

Grow Math Confidence,
Power Real-World Thinking

Program Overview



Discover more at
meducation.com/florida



Welcome to *Florida Math*

McGraw Hill *Florida Math* for K–8 helps students grow math confidence and real-world thinking skills to succeed in the classroom and beyond. Purposefully built for today’s Florida classrooms, our program empowers teachers with the highest quality materials and innovative tools to deliver meaningful math instruction every day.

With a consistent instructional model anchored in **Florida’s Benchmarks for Excellent Student Thinking (B.E.S.T.) standards**, the program streamlines planning and differentiation through embedded professional learning, hands-on lessons, and AI-powered supports that spark curiosity, build confidence, and connect math to real-world applications.

Structured discourse routines help students talk, reason, and think deeply about math, while daily insights and automatic, standards-aligned data seamlessly integrate with *ALEKS*® to provide personalized recommendations for every learner. Teachers can track proficiency and growth from intuitive dashboards with key insights at their fingertips, enabling them to confidently accelerate learning, address learning gaps, and ensure success on the **Florida Assessment of Student Thinking (FAST)**.

Discover how you can build math confidence and drive results for your students and teachers with the power of *Florida Math*.



Grow Math Confidence, Power Real-World Thinking

Florida Math champions Florida teachers and guides students on a journey of inquiry-based learning and student-led discovery.

Championing Florida Teachers Every Step of the Way

Teachers can deliver their best with our high-quality, research-based instructional materials, responsive teaching tools, real-time supports, and a **teacher-centered design** built for coherence and efficiency.

Student Voice and Choice at the Center

With our structured discourse routines emphasizing **student voice and agency**, students develop critical thinking and problem-solving skills and a deep conceptual understanding of mathematics. Differentiated and English language learner supports ensure all students receive the instruction they need.

Real-World Math for Real-World Thinkers

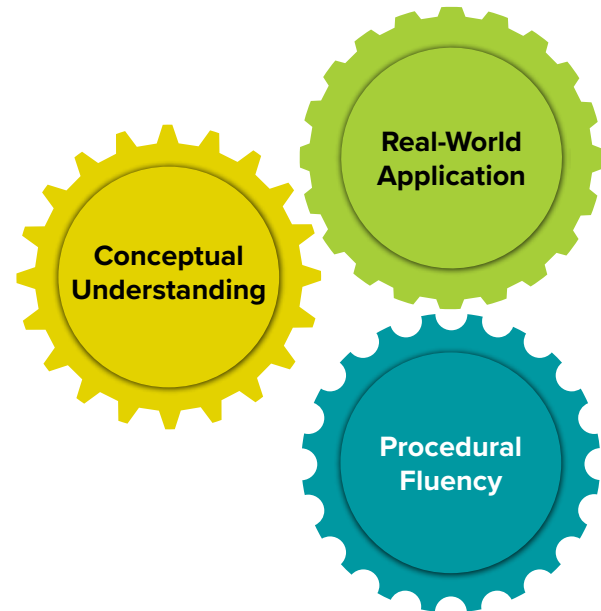
Our program makes math meaningful for students with **authentic contexts, relevant scenarios, and everyday math connections**. Coursework strategically prepares students for college and career readiness alongside STEM integration and career exploration opportunities.

Harmonious Learning Powered by Data

With *Florida Math*, student learning is personalized and adaptive, powered by real-time data insights and standards-aligned progress monitoring. Individualized learning trajectories and diagnostic tools enable teachers to provide **highly targeted, responsive instruction**.

Cultivate Capable Problem-Solvers

In *Florida Math*, conceptual understanding, real-world application, and procedural fluency go hand in hand. Every unit integrates the **Mathematical Thinking and Reasoning (MTR) Standards** to ensure students don't just "do" math—they understand and apply it.



With this standards integration, students will:

- **Think like mathematicians** by asking questions, exploring strategies, and making sense of tasks.
- **Connect ideas** by representing problems in multiple ways and applying tools with fluency.
- **Communicate reasoning** by explaining solutions, considering accuracy, and learning from peers.

Essential Questions That Spark Curiosity

Every unit begins with an **Essential Question** designed to activate prior knowledge and spark curiosity. Throughout lessons, **Essential Question Connection** prompts tie learning back to the unit and prior experiences, helping students see how each concept fits into the bigger picture.

By emphasizing reasoning, persistence, and meaningful problem-solving, *Florida Math* empowers students to master the **B.E.S.T. Standards** while seeing themselves as capable, confident mathematicians.

