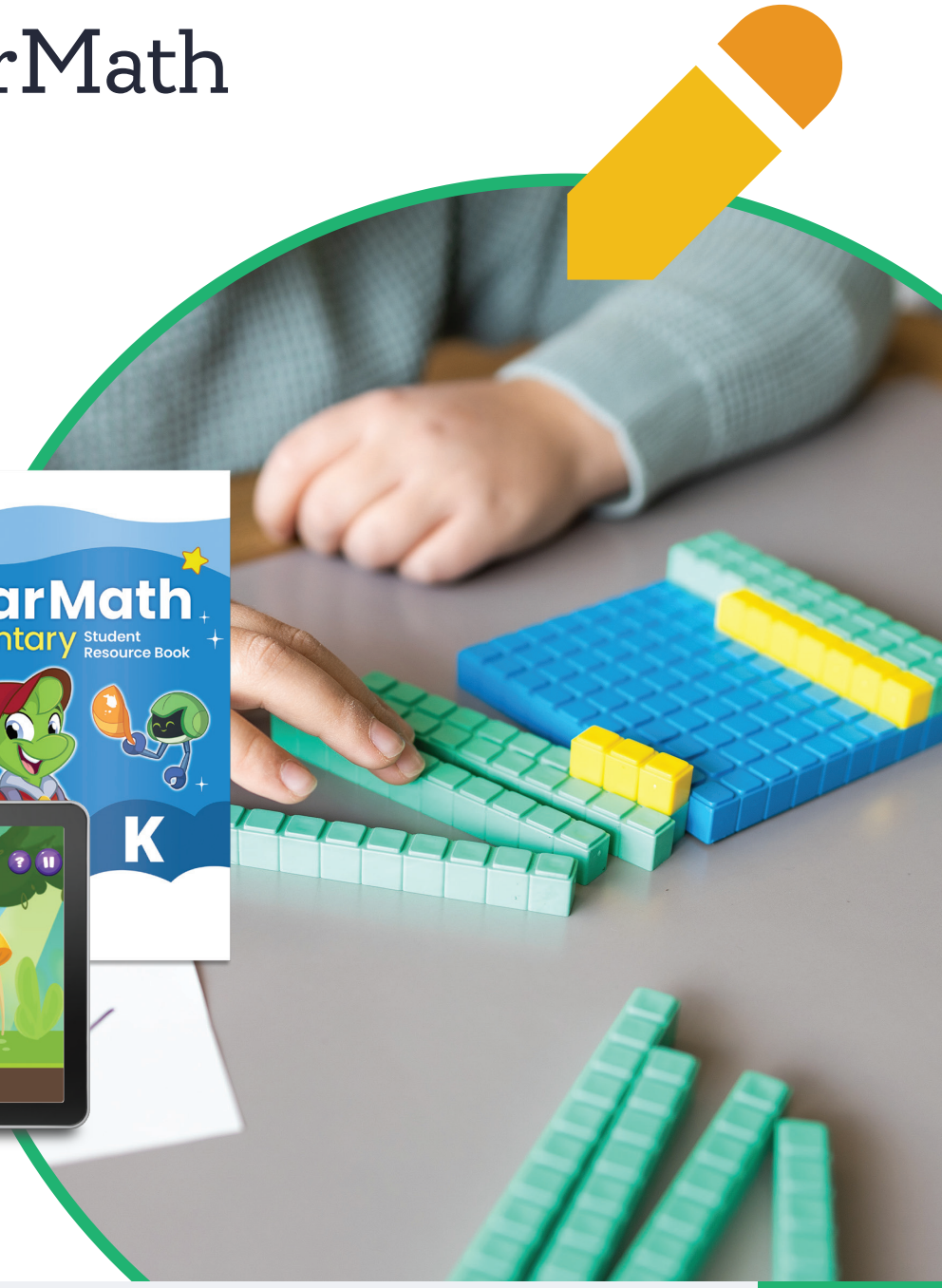
CARNEGIE LEARNING

Program Overview

Georgia ClearMath Elementary

First Edition



Core Mathematics for Grades K–5

Built for Today's Elementary Classrooms

- Meaningful play that develops deep mathematical understanding and a joy for learning
- Fosters the Georgia Mathematical Practice Standards through daily opportunities for reasoning, problem solving, communication, and perseverance
- Embedded language and instructional supports that help every student access and engage with grade-level mathematics
- Includes ready-made Explore Centers that help teachers clarify, solidify, and extend learning based on student needs
- MATHia® Adventure game-based fluency practice
- Robust assessment tools that measure, inform and empower student learning

Play together.
Think together.
Learn together.

