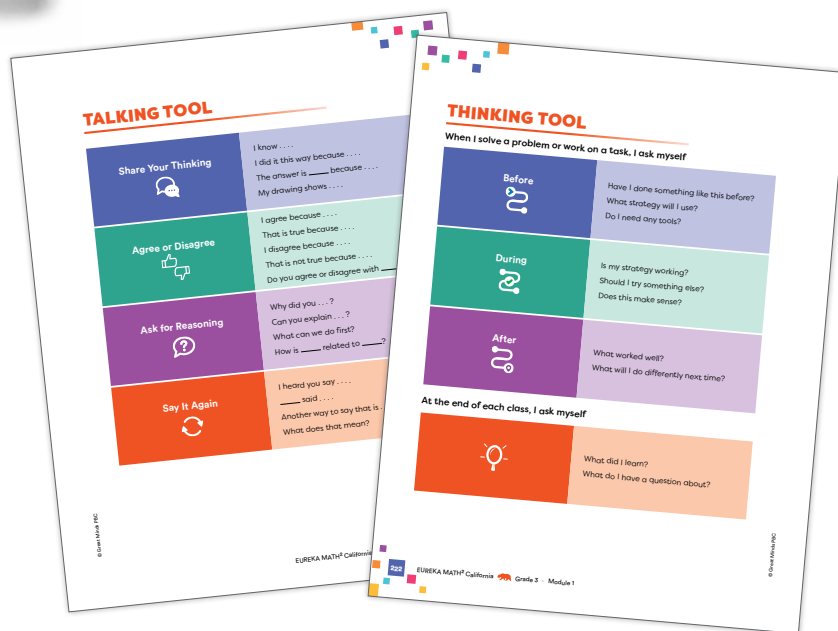


Using an Asset-Based Approach to Language Development

To empower each learner, *Eureka Math² California* provides clear language supports that are embedded into every module to honor students' home language and help them achieve math success.

Leveraging Language and Thinking Scaffolds

To build on students' strengths, *Eureka Math² California* includes a Talking Tool to support multilingual learners in discourse and language production while the Thinking Tool supports metacognition.



Utilizing Daily Language Objectives

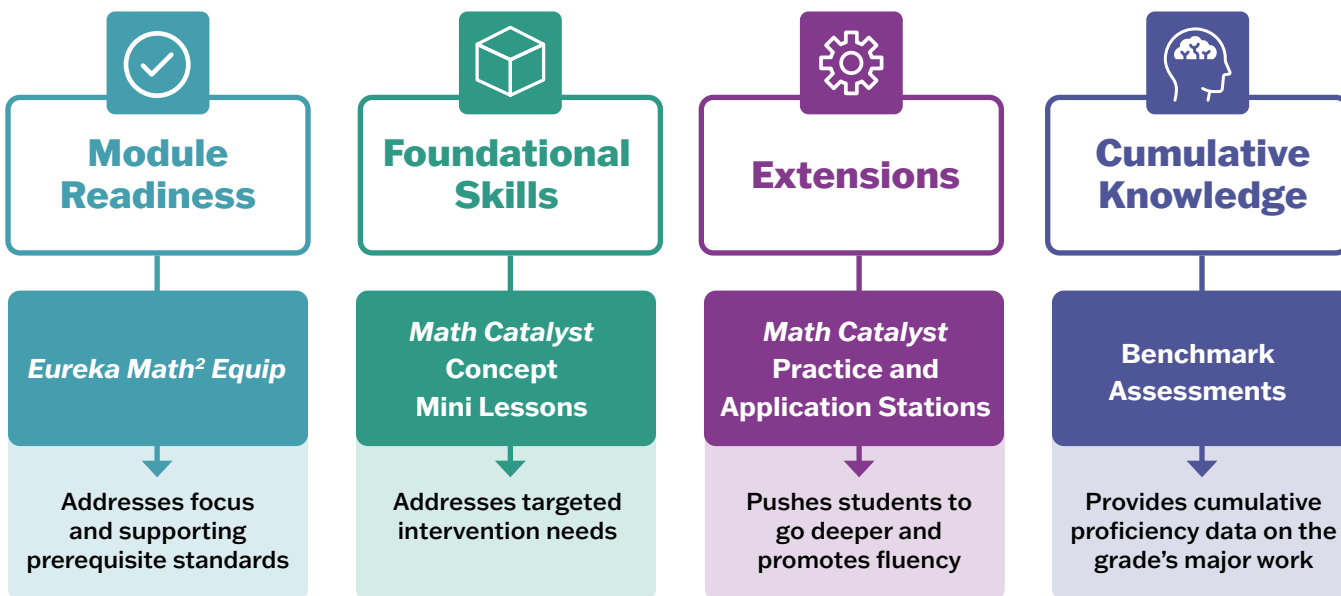
To help every learner develop their mathematical language, *Eureka Math² California* lessons identify the language objectives and instruction for domain-specific vocabulary and academic language development.