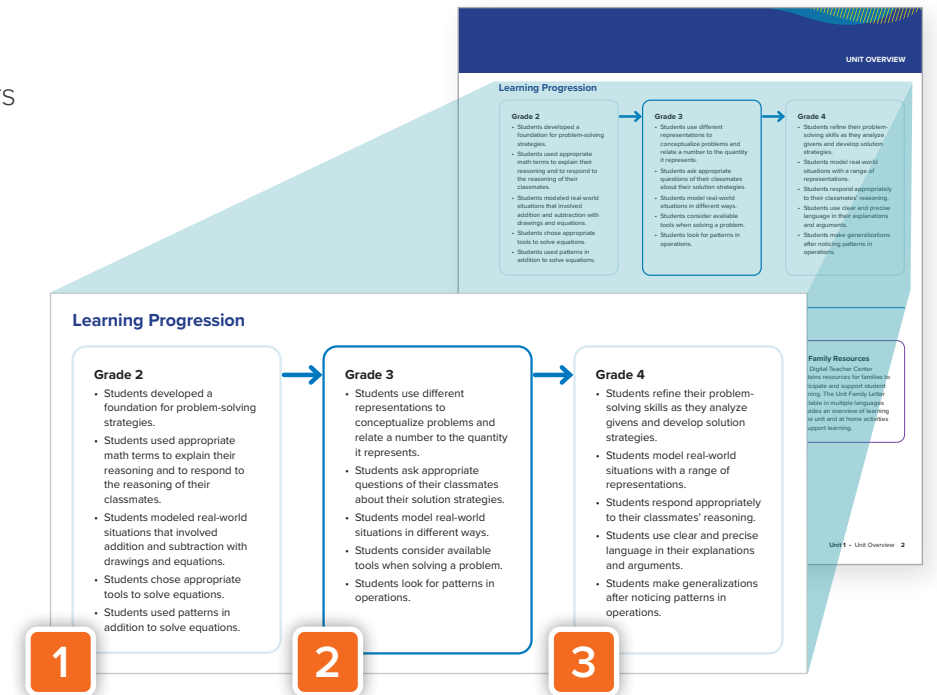
Coherence That Drives Confidence

Florida Math makes it easy for teachers to understand where students have been, where they are, and where they are going next with clear, built-in learning progressions.

See the Whole Journey

At the beginning of each unit, teachers see the full learning progression:

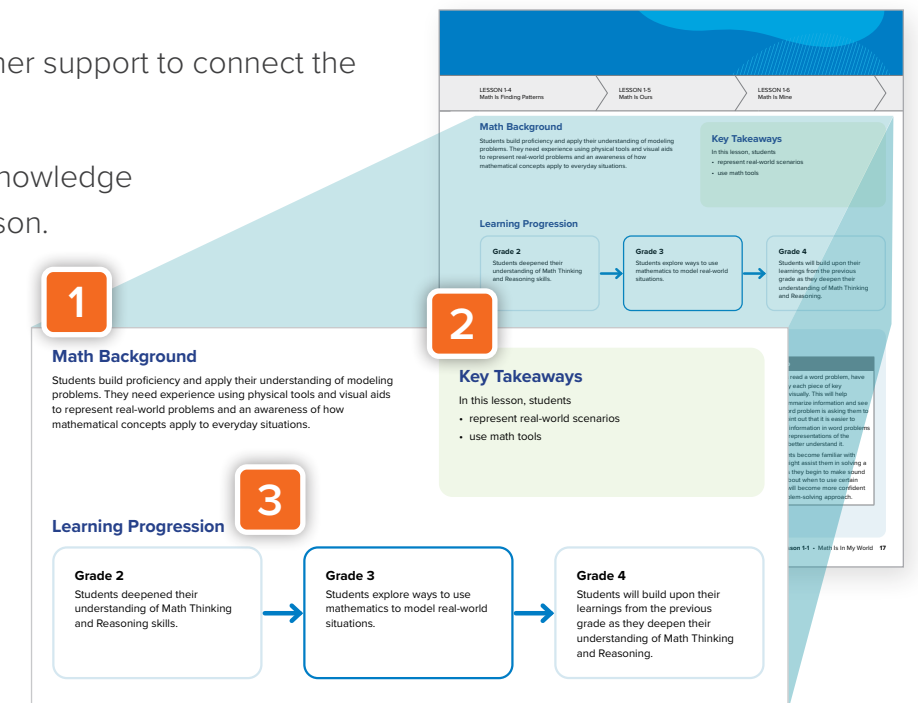
1. What students learned in prior grades
2. The focus of the current unit
3. How today's learning connects to what's ahead



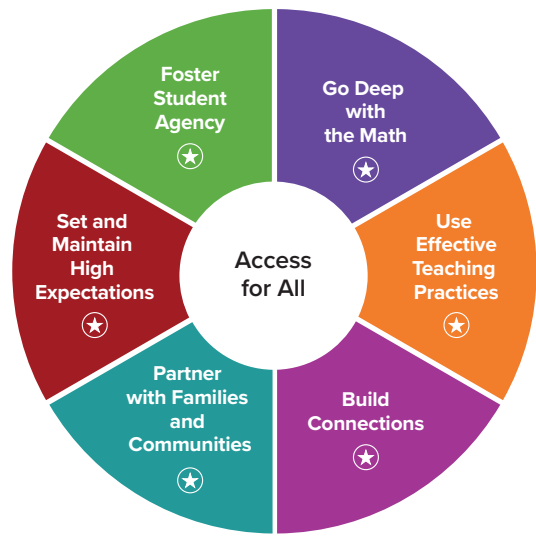
Dive into Each Lesson

Every **Lesson Overview** provides teacher support to connect the standards with student learning:

1. **Math Background** highlights the knowledge and skills students bring to the lesson.
2. **Key Takeaways** provide clear statements of what students will understand and be able to do, reinforced throughout by the **Essential Question** prompts.
3. **Learning Progression** shows where the lesson fits in the context of the prior grade, current grade, and next grade.



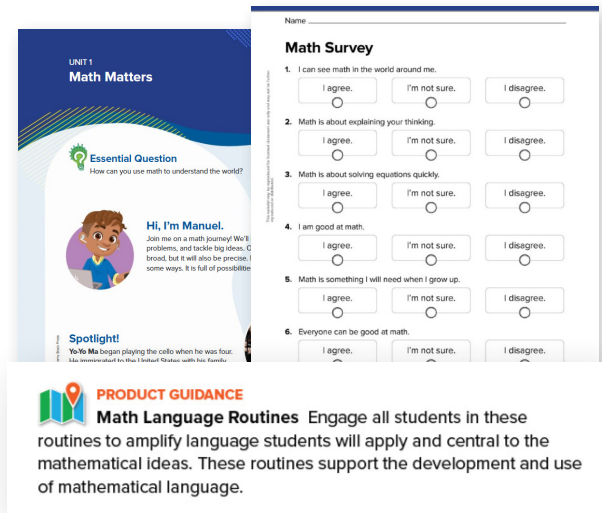
Math That Connects for Every Learner



Florida Math connects students to the everyday application of mathematics through authentic learning experiences and real-world contexts. Our engagement tools and student-led approach ensures all learners have access to the support and resources they need to succeed.

