



ClearMath Elementary

Second Edition





Built for Today's Elementary Classrooms

- ✓ Meaningful play that develops deep mathematical understanding and a joy for learning
- ✓ Fosters mathematical habits of mind 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
- ✓ Perfect scores across all three EdReports gateways

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 **joy of learning**.

Engaging lessons, Explore Centers, game-based learning, and collaborative experiences encourage students to investigate, make connections, and **discover** mathematical ideas for themselves. By tapping into how children naturally learn, ClearMath Elementary helps students **develop confidence**, creativity, and the habits of mind that **support lifelong** mathematical thinking.



What is ClearMath Elementary?

ClearMath Elementary is a comprehensive K–5 math solution that helps every student build understanding, fluency, and confidence in mathematics.

Through rich instruction, purposeful opportunities to revisit learning, engaging routines, and award winning MATHia Adventure, students develop deep mathematical understanding while building the problem solving skills needed to persevere through challenges and solve problems creatively.

For teachers, embedded language supports, point-of-use instructional guidance, and ongoing assessment opportunities make it easier to respond to student learning and support every learner. The result is a student-centered approach that balances conceptual understanding, procedural fluency, and the joy of discovery.



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.

Lessons feature:

- **Activate and Reflect Opportunities**
Spark curiosity, encourage sense-making, and reveal student understanding.
- **Explore Activities**
Invite students into hands-on learning through analog games, investigations, and puzzles that deepen conceptual understanding and spark curiosity.
- **Embedded Formative Assessment**
Provide ongoing evidence of learning so teachers can adjust instruction in the moment.
- **Daily Math Routines**
Extend mathematical thinking beyond the lesson and help students make connections across concepts.

Concept Lessons

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

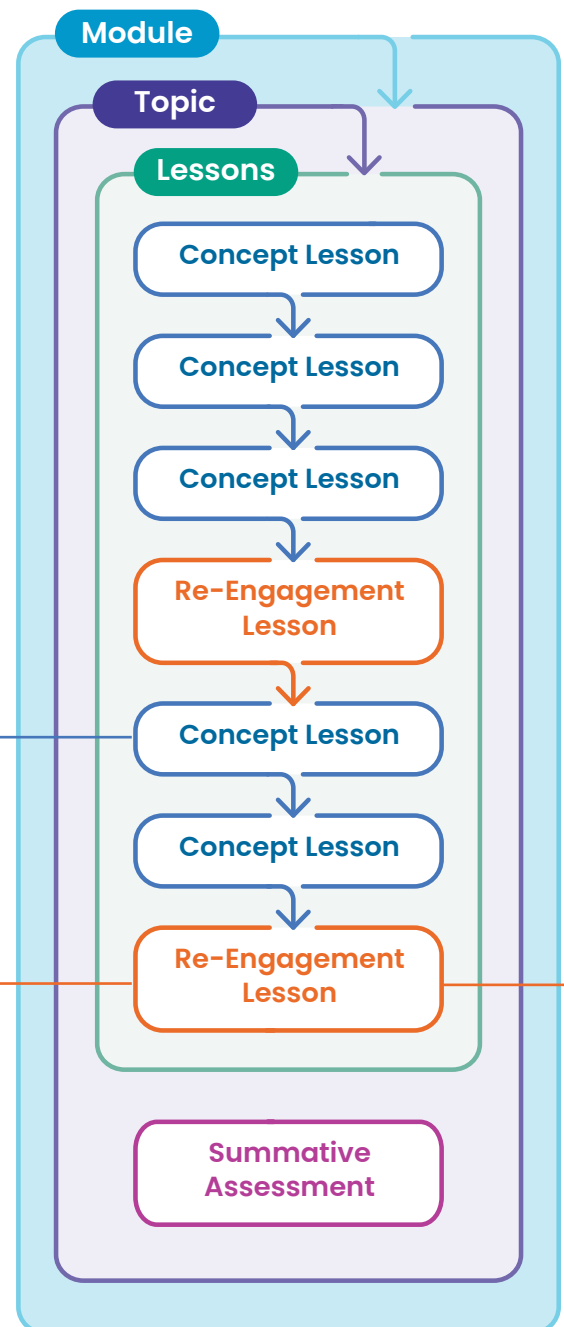
Re-Engagement Lessons follow every two-to-four Concept Lessons. These intentional pauses give students space to reflect, revisit misconceptions, and solidify ideas so no one falls behind.

