CARNEGIE LEARNING

CLEAR Math®

ClearMath Elementary

Play together. Think together. Learn together.

K–5 Core Math Solution

Program Overview

Powered by play

Re-imagine the math classroom as a place where meaningful play taps into young learners' curiosity and ignites a joy of learning. Engaging lessons, centers, game-based online learning, and instructional supports encourage investigations and discoveries that develop inventive and persistent thinkers.

What is ClearMath Elementary?

ClearMath Elementary is a comprehensive core solution 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.

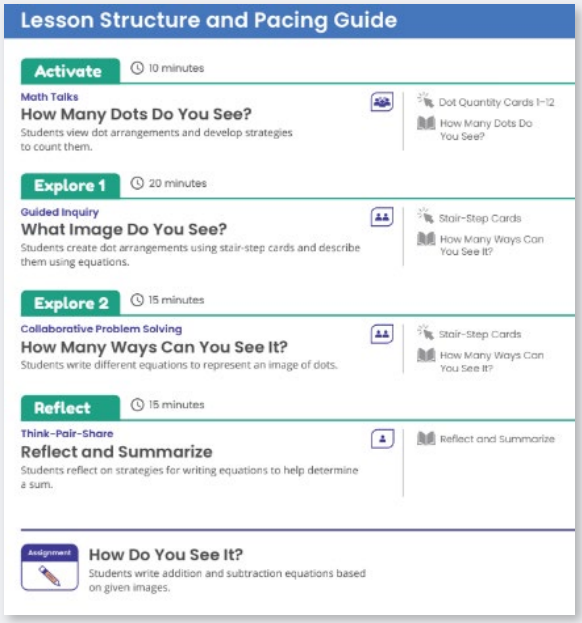
Students develop math confidence through hands-on lessons, collaboration, games, centers, and the game-based software MATHia® Adventure. As they explore, talk about math, and learn from each other, young learners have the freedom to focus on the journey of mathematics, rather than just the solution.

A suite of implementation notes, embedded supports, and assessments empower teachers to facilitate high-quality instruction for a community of diverse learners.

Tools tailored to teachers

ClearMath Elementary offers instructional supports designed with teachers in mind, ensuring they can implement with ease, and more importantly, teach with confidence.

A structured series of lessons allow teachers to engage students with new concepts, supported by point-of-use facilitation notes, planning and pacing resources, and recommendations for re-engagement.



Results rooted in research

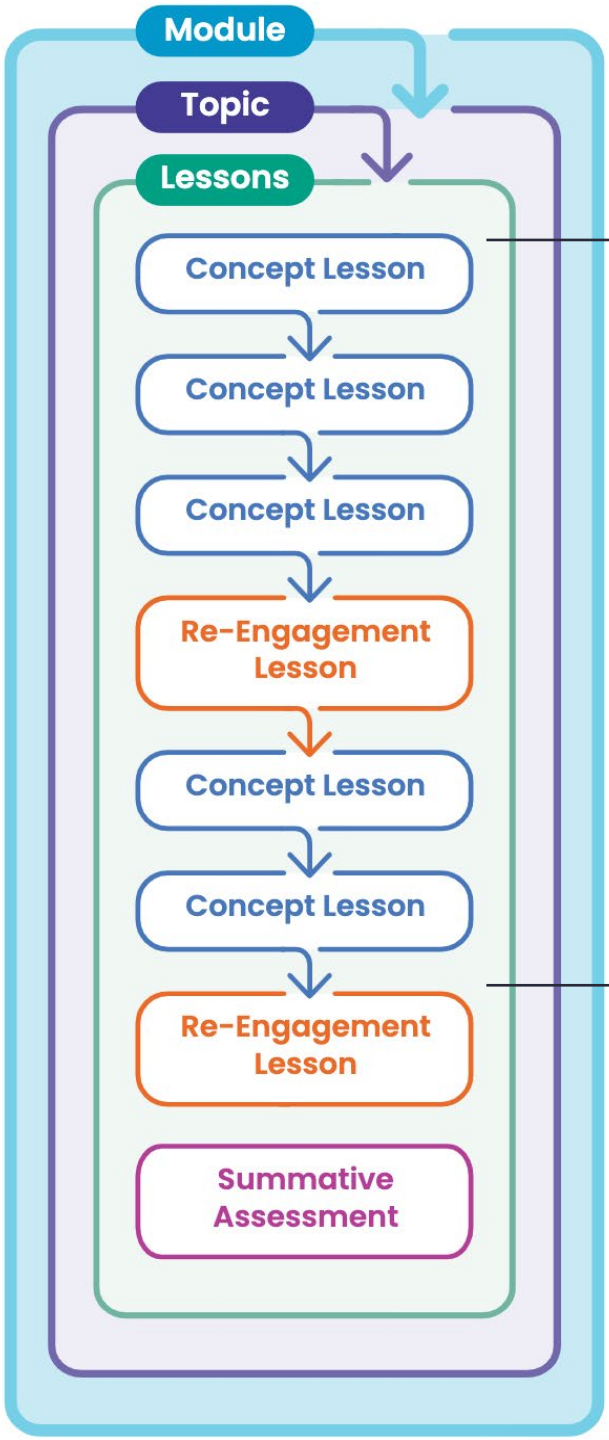
ClearMath Elementary nurtures children into high-achieving, creative math thinkers with a research-backed approach focused on how learning occurs.