★ Set and Maintain High Expectations

Kick off the school year with the **Math Matters** unit, which helps students reflect on past experiences, activate prior knowledge, and establish routines—setting the stage for a year of growth and foundational learning.



What can you learn about math from listening to different ideas and reasoning?

MATH HABITS

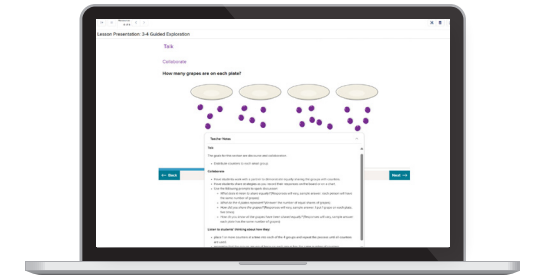
★ Foster Student Agency and Real-World Connections

With the **Mathematical Thinking and Reasoning Standards (MTRs)** integrated into every unit, students:

- Reason and problem-solve to make sense of mathematics.
- Collaborate and communicate to explain their thinking.
- Connect ideas and apply strategies to real-world situations.

★ Go Deeper with the Math

Lessons include prompts that encourage students to explore mathematics through hands-on, concrete experiences; grapple with concepts; and build understanding as they make sense of problems.



★ Use Effective Teaching Practices

Grounded in the Effective Teaching Practices, every lesson embeds rigorous, standards-aligned questioning to guide student thinking, strengthen understanding, and support high-quality math learning.

ETP

TALK AND CONNECT Partner / Small Group

Collaborate

Ask partners to share their thinking with the class. Record students thinking by writing in a place all can see. Avoid rewording or correcting their statements.

ETP Pose Purposeful Questions

Encourage all students to share their ideas with these prompts.

- Which numbers have a 7 in the tens place? Explain what the digit 7 represents in those numbers.
- For the number that does not have a 7 in the tens place, explain what each digit 7 represents in that number.

Look fors

- explain that one number does not have a 3 in the ones place.
- recognize that one number does not have a 7 in the tens place, and the value of the 7 is 700
- Identify that one number is a 4-digit number

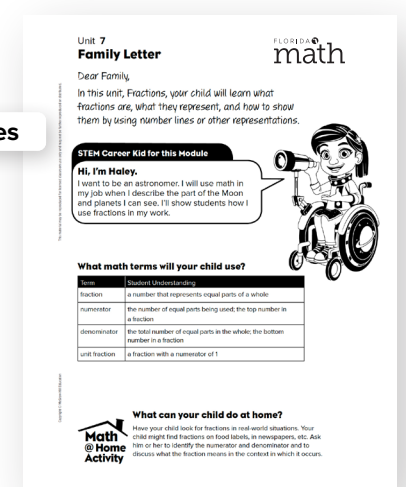
★ Build Connections

Students actively connect each lesson to prior math concepts, applying their thinking to deepen understanding. The lesson presentation guides this process with explicit questions, helping teachers ensure students are building on what they've learned while applying new skills.

★ Partner with Families and Communities

Family resources include Family Letters in multiple languages and activities that connect the classroom to continued learning at home, supporting meaningful math practice and family engagement.

Family Resources



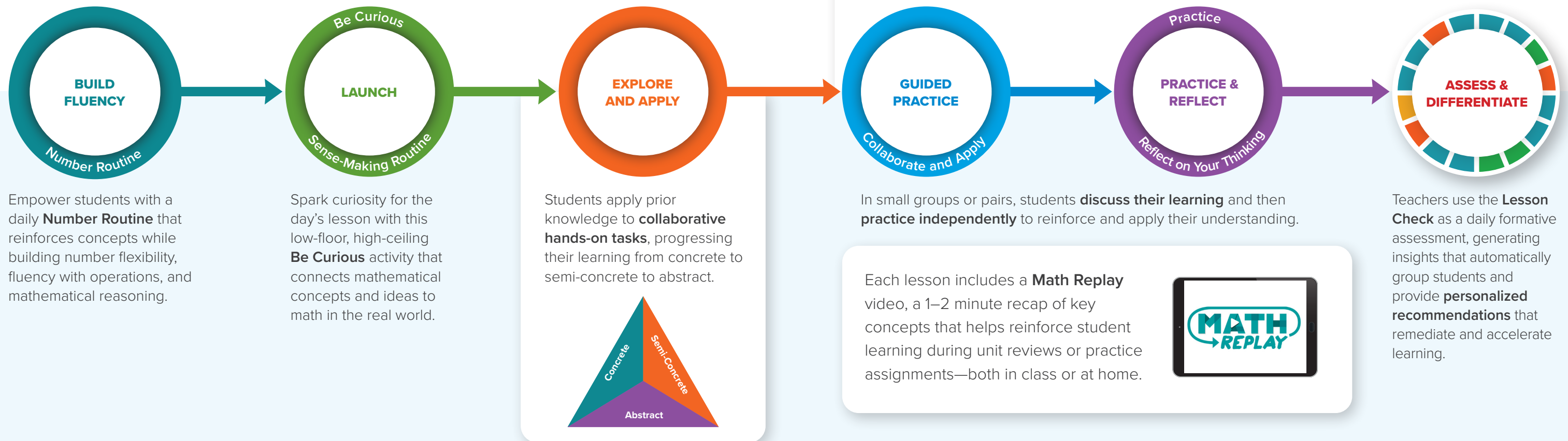
A Framework for Exploration and Collaboration

Every lesson provides teachers with both structure and flexibility, beginning with embedded activity-based choices that allow teachers to approach each lesson as student-discovery or guided exploration.