5 Modules

2-3 Topics

Lessons

1 Lesson $\approx$ 60 minutes



The Power of the Pause

Connected tools that make concepts stick

Every pause is a purposeful opportunity to strengthen learning. Our **Teach-Teach-Pause** approach builds that intentionality directly into the learning cycle, helping teachers respond to student needs in the moment using evidence gathered during instruction, strengthening understanding before misconceptions become barriers to future learning.

At the heart of every Re-Engagement Lesson are Explore Centers, purposeful learning experiences that provide targeted support, meaningful practice, and opportunities for deeper thinking based on students' needs. Instead of waiting for gaps to grow, teachers can provide just the right support at just the right time, helping every learner move forward with confidence.

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.

Keeping up is better than catching up

Traditional intervention often happens after students have fallen behind.

Our solution takes a different approach. By intentionally building opportunities to pause, reflect, and respond within the instructional cycle, teachers can address misconceptions and help students stay connected to new learning.

Because these supports are built directly into the instructional pacing, every student has the opportunity to move forward with confidence and achieve grade-level understanding.

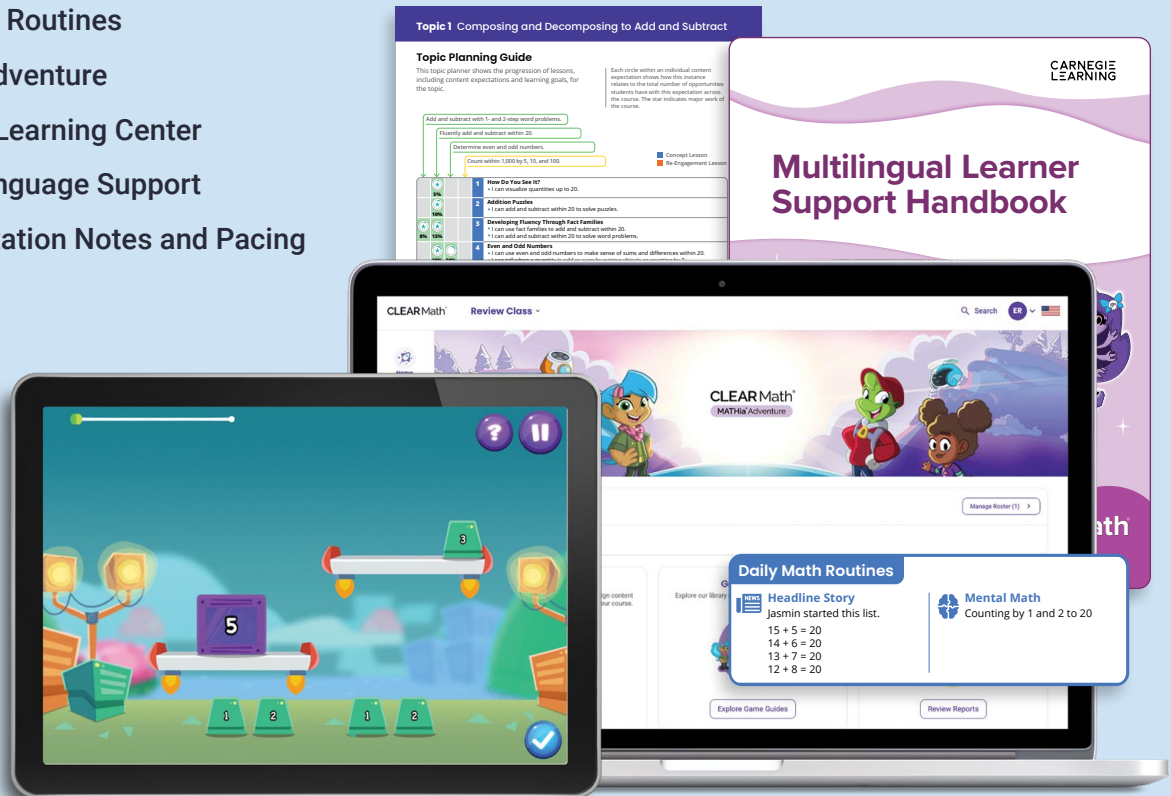


Tools Tailored for Teachers

Teaching is complex. Support shouldn't be.

