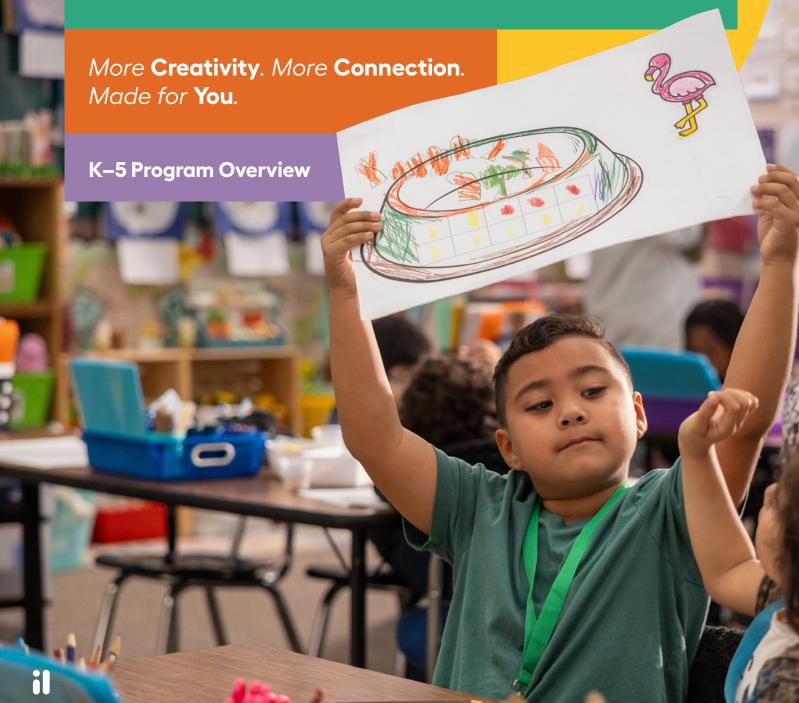


Grades K-5



This Is Math that Matters!



Authors, Research, and Certified Partnership

Illustrative Mathematics (IM®) was authored by Dr. Bill McCallum and a team of math leaders focused on improving student outcomes in mathematics. The problembased instructional design is built on best practices and research principles from NCTM, National Research Council, Smith & Stein, and others. Imagine IM® incorporates the latest IM® v.360 curriculum update and has been optimized by Imagine Learning for engagement, accessibility, and usability.

Premium Certified Partnership

Imagine Learning is a premium IM-Certified® partner, a designation that confirms Imagine IM adheres to IM's instructional model and has been reviewed and approved by Illustrative Mathematics. Imagine Learning worked closely with Illustrative Mathematics to ensure full alignment with its philosophy and research-based approach.

This partnership means schools get the best of both worlds: the rigor and coherence of the IM curriculum and Imagine Learning's enhancements and implementation support. It's a high-quality, evidence-based solution designed to help educators deliver meaningful, standards-aligned math instruction that works for all students.





Welcome to Imagine IM!

Math engagement can be a challenge. Getting students to connect with concepts, stay motivated, and build lasting understanding isn't easy, especially when traditional instruction doesn't reflect how learners really think and grow. That's where Imagine IM comes in.