Lessons include hands-on manipulatives, such as **Math Mats** with ten frames and number lines, to help students move from concrete experiences to abstract understanding.

Guided prompts and built-in strategies support teachers in engaging student thinking, encouraging discussion, and helping students make meaningful connections.

The Florida Math Instructional Lesson Model



Spark Discussions and Nurture Discourse

INTRODUCE	Whole Class
TALK	Partner / Small Group
CONNECT	Whole Class

At the heart of *Florida Math* is the **Introduce-Talk-Connect** discourse routine, a structured approach that positions teachers as facilitators while encouraging student exploration and collaboration. Teachers are also provided with recommended discourse strategies to use during the lesson, located in the **Let's Talk About Math!** discourse guide.



With *Florida Math*, **data is collected at every step** of the lesson to provide balanced, purposeful practice recommendations that move students toward bigger learning goals.

Build the Language of Math

Every student deserves access to the language of math. *Florida Math* offers a variety of math language supports, including Math Language Routines, ELL supports, and on-the-spot differentiation at the lesson level. In addition, Building the Language of Math pages launch every unit with Word Wall vocabulary that connects to the lessons.

Built-In Supports

MLR

Math Language Routines (MLRs) are built into each lesson to enhance and assess students' language skills, focusing on meaningful, purposeful language.

ELL

English Language Learner (ELL) Supports are provided in each lesson, equipping teachers with tailored strategies aligned with WIDA levels to help students develop mathematical vocabulary, ideas, and concepts in context.

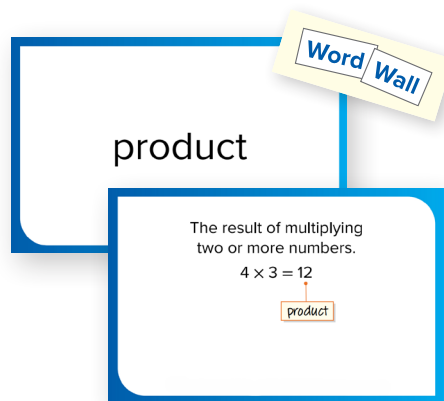
ETP

An important additional feature of the *Florida Math* program, **Effective Teaching Practices (ETP)** questions offer teachers prompts to support student math vocabulary.

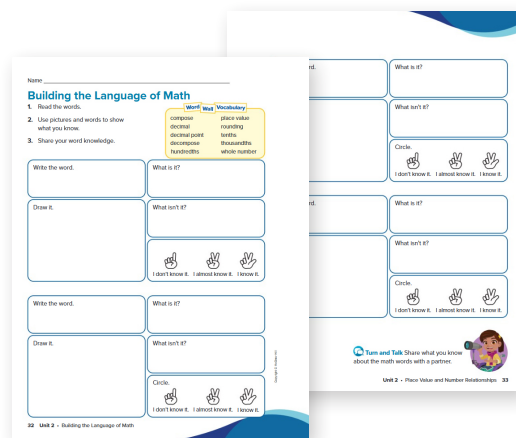
Vocabulary

Start each unit with a Word Wall!

Word Wall **vocabulary cards** offer visual references for key terms, and students can add their own representations and definitions. **Graphic organizers** help deepen understanding of math terms, with supplemental organizers available to support varied learning needs.



English language learner support within *Florida Math* is based on best practices from current research and the **English Learners Success Forum**.

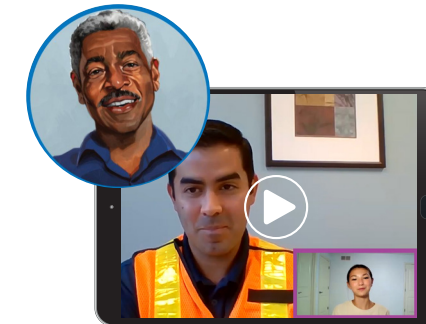


Building the Language of Math activity pages

Explore, Engage, and Uncover the Math Around You

Authentic Connections

Students begin each unit with activities that connect math to STEM careers, STEM professionals, and authentic examples from the world around them, highlighting real-world applications that make math relevant and meaningful.



STEM in Action



STEM Career Kid Savannah, Oceanographer

Sense-Making Routines

Developed by program author Annie Fetter, **Be Curious** sense-making routines begin each lesson, designed to spark curiosity, promote discussion, and connect math concepts to real-world applications.



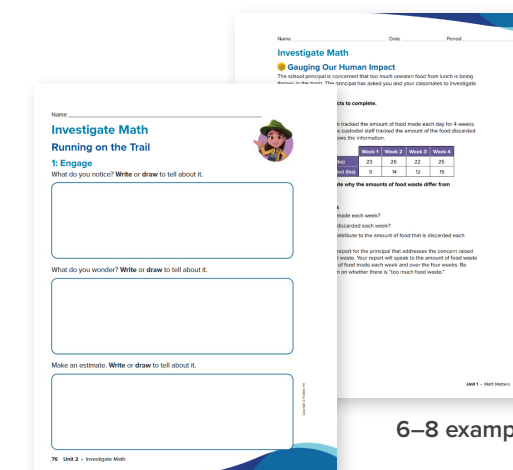
Annie Fetter
Contributing author

Real-World Investigations

Each unit's **Investigate Math** activity presents a real-world task designed to encourage students to work collaboratively. In K–5, students engage in three-part math stories to solve problems creatively:

- Engage:** Spark curiosity and ask questions.
- Investigate:** Explore possible solutions.
- Reveal:** Share findings and reflect on reasoning.