ClearMath Elementary combines instructional resources, planning tools, embedded guidance, and actionable insights to help you plan with confidence and focus on student learning. From lesson planning to responsive instruction, the support you need is always within reach.

- ✓ Daily Math Routines
- ✓ MATHia Adventure
- ✓ The Clear Learning Center
- ✓ Built-in Language Support
- ✓ Implementation Notes and Pacing



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 ►





Tools That Honor Your Knowledge of Your Students

Your expertise belongs in every lesson.

ClearMath Elementary provides the structure teachers need and the flexibility they value. Embedded supports help you make instructional decisions with confidence while responding to the unique strengths, experiences, and needs of your students.

Built to Support Great Teaching

- **Clear routines without rigidity**
Consistent instructional structures create confidence for students while giving teachers flexibility to respond in the moment.
- **Purposeful opportunities for discourse and reasoning**
Daily routines, discussions, and collaborative experiences help students explain their thinking, make connections, and learn from one another.
- **Engaging learning experiences**
Games, investigations, Explore Centers, and MATHia Adventure keep students actively involved in mathematical learning.
- **Responsive instructional support**
Embedded guidance, differentiation notes, and small-group recommendations help teachers provide targeted support when it matters most.
- **Support for every learner**
Language supports, accessibility features, and inclusive instructional practices help all students engage meaningfully with grade-level mathematics.

Access for All

Empowering every student to move forward.

Every student deserves opportunities to engage deeply with mathematics. Our solution is designed to help all learners access, participate in, and demonstrate understanding of grade-level mathematics. Embedded supports, purposeful instructional design, and flexible learning pathways help students build confidence while developing strong mathematical understanding.

Language-Rich Learning

Every lesson includes Language Goals, Math Language Routines, and embedded supports that help students communicate mathematical thinking, participate in discourse, and build academic language.

Language Goal $\geq$ MLL

I can explain how to strategically write quantities in different arrangements to equal the same sum using words like *addends*, *rows*, *columns*, and *sum*.



Refer to the **Multilingual Learner Support Handbook** for scaffolds to support students.

Multiple Ways to Engage and Show Understanding

Students encounter mathematics through visual models, hands-on experiences, collaborative discussions, games, writing, and reflection. Multiple pathways for engagement and expression help them access learning in meaningful ways.

Differentiation Strategy

Assistance for All

Action & 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, begin to 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.

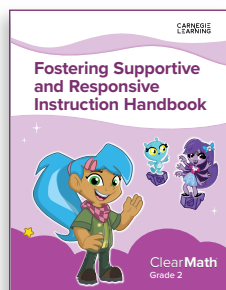


I agree.

Meaningful Connections

Relevant contexts, collaborative problem solving, and opportunities for multiple solution strategies help students connect mathematics to their experiences and make sense of important ideas.

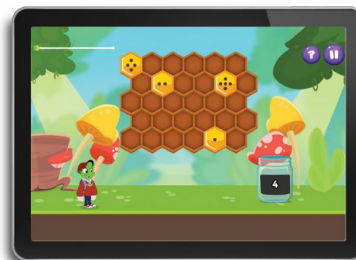
**Available on the Clear Learning Center*



Because meaningful mathematics learning begins with access.

Consistent Structures, Flexible Pathways

Predictable routines build confidence and independence, while Explore Centers, game-based learning, and differentiated supports provide multiple pathways for students to deepen understanding.



A Program That Sees Every Student and Supports Every Teacher

Built-in support from day one.

Supporting diverse learning needs shouldn't require teachers to create separate learning experiences from scratch.