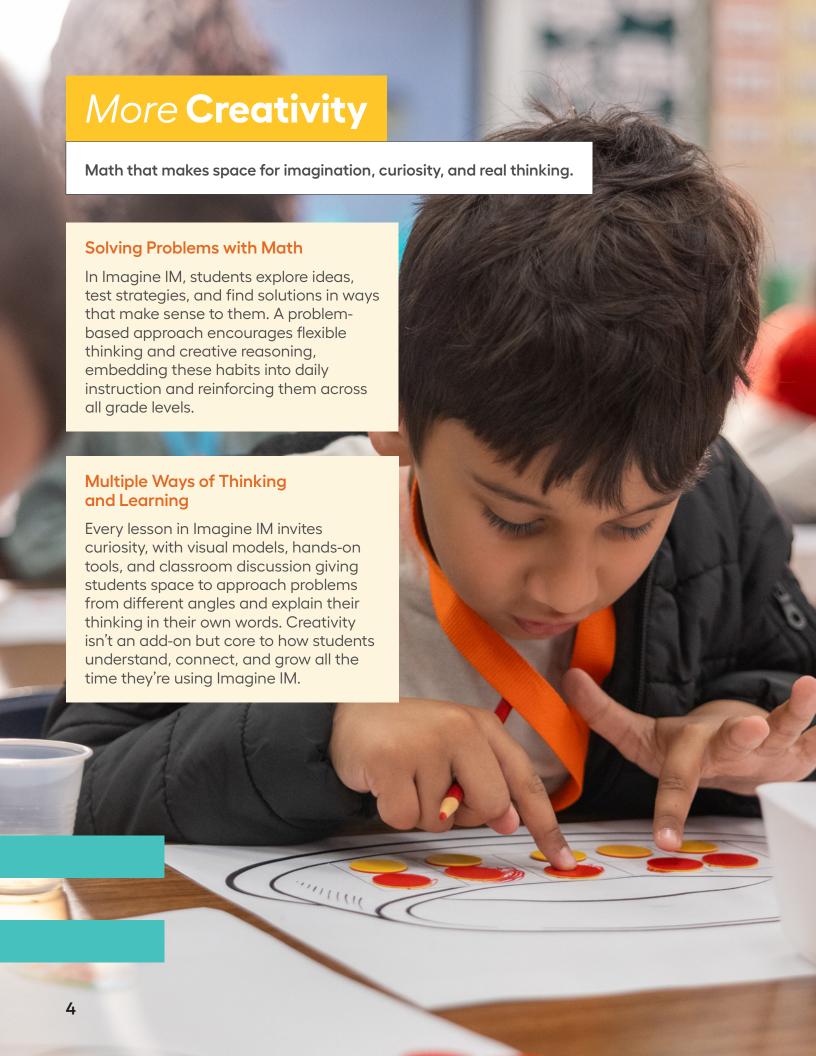
Built on the proven Illustrative Mathematics IM v.360 curriculum and optimized for dynamic classrooms, Imagine IM brings problem-based learning to life for K–5. Instead of memorizing steps, students explore real-world problems, talk through strategies, and discover how math works, together. It's active, creative, and rooted in curiosity.

For educators, Imagine IM offers ready-to-go supports, flexible print and digital resources, and tools that make instructional shifts easier to manage. For students, it means math that feels meaningful and engaging every step of the way.

This is math that matters.

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More Connection

Bringing students closer to the math, each other, and the world around them.

Engaging with Math that Matters

Imagine IM builds connection through relevant, real-world problems that encourage students to wonder, make sense, and stay engaged.

Learning Together, Thinking Together

Instructional routines promote student-to-student connection. Whether collaborating on a strategy or comparing models, students learn to reason, listen, and build understanding as a group.

Math with Real-World Relevance

From data sets to environmental topics, students explore math that connects to the world they live in, strengthening understanding and enriching math with a sense of purpose.



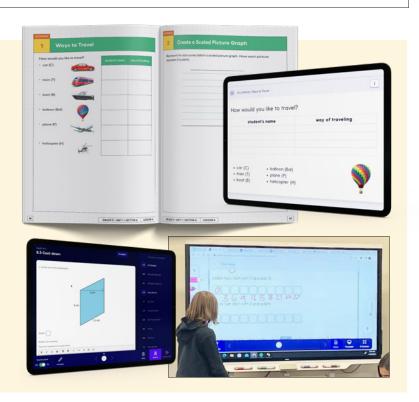
Made for You

Imagine IM is built for real classrooms and educators like you. From planning and instruction to feedback and support, everything is designed to be flexible, customizable, and ready to meet the needs of you and your students.

Adapts to Your Style

Because no two classrooms are the same, Imagine IM gives you tools that adapt to your instructional style.

- Editable digital lesson cards that can be copied, projected, or assigned
- Seamless integration of print and digital materials
- Live Learn and Annotation Tool to make lessons interactive and responsive
- One platform to assign, customize, and track progress