In 6–8, students design their investigation using data to explore the unit's concepts and real-world application through a STEM topic.



K–5 example

6–8 example

Curiosity Sparks Connection

Full STEAM Ahead

At the start of each unit, use **STEAM Connections** to spark discussions on how STEAM topics shape the world.

Make Connections

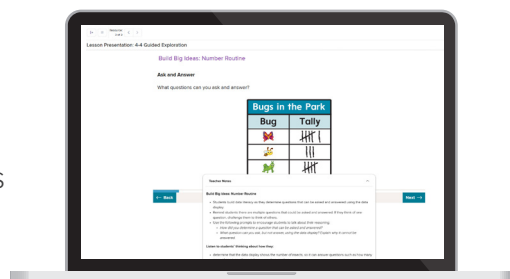


Shape Butterflies

Provide each student with a blank piece of paper, a variety of paper shapes, markers, and glue. Display images of a variety of butterflies, pointing out the symmetry on each side of a butterfly's body. Explain that some butterflies migrate every year, flying hundreds or even thousands of miles to go between their summer habitat and their winter habitat. Discuss ways in which people might impact the butterflies' flight. Invite students to make their own butterflies by folding their paper in half and then using the shapes to make butterfly wings. Remind students that the wings should look the same and be equal on each side of the body.

Fuel Curiosity and Build Number Sense

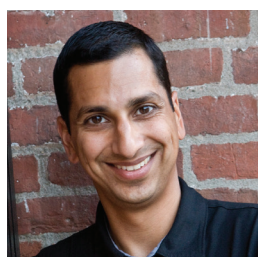
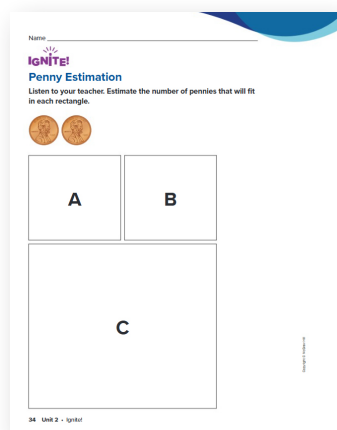
Developed by John SanGiovanni, M.Ed., daily **Number Routines** ignite curiosity and build number sense through flexible and engaging practice. Rooted in **Universal Design for Learning** principles, these routines offer multiple ways for students to connect, explore strategies, and grow confident with numbers.



John SanGiovanni, M.Ed.
Contributing author



Designed by Dr. Raj Shah, **Ignite! activities** open every unit by engaging students with thoughtfully crafted, puzzle-like tasks, providing just enough information to spark curiosity and challenge their thinking.



Dr. Raj Shah
Contributing author

Data Science and Literacy

With *Florida Math*, students move beyond simply consuming data—they engage, question, and analyze to make meaning of the world around them.

Embedded Practice Opportunities

Real-world **Data Connections** are woven into daily lessons to build data literacy and meaningful connections to math concepts.

Data Connection

Build-a-Burger

Pose this question to students to allow them to gather and analyze data:
Imagine we are each inviting a guest to a cookout with burgers. What burger toppings would you like? What would your guest like? Create a chart with these toppings: Cheese, Mustard, Pickle, Ketchup. Give students time to write down their choices with tally marks. Analyze what else can be determined from the data. Do we need more cheese or more pickles overall? What if three people and their guests can't come to the cookout? How would we change the amount of food we need?

Grade 3

Data Connection

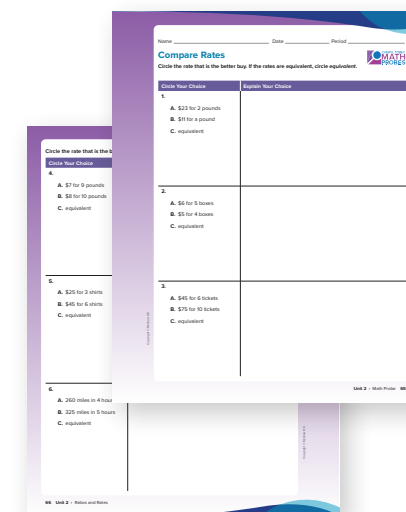
With a partner, have students poll their classmates to share their favorite sport, snack, game, etc. Students can choose the topic or you can assign it.
Using the information they have collected, ask students to represent the number of students that chose each category as a fraction and a decimal.

- Which of these representations are most useful?
- Which is the least useful? Ask students to share their thinking.

Grade 6



Cheryl Tobey's **Math Probes** are powerful formative activities designed to reveal students' understandings, preconceptions, and misconceptions in mathematics. Aligned with **Building Thinking Classrooms** principles, Math Probes help teachers spark discussion, adjust instruction, and guide students toward a deeper conceptual understanding.



Cheryl Tobey, M.Ed.
Contributing author

Personalizing Instruction Is Easier Than Ever

Florida Math is more than just a curriculum—it's a complete learning ecosystem with powerful, data-capturing technology at its core. Serving up practice recommendations at the right moment and in the right way, *Florida Math* saves teachers time and meets each student's unique learning needs.



See Rich Data in Real Time

As students engage digitally, data from **Daily Core Practice**, **Interim Assessments**, **Advanced Adaptive Learning**, and **Dynamic Personalized Practice** flows seamlessly into the system, generating actionable insights that guide instruction.



Utilize Recommendations for Individualized Growth

Real-time insights automatically create individualized learning paths and meaningful student groups. Teachers save planning time while students receive the right support and enrichment at the right moment.