ClearMath Elementary combines embedded instructional supports, actionable guidance, and flexible learning opportunities to help you respond to student understanding while maintaining access to grade-level mathematics.



What Students Experience

Rich mathematical discussions

Visual models, manipulatives, and real-world contexts

Multiple opportunities to engage and demonstrate understanding

Purposeful reflection and goal setting

Targeted support and enrichment

Meaningful assessment opportunities

How Teachers Are Supported

Language Goals, Math Language Routines, and discourse supports embedded directly into instruction

Point-of-use guidance that helps teachers anticipate misconceptions and facilitate meaningful learning

Instructional strategies and differentiation supports embedded throughout lessons

Student self-reflection opportunities that help students monitor growth and build ownership of learning

Explore Centers and facilitation notes that help teachers respond to student needs in real time

Formative assessments, performance tasks, and planning tools that help teachers determine next steps

Responsive by Design

Explore Centers help teachers turn classroom evidence into meaningful action. Whether students need clarification, additional practice, enrichment, or aligned support through MATHia Adventure, every Re-Engagement Lesson provides opportunities to respond to learning while keeping them connected to grade-level mathematics.

Turning Classroom Evidence Into Meaningful Action

Assessment that works as hard as you do.

The most valuable assessment information doesn't come only at the end of learning, it happens throughout the learning process.

ClearMath Elementary helps teachers gather evidence of student understanding during daily instruction and use those insights to make informed decisions about what students need next. Through observations, mathematical discussions, student work, and reflection opportunities, teachers gain a clear picture of student thinking as learning unfolds.

Reflect

15 minutes

Reflect and Summarize

Purpose: To reflect on strategies for writing equations to help determine a sum

Setting the Stage

- Direct students to the *Reflect and Summarize* activity. Have a student read the question aloud.

Task

- Have students work individually to answer the question.

Closing

- Facilitate a discussion about how different equations can describe the same quantity.

You wrote different equations to go with images of dots. How can you be strategic in writing equations to show the sum? **Sample answers:** I paired quantities that make 5. I paired quantities that make 10. I paired doubles. I put the greater quantity first to count on.

Differentiation Strategy

Assistance for All

Engagement: Emotional Capacity

This is a great opportunity to build mathematical mindsets. Explain to students it's okay when their neighbor sees the dots in a different way. Often, there are multiple paths to correct answers in mathematics.

From Observation to Action

After every two-to-four Concept Lessons, Reflect activities and the Preparing to Re-Engage Recording Sheet help teachers organize evidence gathered during instruction and identify patterns in student understanding.

These insights help teachers form flexible groups and determine the most appropriate next steps for each learner, whether they need additional support, meaningful practice, opportunities to deepen understanding, or new challenges.

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

Responsive Instruction Starts Here

By transforming classroom evidence into purposeful action, ClearMath Elementary helps teachers respond to student needs while maintaining access to grade-level mathematics so learning continues to build.

Assessment That Drives Learning, Not Just Measures It

Where assessment and instruction become one.

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



Assessment Types

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

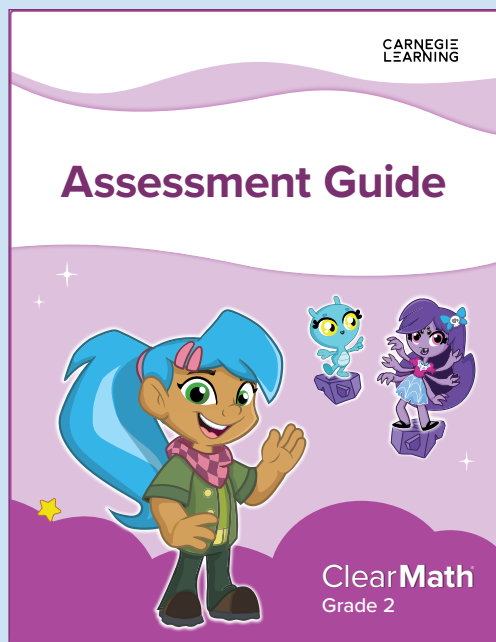
Assessment AS Learning

Reflect and Summarize

My Just Right Problem

I Can Statements

MATHia Adventure Data



The Assessment Guide

Your Go-To for Responsive Teaching. 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 and when to use it
- Guide responsive teaching and equitable grading practices
- Support formative, inclusive, and meaningful assessment at every stage of learning