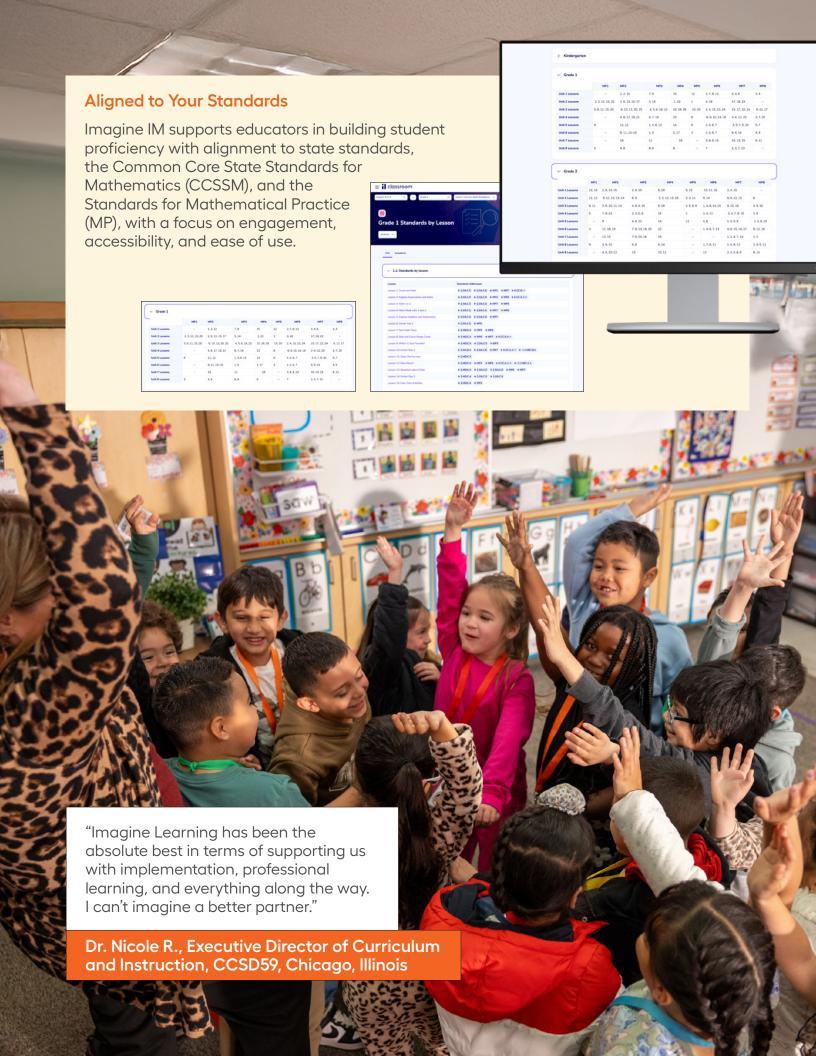
Support That Meets Your Needs

With Imagine IM, you're never on your own. Every implementation includes real support from real people who know IM and understand your needs.

- Dedicated customer success manager
- Comprehensive training for both print and digital
- In-house tech and integration support
- In-depth professional learning
- An ongoing consultative partnership







Exploring Imagine IM

Imagine IM offers a complete suite of print, digital, and hands-on components that are ready to go and designed to meet the needs of educators and students.

Teacher Components*

*Also available in Spanish

Print

Teacher Course Guide

The Teacher Course Guide includes everything you need to know about the program: the instructional design, assessment structures, design principles, and supports for diverse learners. It also includes a pacing guide and standards alignment.

Teacher Guides — 4 spiral-bound volumes per grade

Full lesson plans with teaching supports, student page reduxes, and QR codes linking to digital resources at the unit, section, and lesson level.

Teacher guides are available in Spanish K–8, Algebra 1, and Integrated Math 1.

Teacher Resource Packs

Each unit includes printable materials for:

- Family support materials
- Reproducible pages
- Assessments (including cool-downs)
- Center materials



Digital

The Imagine IM digital platform supports planning, teaching, and blended learning through tools such as:

- Planning and Instruction: Unit Launch videos, assignable digital lessons, embedded teaching notes, and unit maps
- Lesson Delivery: Editable lesson cards, Live Learn, and the annotation tool
- Home Connections: Family letters and Family Support videos
- Data and Reporting: Dashboards, performance reports, and monitoring tools
- **Student Engagement:** Digital centers, virtual manipulatives, digital tasks, and practice problems

Hands-on manipulative kits for each grade level K–8, packaged in organized storage tubs. Center Kits for grades K–5. Kits support a classroom of 30 students.



Student Components*

*Also available in Spanish

Print

Consumable Full-Color Workbooks (Units 1–8 or 9)

Available in English and Spanish, each workbook includes complete lessons with space for student thinking and work and QR codes linking to family resources throughout.



Digital

Students can access all materials online, including interactive lesson materials, Desmos activities, assessments, and more. Digital content is available in English and Spanish in K–8.



Professional Learning

Imagine IM offers flexible professional learning for teachers, coaches, and administrators, available in both virtual and in-person formats.