Powered by Play

Math that moves, explores, and connects.

Re-imagine the math classroom as a place where meaningful play taps into young learners' curiosity and ignites a love of mathematics.

Engaging lessons, centers, game-based online learning, and instructional supports encourage investigations and discoveries that develop inventive and persistent thinkers.

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Carnegie Learning ClearMath Solutions

What is ClearMath Elementary?

ClearMath Elementary is a comprehensive core solution aligned to the Georgia Mathematics Standards that leverages—and fosters—students' natural interest in learning. It balances the development of conceptual understanding, procedural fluency, and productive habits of mind in children.

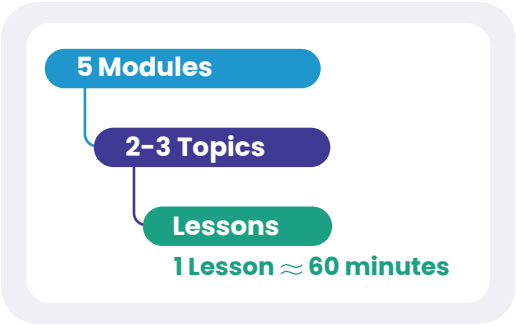
Students develop math confidence through hands-on lessons, games, centers, and game-based software. As they explore, talk about math, and learn from each other, young learners have the freedom to focus on the journey of mathematics, rather than just the solution.

A suite of implementation notes, embedded supports, and assessments empower teachers to facilitate high-quality instruction for a community of diverse learners—ensuring their math confidence will soar.

Our Instructional Approach

Built for deep understanding

Learning doesn't happen all at once. ClearMath Elementary is designed around a unique instructional rhythm that balances new learning with meaningful opportunities to reflect, revisit, and strengthen understanding. Through **Concept Lessons** and **Re-Engagement Lessons**, students build deep mathematical understanding while teachers gain real-time insight into student learning.

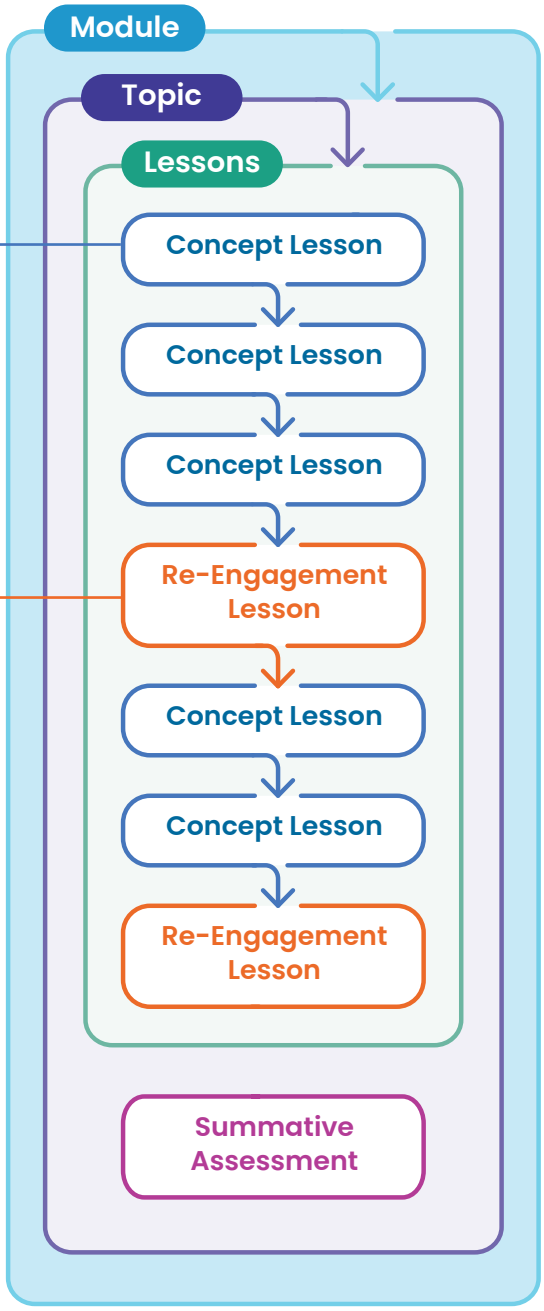


Concept Lessons: Making Sense of the Standards

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 ClearMath Elementary, 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

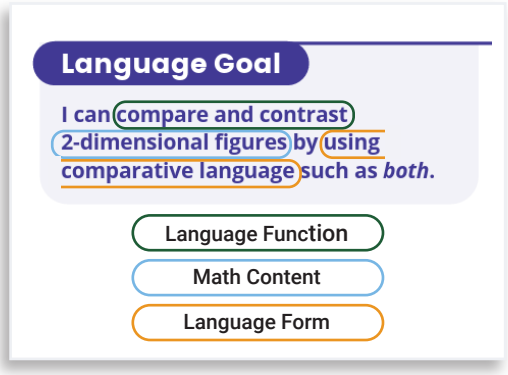
This built-in support helps every student move forward confidently, closing opportunity gaps before they widen and keeping the classroom community moving forward together.