Stop Searching, Start Teaching with the Clear Learning Center

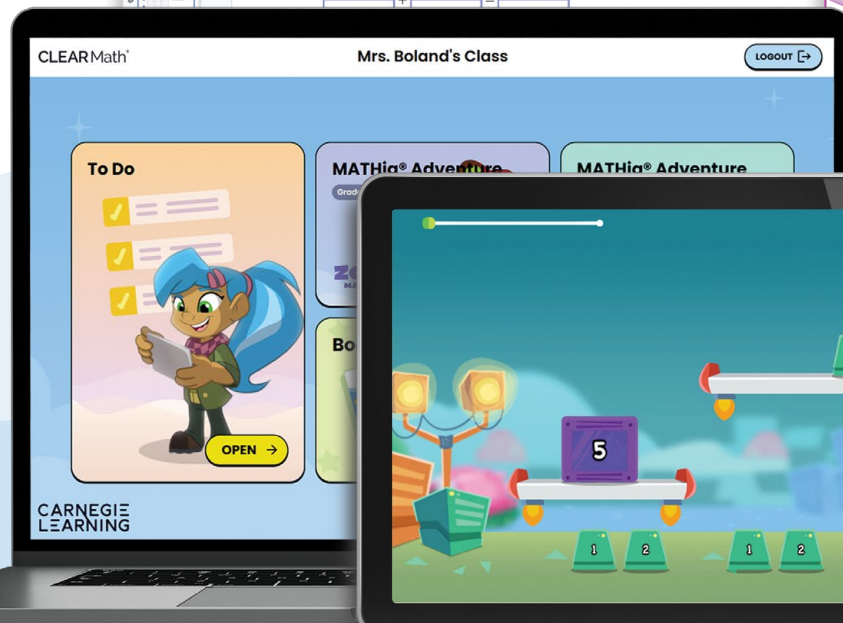
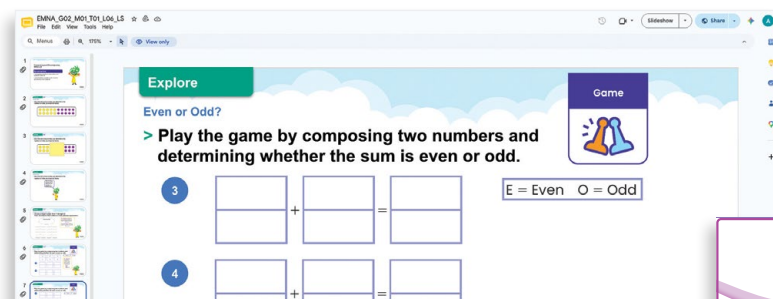
Everything you need, right where you need it.

The Clear Learning Center is your digital home base for ClearMath Elementary, giving you quick access to the tools, resources, and support that keep your instruction moving forward.

Plan

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

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

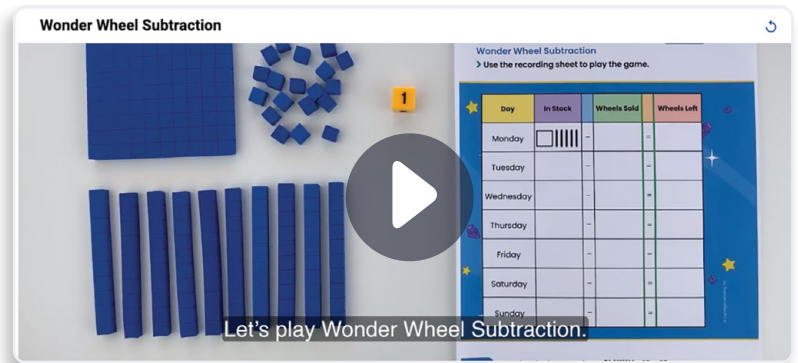


Only available on the Clear Learning Center

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
- **How to Play Videos** that provide instructions for the games