As needs evolve, adaptive technology updates content instantly, keeping learning balanced, purposeful, and connected to larger unit and year-long goals.

Dynamic Personalized Practice **A** **B**

Florida Math uses real-time insights to automatically group students and provide targeted recommendations so every learner can access grade-level math.

Advanced Adaptive Learning with **ALEKS**® **C**

ALEKS® *Adventure*™ and **ALEKS** use AI-driven learning paths to identify gaps, accelerate progress, and create engaging, personalized practice.

Collaborative and Independent Learning **D**

Students build understanding through small-group activities, independent practice, and ready-made tasks with STEM connections.



Florida Math turns real-time data into balanced, personalized learning, guiding each student's small steps toward bigger learning goals while saving teachers time.

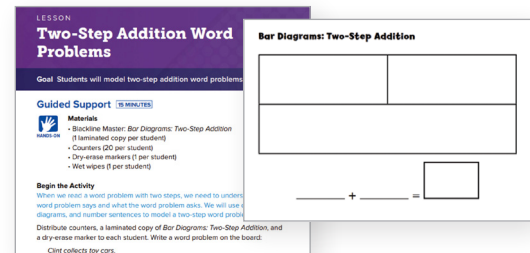
Practice Recommendations in Action

With *Florida Math*, data is collected at every step to provide balanced, purposeful practice recommendations that move students toward bigger learning goals. Targeted practice types offered for every level build understanding, mastery, and growth.

A

Small-Group Practice

Hands-on, targeted lessons focus on intervention, reinforcement, or acceleration of lesson concepts.



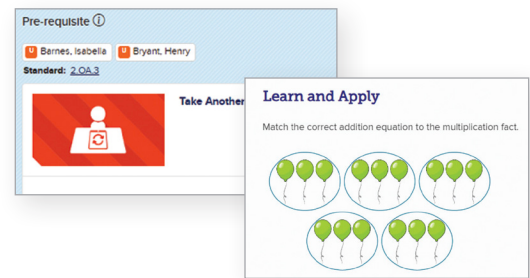
Practice Types

- Teacher-Led Small-Group Mini Lessons

B

Personalized Learning

Dynamically generated, scaffolded digital mini lessons are tailored to each student's needs.



Practice Types

- Personalized Practice
- Personalized Recommendations

C

Advanced Adaptive Learning

AI-powered personal learning paths through *ALEKS Adventure*™ (K–5) and *ALEKS*® (6–8) make it easy to set, monitor, and track each student's progress.



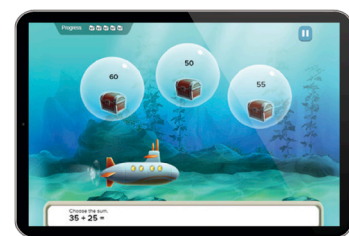
Practice Types

- ALEKS Adventure* (K–5)
- ALEKS* (6–8)

D

Collaborative and Independent Learning

Hands-on and digital activities for small-group or independent practice empower students to apply their understanding and connect math to real-world scenarios.



Practice Types

- Spiral Review
- Extra Practice
- FAST Practice
- Application Station STEM Cards
- Reinforce Understanding and Extend Worksheets
- STEM Adventures

Math Fluency Practice

Daily practice throughout the unit builds fluency, reinforcing operations, relationships, and key concepts while strengthening problem-solving skills and deepening understanding.

Additional Math Fluency Opportunities:

- Daily Number Routine
- Daily Spiral Review (available in print and digital)
- Digital Games Center
- Fluency Practice (available in print and digital)

For Tier 3 math support, please review our *Number Worlds*® PreK–8 prevention and intervention program.

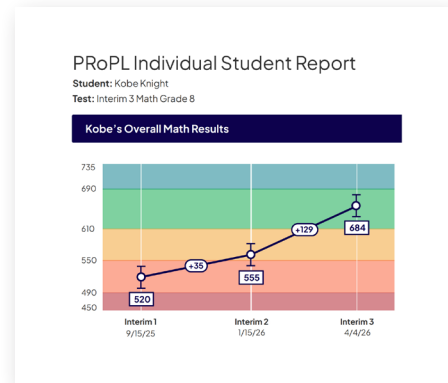
Powerful Progress Monitoring

Designed with **Universal Design for Learning (UDL)** principles, *Florida Math* aligns with the Florida B.E.S.T. Standards to support flexible, actionable, and meaningful assessment.

Start of Year Diagnostic Insights

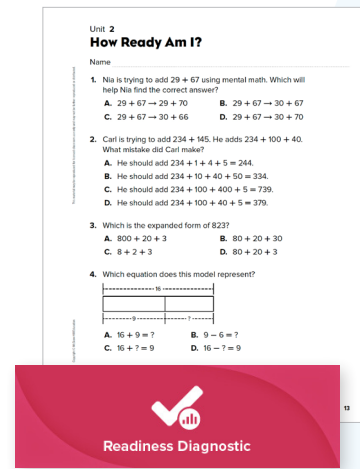
Measure student understanding of prerequisite skills at the start of the year and before each unit with:

- **Interim Assessments** to measure student performance on state standards and track growth throughout the year.
- **ALEKS® Initial Knowledge Check**, administered digitally at the beginning of the year.



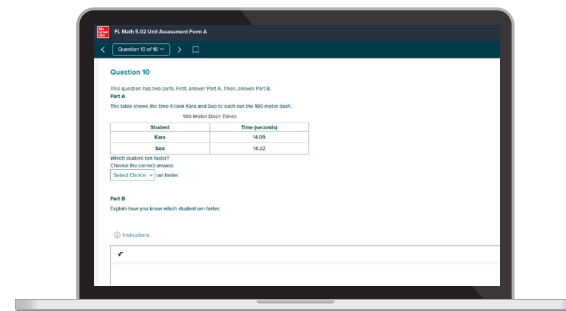
Start of Unit

Unit Readiness Diagnostic Assessments are available in print or digital formats.