Workshop modules are designed for hands-on learning and application, while self-directed training is embedded in the platform for ongoing support, including:

- Learning Narrative videos covering unit goals, models, and common student misconceptions
- Lesson Example videos from real Imagine IM classrooms



Teacher Experience

Imagine IM supports teachers with flexible, easy-to-use tools created to work in real classrooms. Whether you're planning a lesson, leading instruction, or adapting on the fly, everything is designed to save time and support meaningful learning.

Implementation that Fits Teachers' Needs

Strong math instruction starts with strong support. Imagine IM offers point-of-use guidance to help teachers plan, adjust, and facilitate lessons confidently across classroom models. Teachers can access Learning Narratives, Progressions, and Lesson Supports videos from the Teacher Guide or digital platform, with real classroom examples providing clear, practical models of problem-based instruction.



Flexible Instructional Tools

Teachers have the tools to teach in ways their students learn best.

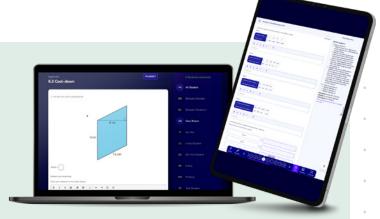
- **Print and Digital**: Teacher Guides and Student Workbooks connect directly to digital components to maintain lesson integrity across formats.
- **Editable Lessons:** Digital lesson cards can be copied, assigned, or customized to support every learner.
- Projection-Ready: Lessons are easily shareable in class or online.



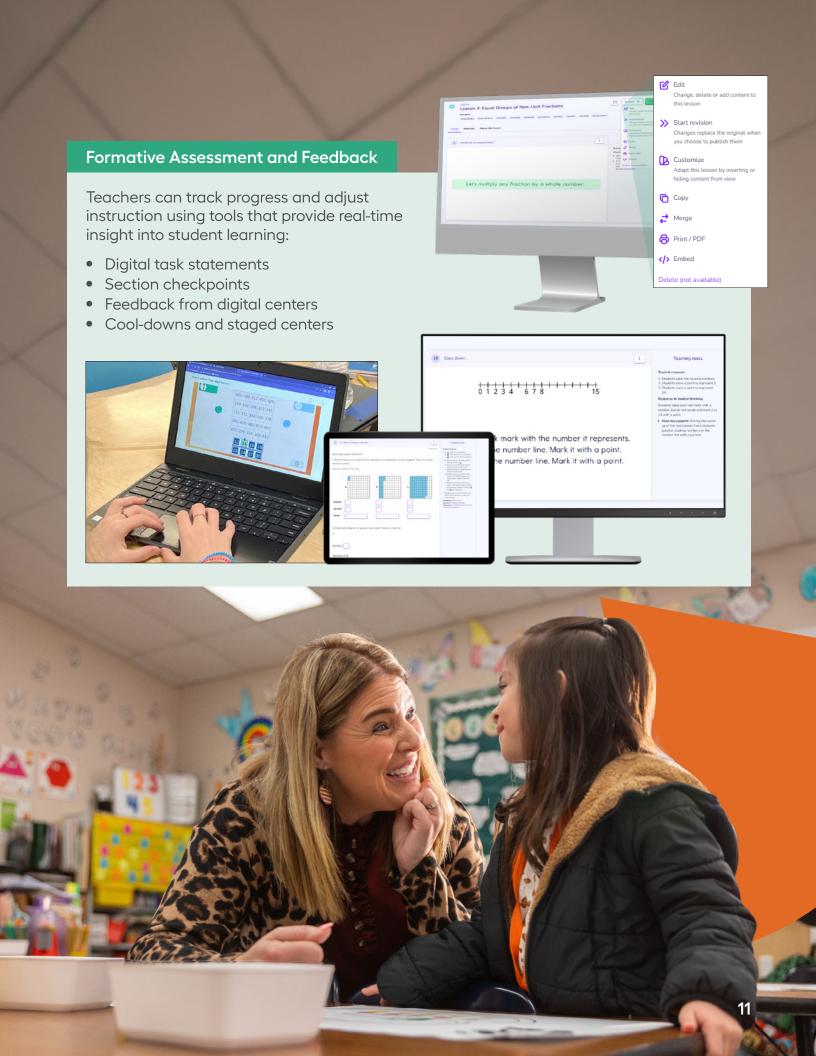
Live and Interactive Teaching

Tools that make teaching more responsive.