Assess

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

- **Access Interactive Assessments** with Technology-Enhanced Items
- **Track student reflections** and growth over time
- **View at-a-glance data snapshots** to monitor class progress

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

Miss Kylo's Math Class

Manage Class

Select Grade: Kindergarten Grade 1 ✓ Grade 2 Grade 3

Student	Operations	Subtraction	Addition	Money Math	Geometry	Shapes	Number Sense	Counting
Amie Douillard	100%	100%	100%	100%	100%	100%	100%	100%
Bibek Bhattarai	100%	100%	100%	100%	100%	100%	100%	100%
Charlene Desautels	100%	100%	100%	100%	100%	100%	100%	100%
Fatima Haque	100%	100%	100%	100%	100%	100%	100%	100%
Isaac Hill	100%	100%	100%	100%	100%	100%	100%	100%
Jarvis Lewis	100%	100%	100%	100%	100%	100%	100%	100%
Jarvis Haque	100%	100%	100%	100%	100%	100%	100%	100%
Mhamed Ojane	100%	100%	100%	100%	100%	100%	100%	100%

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
- Multilingual Support Handbook
- Instructional Strategies
- Mathematical Progressions and Connections
- Rostering Supportive and Responsive Instruction Handbook

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 and Progress Monitoring Tools
- Reporting and Data Insights
- Assessment Guide
- Targeted Instruction Recommendations and Resources

Support Tools

- Manipulative Kits*: Grade-level kits including all necessary manipulatives required for students to fully engage in learning
- Activity Kits*: Grade-level kits include precut and laminated cards ready for implementation

**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

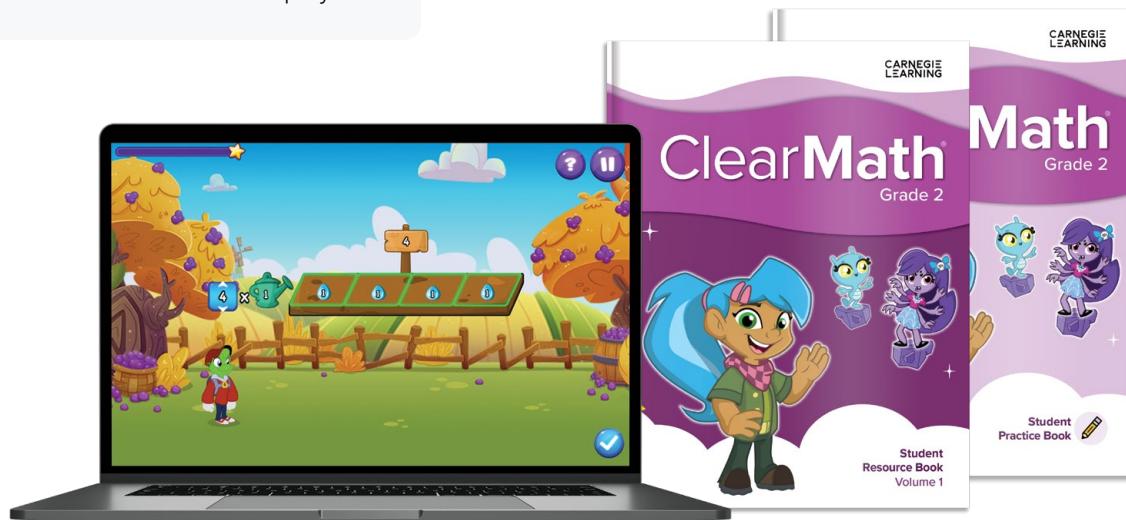
A consumable student text that provides additional practice for each lesson and a Family Guide for each topic

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

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. ClearMath Elementary is EdReports-verified, earning perfect scores across all three gateways, the gold standard in curriculum quality.



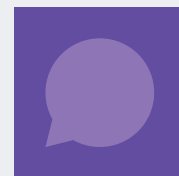
Every Student is a Math Person

We've got over 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 student is a math person.



Continue your exploration here:
www.carnegielearning.com/cmcl ▶



**CARNEGIE
LEARNING**

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