Assessment with Purpose

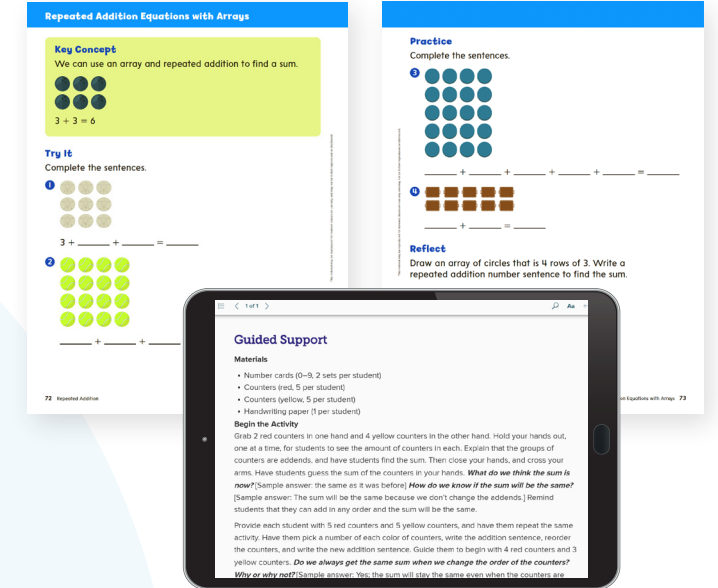
A full suite of assessments—including Unit and Summative Assessments aligned to B.E.S.T. Standards—inform instruction and help every learner succeed.



Targeted Intervention

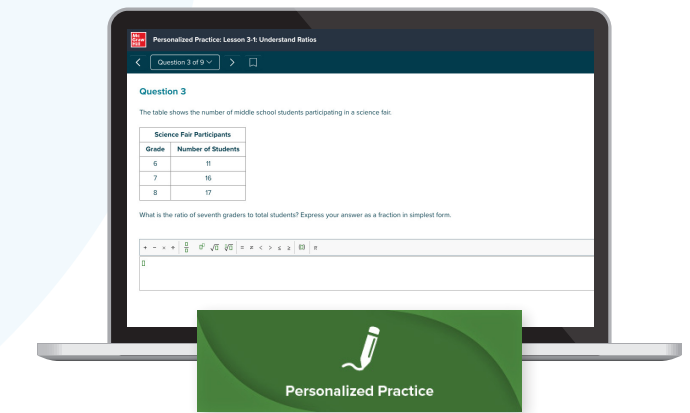
Resources aligned to diagnostic and summative assessment include:

- **Guided Support:** Teacher-facilitated small-group mini lessons.
- **Skills Support:** Skill-based practice for targeted review.



Purposeful Practice

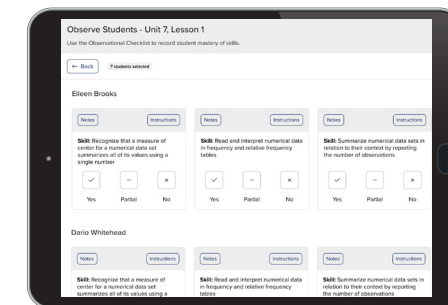
Every lesson includes practice both print and digitally, including **Personalized Practice** to support each student where they need it.



REAL-TIME INSIGHTS

Formative Lesson Assessment

Use the **Observational Checklist** to record student mastery of skills during each lesson and update the Standards and Skills Graph in real time, informing personalized recommendations.



Actionable Insights to Track Progress



Unlike other programs that spread data across multiple platforms, the *Florida Math* data system, powered by the **Standards and Skills Graph**, serves as your centralized hub for real-time class and student proficiency insights. It allows teachers to track student growth, monitor progress, and recognize achievements across grade levels all in one place.

Two inner rings represent data from interim assessments. This nationally normed data is updated throughout the year and tracks overall student progress by grade and domain.

Two outer rings display students' proficiency in standards and skills within a specific domain or strand, updated daily with data from *Florida Math* assessments, practice, *ALEKS® Adventure™* and *ALEKS®*, and intervention data from McGraw Hill's *Number Worlds®*.



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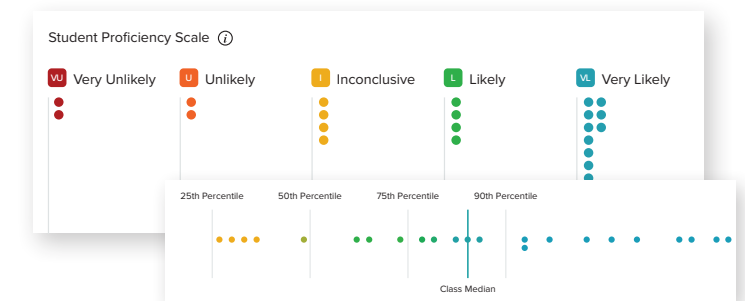
ALEKS® Adventure™

ALEKS®

The **Standards and Skills Graph** is populated with student interim assessment data as well as data from McGraw Hill's core, supplemental, and intervention programs.

Five Levels at Your Fingertips

Distribution Charts provide real-time insights into student readiness and skill levels, displaying proficiency data by grade, domain, and standards. Each dot represents a student's proficiency in relation to their classmates, simplifying lesson planning and helping identify student needs.



Comprehensive insights in every lesson automatically group students and generate up to **five levels of personalized recommendations**, including targeted practice, small-group lessons, and support for both intervention and acceleration.