- **Live Learn** allows teachers to launch sessions directly from the platform.
- Annotation Tool brings instruction to life by letting teachers write, draw, and share thinking on-screen in real time.



The on-demand feature makes visibility of student work and timely feedback more efficient.



Student Experience

Imagine IM immerses students in meaningful, rigorous math through a problem-based approach and engaging, interactive resources. With tools that foster creativity and collaboration, students build confidence and develop skills they'll use in college, careers, and life.

Making Math Meaningful and Relevant

Students are natural problem solvers: curious, expressive, and full of ideas. Imagine IM gives them space to explore, share thinking, learn from mistakes, and connect with one another. Lessons are designed to value student voice and build productive mathematical habits.

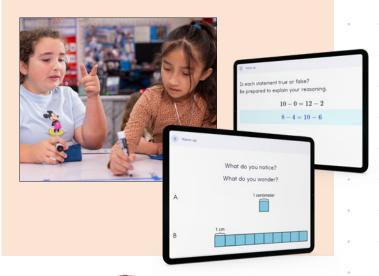


Fostering Discussion and Reflection

Imagine IM encourages active learning through talk, reflection, and shared problemsolving. Embedded opportunities across lessons and centers help students build confidence in the Standards for Mathematical Practice in ways that feel collaborative and authentic.

Supporting Understanding, Fluency, and Application

Instructional routines, visual models, and hands-on tools help students build conceptual understanding, procedural fluency, and confidence applying math to real problems. Every element works together to make learning stick and keep it engaging.





Inspire Math Videos

Short, high-interest videos open each unit with a real-world or unexpected context to spark curiosity. Later videos revisit the topic, reinforcing learning and encouraging students to connect math to the world around them.







Inspire Math videos are available in both English and Spanish.

K.1 Inspire Math Video: Introduce
The Inspire Math video for Kindergarten, Unit 1
showcases the mathematics of the unit in a real-world,
engaging context. The first showing to introduce the...

i, I, ILLUSTRATIVE MATHEMATICS

K.1 Inspire Math Video: Introducir

The Spanish Inspire Math video for Kindergarten, Unit 1 showcases the mathematics of the unit in a real-world, engaging context. The first showing to introdu.

K-5 Centers

Centers promote fluency and fun. Available in both print and digital formats, they offer interactive ways for students to play, explore, and challenge themselves — or each other — while receiving immediate feedback.





Problem-Based Learning in Action

Problem-based learning is powerful because it invites students to think, talk, and make sense of math. In Imagine IM, this approach is the foundation of every lesson. Rather than starting with formulas, students begin with a question, a visual, or a real-world situation that gets them thinking. They explore, test ideas, and collaborate with classmates to uncover strategies and solutions.

This kind of learning helps students build deep conceptual understanding, not just surface-level skills. It supports productive struggle, values multiple approaches, and encourages students to explain their thinking — all key habits of strong mathematical thinkers.

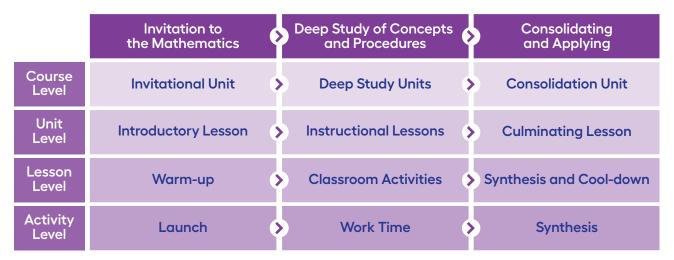




Unit and Lesson Structures

Imagine IM is built to make math meaningful, inclusive, and connected from start to finish. It follows a thoughtful structure that supports all learners, not just in mastering procedures, but in building deep understanding through discussion, reasoning, and real-world relevance.

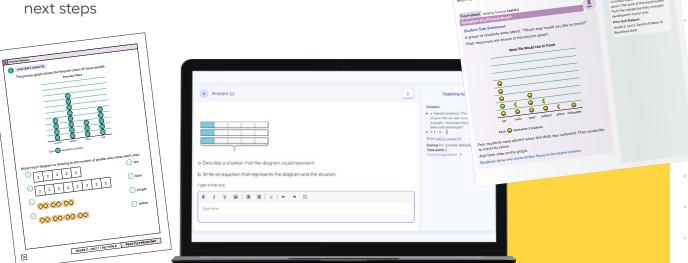
Each activity and lesson is part of a mathematical story across units and grade levels. This coherence allows students to view mathematics as a connected set of ideas that make sense together.