Intentionally developed lessons strengthen executive functioning skills and allow students to transfer new knowledge outside of a single concept, giving them a deep understanding of math and how it appears in the world around them.

A re-imagined approach

ClearMath Elementary's instructional model combines practical instruction with "minds-on" practice and meaningful play to develop conceptual understanding that lasts.

Students learn new concepts and skills over a series of lessons and then pause to reflect on their learning.



In **Concept Lessons**, students engage in new learning. They explore math with their teacher via hands-on and game-based activities to develop conceptual understanding and see how it appears in everyday life. Teachers have the opportunity to collect data to plan for upcoming Re-Engagement lessons.

Power of the Pause

Ensure students are keeping up, not catching up.

Re-Engagement Lessons use ready-made Explore Centers, including MATHia Adventure, in order to allow students to pause to clarify, solidify, or stretch their learning. Center recommendations are based on assessment data and aligned with each lesson's goals.

More math moments

With creative problem-solving, daily mental math routines, and imaginative MATHia Adventure digital games, mathematical thinking is intentionally interwoven throughout the day to make meaningful learning happen anytime—not just when it's scheduled.

Daily Math Routines

Headline Stories include an open-ended problem that promotes creative problem-solving and deductive reasoning.

Mental Math routines are highly focused exercises that build mastery and skill fluency in critical arithmetic foundations.

MATHia Adventure

Inspired by how children see the world, MATHia Adventure unites play and pedagogy like no other digital learning solution.

Students play in a supportive digital environment where they're having fun—not worrying about making mistakes. Instead, feedback and game-based incentives motivate them to stretch their math skills.

As students explore new worlds in Zorbit's Math Adventure and Mathstoria, teachers get real-time data insights in the Clear Learning Center to inform their next instructional steps.

Assessment that guides instruction

Understanding how students learn and grow is an essential component of any classroom—that's why ClearMath Elementary incorporates assessment as a regular part of the instructional cycle.

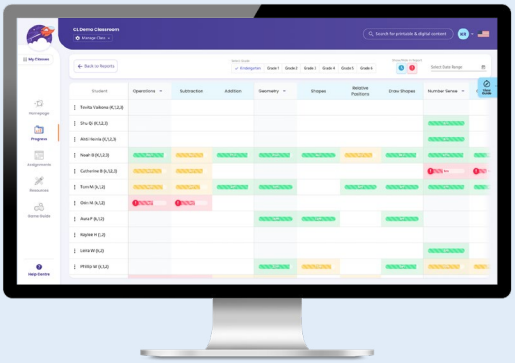
ClearMath Elementary delivers a variety of assessments, supported through two-way communication between observation and student self-assessment, situated before, during, and after the learning experiences. Teachers can flexibly monitor student progress when and how it's best for their classroom to drive real-time adjustments, next steps, insights, and measurements.