Access for All

ClearMath Elementary is designed to support every Georgia student. That means embedded language supports, intentional differentiation, and multiple ways to engage with and demonstrate learning.

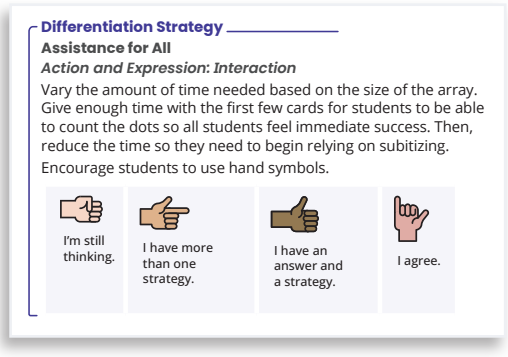
Support for English Learners (ELs)

Lessons include Language Links to help English learners engage in meaningful discourse. The **Language Support Handbook** provides teachers with language goals, sentence frames, tiered vocabulary, and strategies for using visual and physical models to build comprehension.



Multiple Ways to Make Meaning

Math isn't just numbers on a page. Students make sense of it in all kinds of ways: talking it through, listening to a peer explain their thinking, reading a word problem, writing out a solution, using their hands, pointing at a diagram, moving around a manipulative, or even acting something out. And for multilingual students, that includes drawing on every language they speak, not just English.

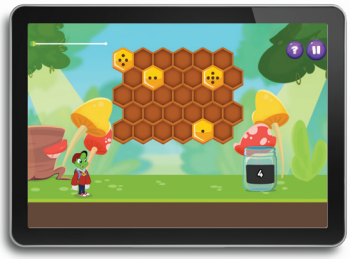


Supportive Classroom Communities

Building relationships within the classroom community and supporting students to communicate and manage their emotions effectively can positively affect students' success in school. Games and collaborative learning support motivation, relationship skills, self-regulation, and a sense of belonging.

Predictable Routines, Responsive Support

A consistent Activate, Explore, Reflect lesson structure, embedded Differentiation Strategies, and Re-Engagement Explore Centers provide structured opportunities for students to access, deepen, and extend their understanding.



A Program That Sees Every Student and Supports Every Teacher

ClearMath Elementary 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
- Embedded language supports 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 ClearMath Elementary—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.

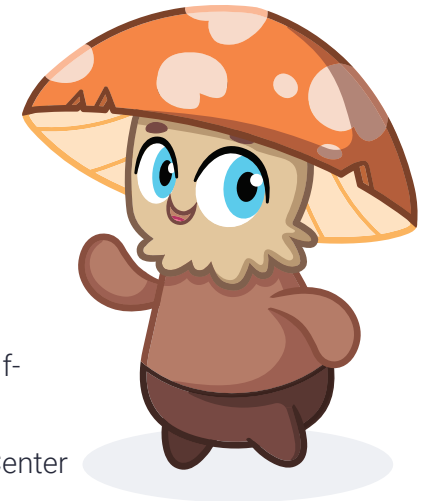
Tools Tailored to Georgia Teachers

ClearMath Elementary gives Georgia teachers ready-to-use tools that simplify planning and support confident instruction.

Tools that work as hard as teachers do.

Your Teacher Toolkit Includes:

- ✓ **Lesson Overviews** that identify key mathematical ideas and where to pause, reflect, and extend
- ✓ **Planning and pacing resources** aligned to the Georgia Mathematics Standards
- ✓ **Embedded language supports** within lesson facilitation notes
- ✓ **Instructional Strategies** that guide facilitation and support every learner
- ✓ **Centers and games** that promote collaboration and discourse
- ✓ **Ongoing formative and summative assessments** that guide next steps
- ✓ **State-specific supplemental resources** that ensure full coverage of the Georgia Mathematics Standards
- ✓ **Support for executive functioning skills** such as working memory, attention, self-regulation, and cognitive flexibility
- ✓ **Professional learning and planning tools** available 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 ClearMath Elementary 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 and principal to the students who won't stop talking about it.