Each unit opens with an **Inspire Math video**, introducing new content through an engaging, authentic context. These short videos spark curiosity and help students preview what they'll explore over the unit.

From there, lessons unfold through a consistent flow:

- Warm-up: Accessible entry point for all students
- Activities: Collaborative exploration and problem-solving
- Synthesis: Pulling ideas together with structure and clarity
- Cool-down: A brief check for understanding that informs next steps



Warm-Ups: Inviting Every Student Into the Math

Each lesson begins with an inclusive warm-up that draws from students' experiences and cultures. Using openended prompts like "What do you notice? What do you wonder?," students are encouraged to share and explore ideas without fear of being wrong.

These routines promote:

- Entry for every learner
- Rich conversation and collaborative thinking
- Language development and identity-building in math

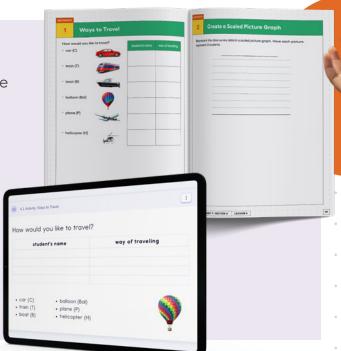
Instructional supports — including guiding questions, sentence stems, and language scaffolds — are built into both print and digital teacher materials.



Activities: Learning by Doing

Activities in Imagine IM go beyond practice. They're an invitation to **explore**, **question**, and **make meaning together**. Students are given time to grapple with problems individually before working in small groups, using models, manipulatives, and visual tools to deepen understanding.

Each activity is followed by a structured activity synthesis stage, in which teachers bring together key ideas and student insights. This is where connections are made, misconceptions are addressed, and mathematical language is developed within the community of learners.

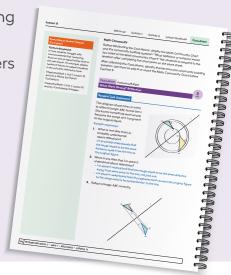


Lesson Synthesis and Cool-Downs

The lesson ends with a synthesis to consolidate understanding and make the learning goals of the lesson explicit.

Finally, cool-downs are short, targeted tasks that help teachers gauge each student's progress toward the learning goal. Whether completed on paper or digitally, cool-downs give clear, actionable information to guide next steps:

- Built-in teacher supports offer reteaching suggestions
- Digital cool-downs include automatic scoring and item analysis
- Data is immediately available for planning and smallgroup work



Practice and K-5 Centers: Developing Fluency

Each lesson includes **practice problems** for independent work. These can be completed in workbooks or assigned digitally.

Centers offer additional practice through structured games and activities. Available in both hands-on and digital formats, centers are:

- Included in instructional time in grades K-1
- Used flexibly in grades 2-5
- Organized by number ranges to match student readiness
- Designed to strengthen fluency, collaboration, and joyful learning







Equity and Access

Imagine IM is built on three core design principles to support all learners:

- Provide access for all
- Presume competence
- Focus on strengths, not deficits

These principles are woven throughout every unit and lesson, ensuring all students are seen, supported, and empowered to succeed in math.



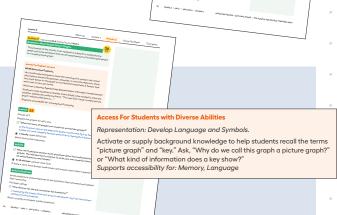
Built for Endurance and Perseverance

Lessons are designed with care and intention. From number choice to context complexity, every element is crafted to support meaningful learning and productive struggle for all students.



Support for Diverse Abilities

Each lesson includes built-in guidance for students with diverse learning needs. These supports align with Universal Design for Learning (UDL) principles — engagement, representation, and action and expression — and are embedded directly in teacher materials.



Support for Multilingual Learners

Mathematical Language Routines (MLRs), grounded in the UL/SCALE framework from Stanford, are embedded throughout. These eight consistent routines help students grow their math language, content knowledge, and communication skills.



Use multimodal examples to show the meaning of a symbol. Use verbal descriptions along with gestures, drawings, or concrete objects to show how each flower on the graph is a symbol that represents 5 flowers that

Advances: Listening, Representing Representation: Internalize Comprehension. Synthesis: Invite students to identify which details were needed to solve the problem. Display the sentence frame, "The next time I read a scaled picture graph I will pay attention to"

Supports accessibility for: Conceptual Processing

Support for Advanced Learners

Targeted "Exploration" problems offer challenge opportunities for students ready to extend their thinking.