Data and Differentiation

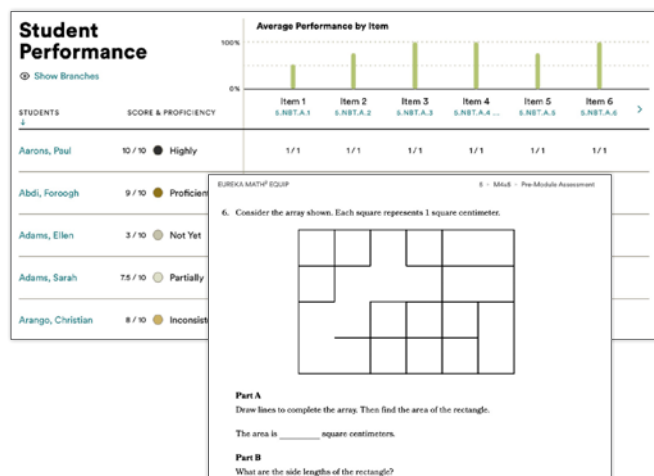
Eureka Math² California assessments are simple and flexible pathways that reflect classroom realities and respect teacher expertise. With *Eureka Math² Equip[®]*, *Math Catalyst[™]*, and Benchmark Assessments, teachers can collect data, monitor progress, and respond with targeted instruction.

Pathways to...



Clear Insight into Prerequisite Skills with *Eureka Math² Equip*

Before learning begins, a diagnostic assessment powered by *Eureka Math² Equip* provides teachers with a clear picture of students' readiness for upcoming modules. This pinpoints unfinished learning before gaps widen. *Eureka Math² Equip* includes digital premodule assessments, reporting tools, and acceleration plans to ensure all students are prepared for new instruction.



Benchmark Cumulative Proficiency

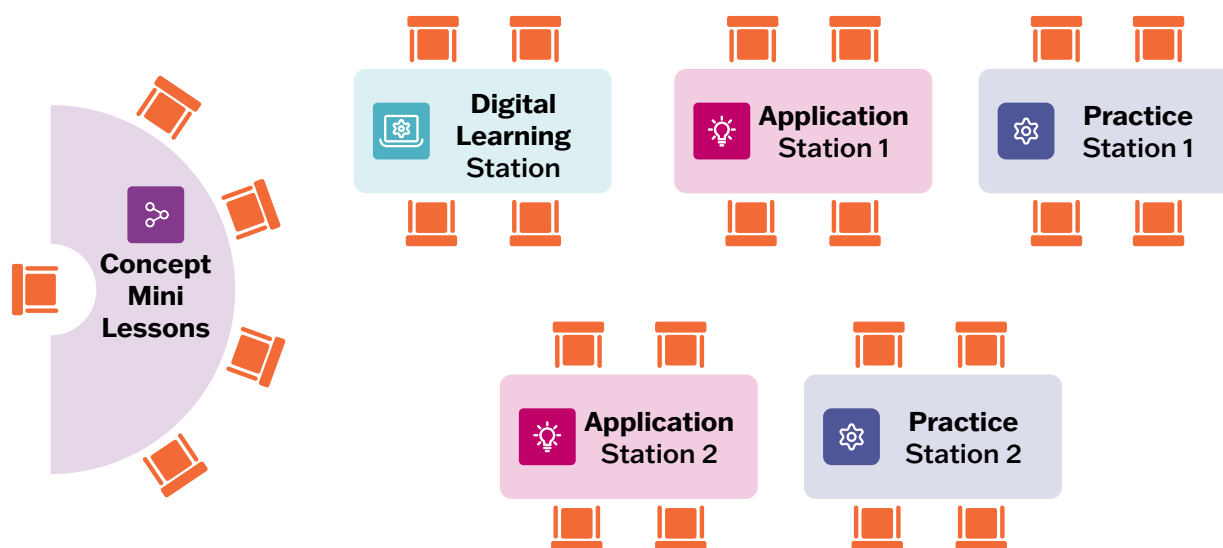
Benchmark Assessments make student growth visible over time. These assessments provide a cumulative view of proficiency, which demonstrates overall understanding. They are administered three times a year to assess learning across recent modules and the grade's major work.