From the **Digital Teacher Center** dashboard, you can create custom assignments and access **Performance Insights** on student proficiencies with just one click. In addition, complete integration with *ALEKS®* and *ALEKS® Adventure™* makes it easy to monitor student time logged over the past 10 days.



Time Spent in *ALEKS* reports and performance insights

Explore More Reports

Unlock additional insights to support student growth and instruction with:

✓ Administrator Reports

Access key insights and assessment results at the district- and school-level with ease.

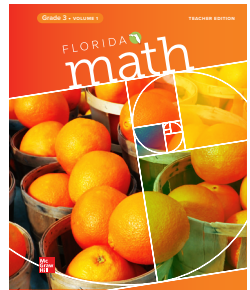
✓ Actionable Insights to Track Progress

Review real-time data for *Florida Math* practice and assessments, including item analysis by student and class.

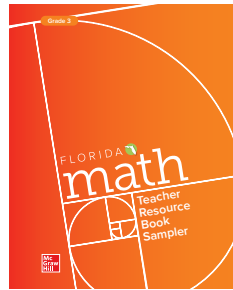
✓ Standards Performance Report

See class and student performance by standard, with cumulative scores to support instructional decisions.

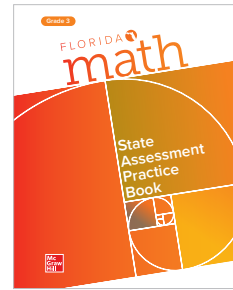
Print and Digital Tools for Every Classroom Need



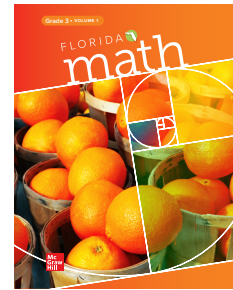
Grade 3, Volume 1
Teacher Edition



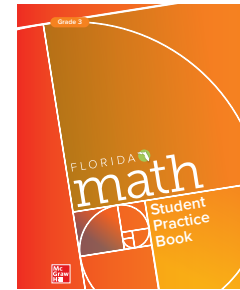
Teacher
Resource Book



State Assessment
Practice Book



Two-Volume
Student Edition



Student
Practice Book



Math Mats



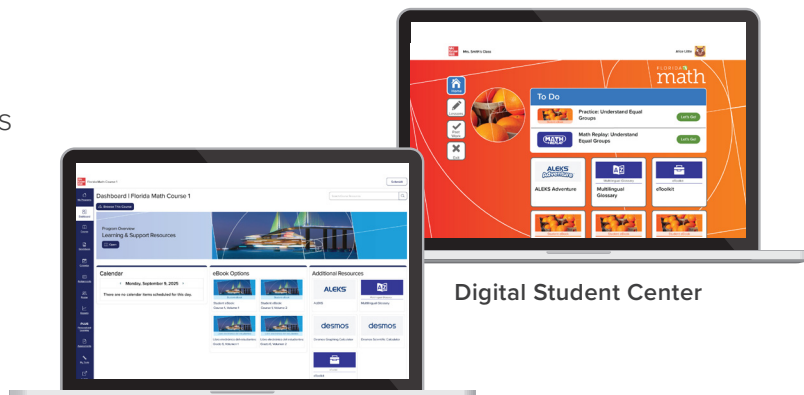
Fluency Game Kits



Manipulative Kits
for Grades K, 1–2,
3–5, and 6–8

Digital Experience

The teacher and student digital experiences seamlessly integrate dashboards with real-time insights, one-click assignments, and easy navigation, giving teachers clear visibility and confidence while allowing students to engage in personalized, targeted learning.



Digital Teacher Center

Digital Student Center

Discover Personalized, Playful Math!

Fully integrated into *Florida Math*, **ALEKS® Adventure™** (K–5) and **ALEKS®** (Grades 3–8) create personalized, AI-driven paths that help students fill gaps and progress to grade-level content faster. Teachers can easily see student progress through the *Florida Math* teacher dashboard, while students enjoy engaging, targeted practice that’s also available in Spanish—supporting multilingual and dual-language learners.



Florida Math Spanish Support

Florida Math offers comprehensive Spanish support including:

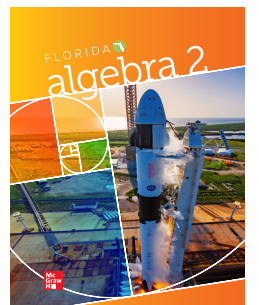
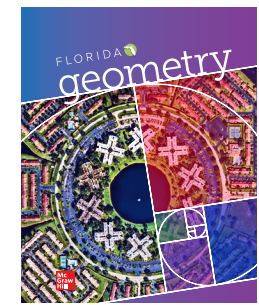
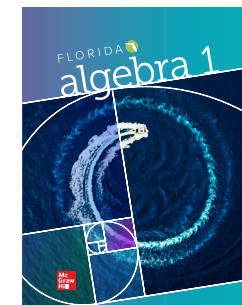
- Two-Volume Spanish Student Edition
- Spanish Student Practice Book (K–5)
- Spanish Student eBook
- Spanish FAST Practice
- Spanish Teacher Resource Book

Your Total K–12 Solution for Math!

The *Florida Math* K–8 series is just one part of a cohesive, engaging, and rigorous K–12 curriculum that builds deep understanding and confidence in every learner.

High School: Real-World Rigor

The *Florida Math* High School Series challenges students with authentic contexts that develop higher-level thinking. In addition to a hardbound Student Edition, high school students will have access to **Guided Notes** for enhanced interactivity.



Math Electives: Expand Possibilities

Designed to ignite passion and deepen understanding, math electives help students explore advanced concepts and prepare for future success.