discover.carnegielearning.com/edison-testimonial

Assessment That Drives Learning, Not Just Measures It

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

Assessment Types Aligned to the Georgia Mathematics Standards

Assessment OF Learning	Assessment FOR Learning	Assessment AS Learning
Course-Level Assessments	ReadyCheck Assessments	Reflect and Summarize
End-of-Topic Assessment	Purposeful Questions	My Just Right Problem
	Ongoing Assessments embedded in the teacher facilitation notes	I Can Statements
	Planning to Re-Engage Tools	MATHia Adventure Data
	Progress and Standards Reports	
	MATHia Adventure Insights	

Smart Pauses Make All the Difference

Because knowing when to pause is powerful.

ClearMath Elementary'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

Lesson 1 Modeling Addition with Base-10 Blocks

My Just Right Problem

Reflect Making Wonder Wheels

Read the story. Then, answer each question and explain your thinking.

The Wonder Wheel Factory has 345 wheels in stock. On Friday, the factory makes 3 packages of 10 wheels and 7 loose wheels.

1. How many wheels did the factory make on Friday?

2. How many wheels did the factory have on Friday after they made the new wheels?

3. How many new wheels does the factory need to make on Saturday to have a total of 400 wheels?

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Choose the problem that feels just right for you and fill in the star.

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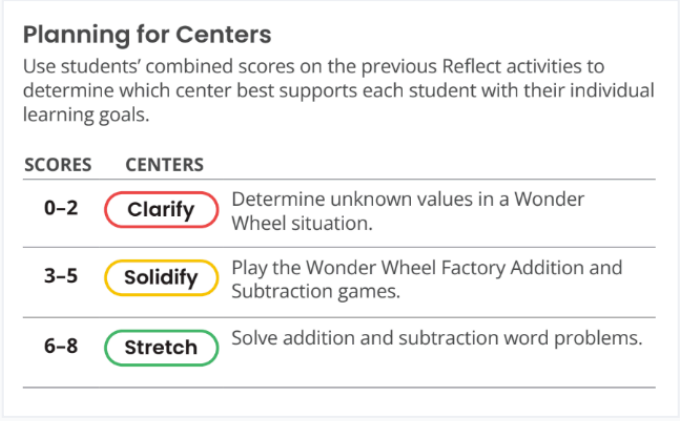


Planning for Centers

Use students' combined scores on the previous Reflect activities to determine which center best supports each student with their individual learning goals.

SCORES	CENTERS	
0–2	Clarify	Determine unknown values in a Wonder Wheel situation.
3–5	Solidify	Play the Wonder Wheel Factory Addition and Subtraction games.
6–8	Stretch	Solve addition and subtraction word problems.

After every two-to-four Concept Lessons, teachers use Reflect activities to gather quick, actionable insights. Planning for Centers in the facilitation notes helps 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 ClearMath Elementary. It puts powerful tools at your fingertips—so you spend less time searching and more time teaching.

Plan

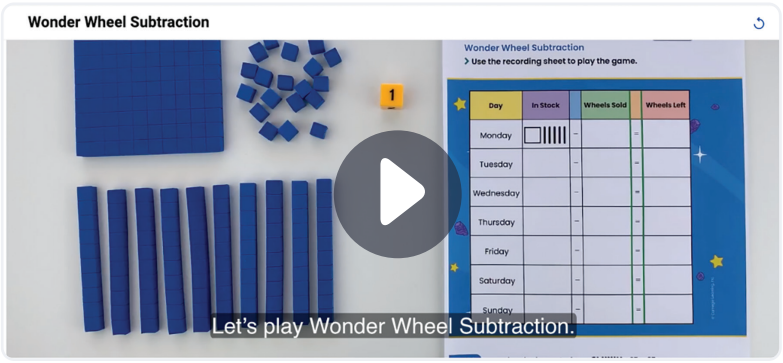
Everything you need to launch meaningful instruction is just a few clicks away.