Targeted Intervention with *Math Catalyst*

Math Catalyst provides teachers with targeted resources that reinforce and extend *Eureka Math*² *California* learning. It includes content across seven strands to reinforce K–5 standards.

Each strand includes a progression of concepts, and each concept includes the components, listed below, for use in small-group direct instruction and centers.

Concept Guide	Includes preparation material, student misconceptions, language supports, and family support	
Progress Check	Measures student proficiency to guide instructional decisions	
Concept Mini Lessons	Provides small-group instruction on 76 concepts across nearly 300 mini lessons	
Practice	Provides spaced retrieval, repetition, and spiral review opportunities	
Application	Provides opportunities for extension and building fluency and automaticity	





Assessment That Moves Learning Forward

Eureka Math² California incorporates a balance of assessment pathways designed to monitor student progress and guide instruction. With a variety of diagnostic, formative, and summative assessments, teachers receive data and insights that reduce the guesswork and strengthen their ability to deliver responsive, targeted, and effective instruction.



Formative Assessments

These built-in progress monitoring tools verify whether students are on track and provide teachers with quick information they can funnel into action to meet the needs of all their students.

Exit Tickets

Grade 1–Algebra I

- After each lesson, teachers see where every student stands, and students pause to reflect on their own learning.

Observational Assessment Recording Sheets (OARS)

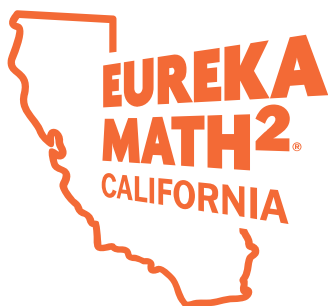
Transitional Kindergarten–Algebra I

- Teachers can use these sheets in every topic as a qualitative checklist that captures student progress on learning goals.

Topic Tickets and Topic Quizzes

Grade 1–Algebra I

- After each Topic, teachers can digitally assign Topic Quizzes and access real-time scoring and performance data to monitor student understanding.



Summative Assessments

These ready-to-use, standards-aligned tools measure application and proficiency with major concepts and skills, enabling teachers to assess not only what students know but also how effectively they can apply their learning in a variety of contexts.

Performance Assessment Kindergarten–Algebra I

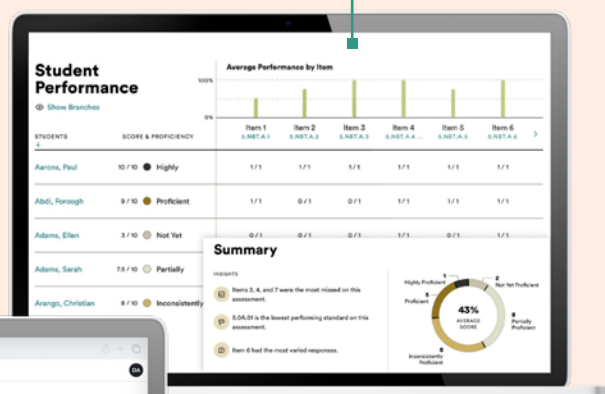
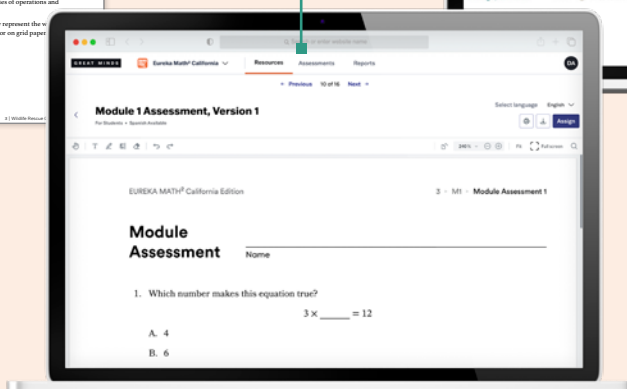
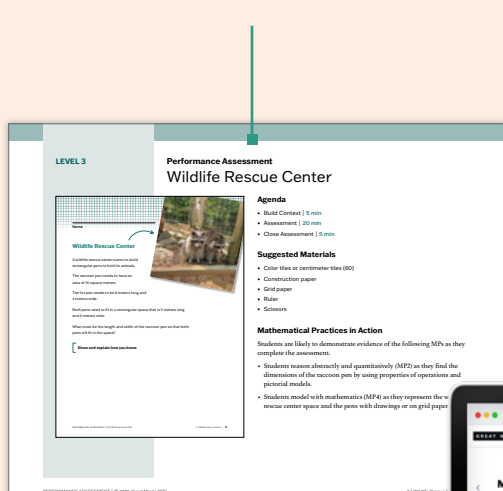
- Teachers can engage and assess students in high-interest, knowledge-rich scenarios that require students to apply their understanding and demonstrate real-world problem-solving skills.