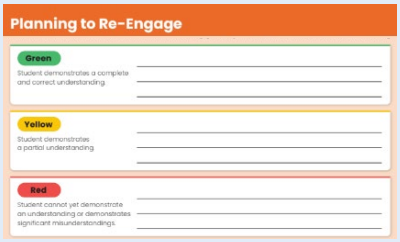
Teacher Data Collection

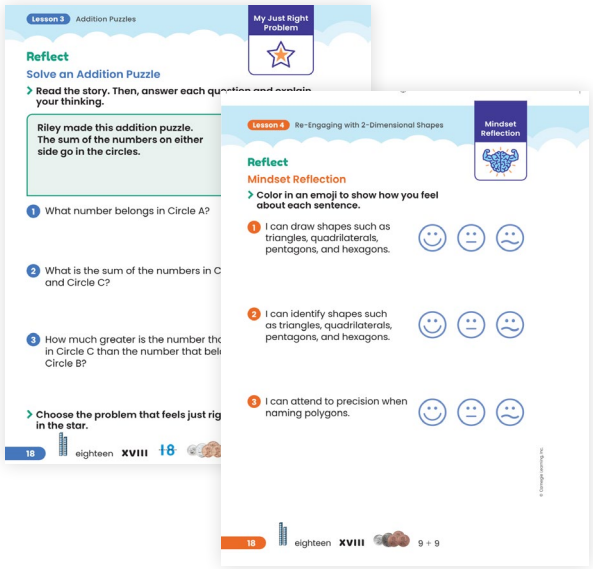
MATHia Adventure Reports: Online reports that highlight student progress and offer suggestions for areas of additional support.

Planning to Re-Engage: An assessment tool to record daily student self-reflection scores and observations.

Planning for Centers: Use scores from reflect activities and observations to place students in the explore center that best supports their learning goals.







Student Self-Reflection

My Just Right Problem: Three related problems that allow student choice and help build confidence.

Mindset Reflection: Encourage students to reflect on learning goals and celebrate progress.

ClearMath Elementary components

Teacher Resources

Teacher Implementation Guide (TIG)
Available in print and digitally

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
  - Embedded Supports
    - Questions to support discourse
    - Differentiation strategies
    - Common misconceptions
    - Developing mathematical language
    - Multilingual learner support
    - Teacher stories

Clear Learning Center

Digital access to resources for planning and implementation support.

- Interactive digital instructional materials
- MATHia Adventure
- Class and student-level reports
- Facilitation notes for Daily Math Routines
- Additional lesson resources

Assessments
Available digitally (Grades 3–5) and PDF (all grades)

A suite of asset-based assessments used to support each student at their individual learning level.

- Progress monitoring
- Readiness
- Formative
- Summative

Manipulative Kits

Grade-level kits include manipulatives to support learning.

Professional Learning

Videos to support game-based learning and easy access to our team of professional learning facilitators ensure that you never feel alone on your implementation journey.

Student Resources

Student Resource Book (SRB)
Available in print and digitally

Student Resource Books are an all-in-one tool for learning and self-reflection.

- Topic Introductions
- Concept and Re-Engagement Lessons
- Assignments

MATHia Adventure

A game-based learning software to use during Explore Centers and free play.

- Zorbit's Math Adventure (K–3)
- MATHstoria (4–5)

Student Practice Book
Available in print and digitally

Student Practice Books reinforce each lesson's concepts and support learning at home.

- Lesson practice pages
- Family guides for each topic

Videos

How-to videos assist students and caregivers in playing games and utilizing manipulatives and tools.

Explore the full print and digital solution here:

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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.

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