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

Engage

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

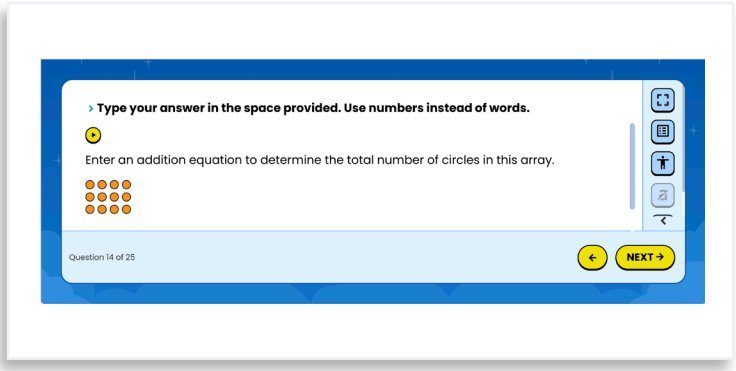
- **Student-facing materials,** including digital versions of games, Explore Centers, and student books
- **Embedded language supports** and questions to support discourse
- **Daily Math Routines** that build problem-solving and mental math fluency
- **How to Play Videos** that provides instructions for the games



Assess

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

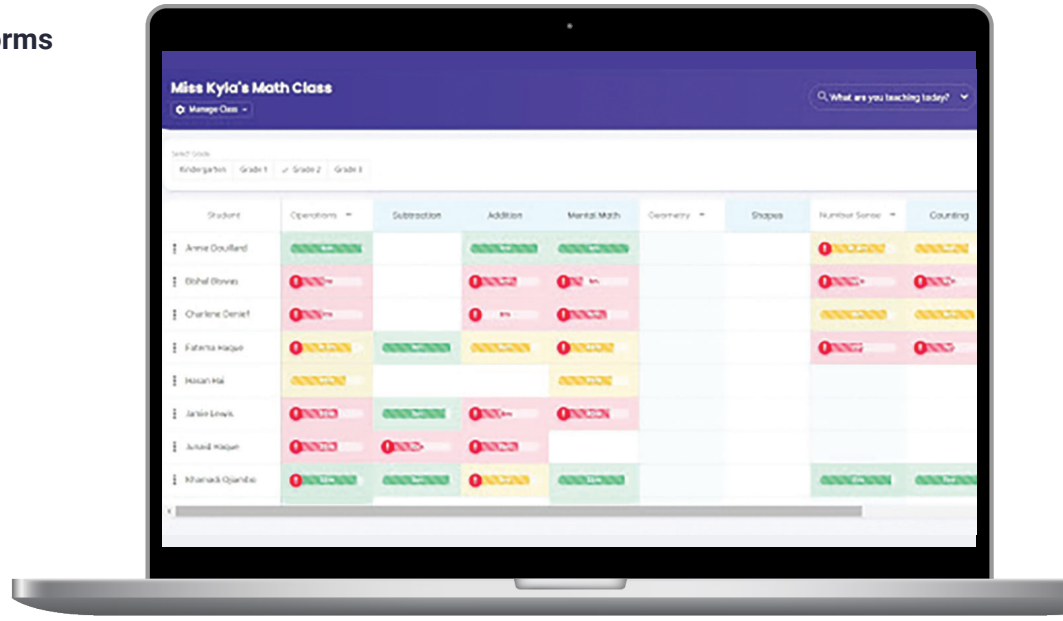
- Access ReadyCheck and End-of-Topic Assessments
- Assign **Interactive Assessments** with technology-enhanced Items
- Track **student reflections** and growth over time



Use Data to Drive Decisions

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

- Analyze real-time **assessment data and MATHia Adventure reports** to identify learning needs
- Turn classroom observations into targeted re-engagement strategies
- Support responsive instruction with data that reflects growth and informs next steps



PROGRAM COMPONENTS

Teacher Resources

Plan, teach, differentiate, and grow—all in one place

ClearMath Elementary was built for real teachers in real classrooms. Every component, print and digital, is designed to save you time and help you bring math to life. From planning tools and ready-to-teach slides to re-engagement resources and assessment guides, ClearMath Elementary gives you the structure, flexibility, and support to keep the focus where it belongs: on student learning.

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 learning and language goals
- Lesson Structure and Pacing Guides
- Lesson Facilitation Notes with Embedded Supports

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
- Instructional Strategies
- Language Support Handbook
- Georgia Supplemental Lessons

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-Topic
- ReadyChecks
- Lesson-Level Formative Assessments and Progress Monitoring Tools
- Reporting and Data Insights
- Targeted Instruction Recommendations and Resources

Support Tools

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

**Available as an add on*

PROGRAM COMPONENTS

Student Resources

Designed for engagement and deep understanding

In ClearMath Elementary, students don't just learn math. They explore, play, and take ownership of it. Working from their printed book, solving challenges in MATHia Adventure, or revisiting concepts through centers and games, every component is built to help students connect, reflect, and grow. With multiple entry points, rich visuals, and purposeful practice, our solution 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 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

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 Georgia

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 are able to think, learn, and do their best.

How do we know that every student is a math person?

We've got more than 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.

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Continue your exploration here:

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