Module Assessments Transitional Kindergarten–Algebra I

- At the end of each module, teachers can digitally assign assessments for grades 1 and up and aggregate results by standard to quickly identify strengths and areas for reteaching.

Assessment and Reporting

- Teachers can use the digital platform to assign and score assessments, track progress, and generate reports that provide clear visibility into class trends and individual student performance.



Where Partnership Meets Purpose

Educators deserve more than training—they deserve partnership. We don't just deliver professional learning; we build lasting confidence. Because when teachers feel confident, students thrive.

Through workshops, coaching, consulting, and on-demand tools, we help teachers deepen their practice, strengthen lesson execution, and build sustainable systems for growth. Every partnership is tailored to a district's evolving needs—whether launching a new program or refining established practices—with one shared goal: **lasting success for teachers and students.**



Unlock the Power of Professional Learning

Our hands-on, feedback-driven support helps teachers bring knowledge-rich instruction to life, ensuring every student experiences the joy of learning deeply.

We partner with schools and districts to design implementation support plans that meet unique needs while engaging teachers, school leaders, and instructional coaches in shared growth.

Professional Learning Services



Workshops

Foundational, curriculum-aligned learning experiences



Coaching

In-context, hands-on support to tailor instruction and sustain implementation



On-Demand Learning

Flexible, self-paced learning options



Professional Learning Communities (PLCs)

Collaborative sessions for continuous improvement

On-Demand Professional Learning

The Great Minds digital platform features a comprehensive Knowledge Hub with access to robust pedagogical tools. With more than 150 videos designed to support teachers, educators can access on-demand support through the following:

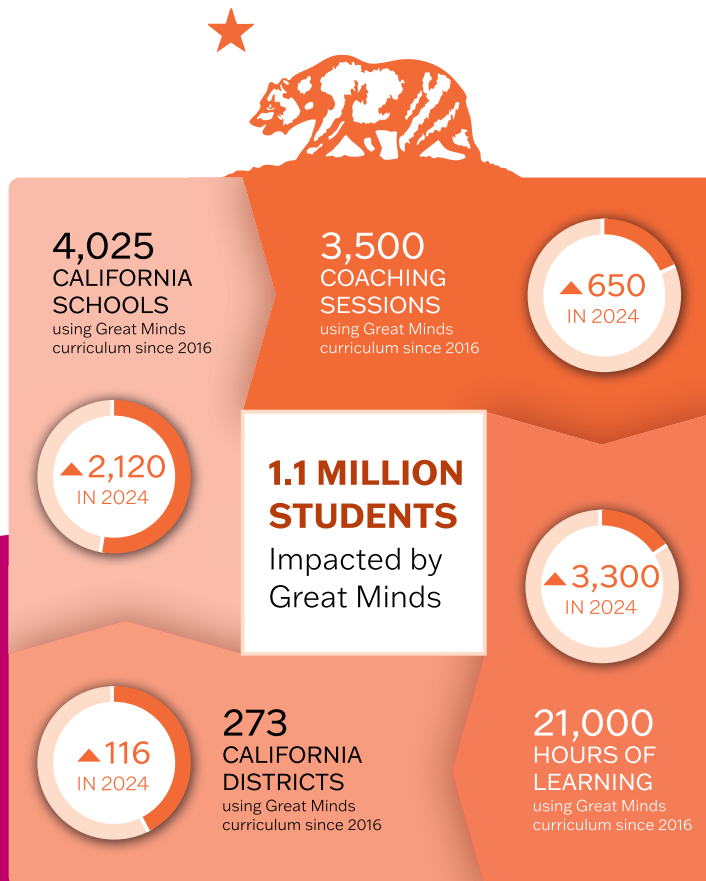
- **Implementation videos and guides** that walks through a successful program rollout
- **Coherence videos** that highlight connections across models, topics, and grade levels
- **How-to videos** that model effective lesson execution
- **Routine videos** that demonstrate high-leverage instructional practices
- **Culturally Responsive Teaching videos** that provides guidance to create an equitable learning environment

Great Minds provides feedback-rich, curriculum-aligned support that grows with your team over time. Every experience builds confidence, deepens expertise, and drives sustainable success across classrooms, schools, and districts.

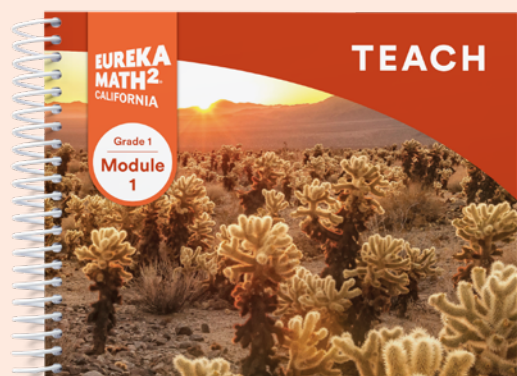


IMPACT INTEL

! Great Minds has impacted nearly 2.7 million students.



Inside *Eureka Math*² California Components

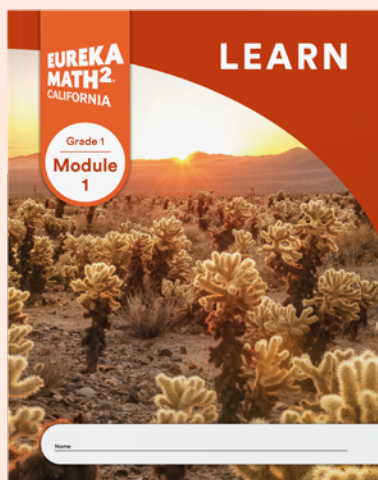


Teach

TEACHER EDITION

The *Teach* book empowers teachers with the tools and guided instruction they need to meet every student's learning needs.

- Six modules per grade level
- Fluency-Launch-Learn-Land design
- Universal Design for Learning supports

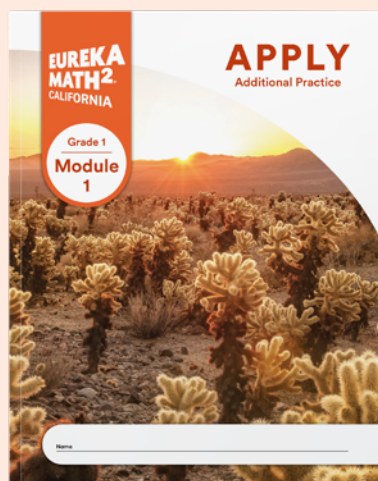


Learn

STUDENT EDITION

The student *Learn* book correlates seamlessly with the structure of each lesson.

- Classwork lesson pages
- Practice Partners and Practice Sets
- Exit Tickets with Self-Reflection



Apply

ADDITIONAL PRACTICE

The *Apply* book helps deepen understanding through family support and independent practice activities for Grades 1–5.

- Lesson-aligned practice
- Spiral review
- Family letters and at-home activities



- Lesson presentation slides
- Module, topic, and lesson resources
- Digital interactives
- Data and Differentiation
 - *Eureka Math² Equip*
 - *Math Catalyst*
 - Benchmark Assessment
- Digital assessments and reporting
- Data Talks and Data Investigations
- Implementation and context videos
- Professional development videos



- Module, topic and lesson resources
- Assigned Topic Quizzes
- Assigned Pre-Module Assessments
- Lesson videos
- Assigned Module Assessments
- Practice problems



- Grade-level kits
- Online virtual manipulatives

Designed for Deeper Thinking— Built for Greater Growth

Eureka Math² California is committed to the belief that every student is capable of greatness. When instruction is coherent, engaging, and intentionally designed, students develop a lasting understanding of mathematics.

Eureka Math² California brings this to life through



coherence
that makes
learning stick,



cognitive engagement
that builds rich
understanding, and

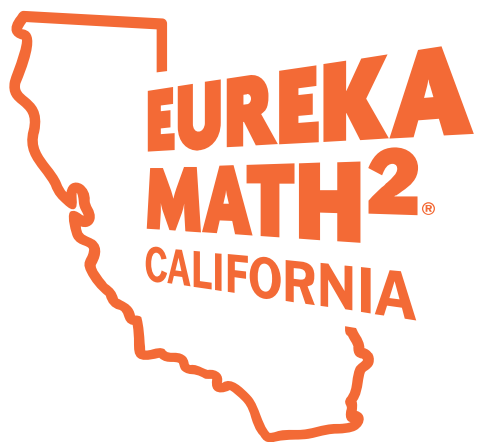


confident learning
that helps every
student thrive.





! Get ready to create the
“aha!” moments that lead
to greater growth.



To learn more visit
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