Culturally Responsive Design

Imagine IM reflects a wide range of student identities and experiences:

- Diverse main characters and illustrations
- Inclusive and respectful portrayal of race, culture, religion, gender, and ability
- Central figures with qualities like leadership, creativity, and courage
- Opportunities to explore a variety of perspectives and contributions



Which Three Go Together?



В



 "Discuss your thinking with y parlmer."
 2-3 minutes: parlmer discussi 5 have and record responses 5 underst responses
 Sample responses

A is the prity one that is not whole. It is divided into smapping and the next are whole. Be the prices and the next are whole the true to the prices or that is not place or true; it is fredding an three cat are resting on something.







Home Connections

Each unit has a family guide, available in more than 10 languages, and written to be easily accessible, plus Family Support videos in English and Spanish. These explain prior learning, vocabulary, and math concepts through visuals and simple at-home activities — helping caregivers feel confident in supporting learning at home.

Assessment

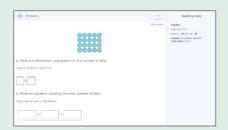


Imagine IM includes a variety of formative and summative assessments embedded at every level — unit, section, and lesson — to support instructional decision-making and student growth.

In Each Unit

Pre-Unit Practice

Pre-unit problems target key prerequisite skills and concepts. These can be used formatively to identify unfinished learning and inform instruction during the unit.



End-of-Unit Assessment

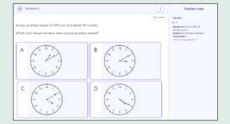
Each unit* includes a summative assessment to evaluate student understanding. Items vary in difficulty and depth of knowledge. Digital versions include technologyenhanced item types.



*Beginning in Grade K, Unit 2

End-of-Course Assessment

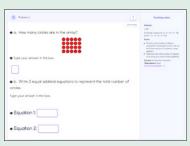
Every K–5 grade course includes a final assessment to measure learning across the full year, delivered digitally or in print.



In Each Section

Section Checkpoints

Grades K–1 include a checklist of learning indicators. Grades 2–5 use problem-based checkpoints to assess progress toward section goals.

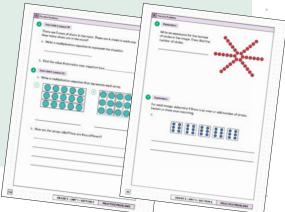


Practice Problems

Available for every lesson section in K–5 (starting in Grade K, Unit 4), these can be used for in-class practice, homework, or informal assessment. Additional practice sets are included.

Explorations

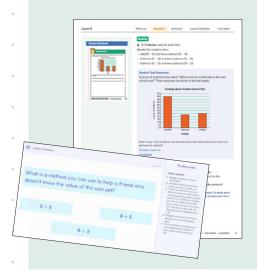
Each section offers two or more explorations or openended problems that invite creative, extended thinking at school or home.



In Each Lesson

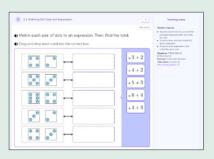
Instructional Tasks

Tasks include teacher commentary, suggested responses, and guidance to support rich discourse and deeper understanding.



Digital Task Statements

Students can engage with lesson activities digitally — whether in class, hybrid, or remote — using digital task statements built into the platform.



Cool-Downs

In Grades 2–5, every lesson ends with a cool-down to gauge student understanding. In Grades K–1, cool-downs appear throughout each section, but not necessarily in every lesson.

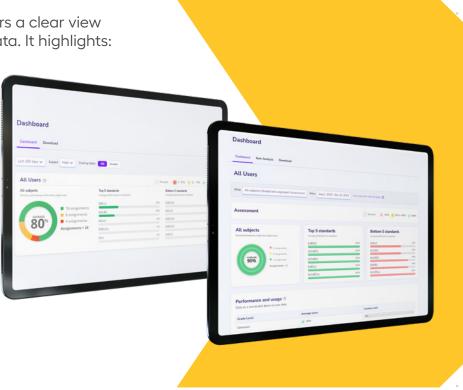


Data and Reporting

The **data dashboard** gives educators a clear view of digital assessment and lesson data. It highlights:

- Item analysis to help identify areas where students may need support
- Standards reporting to target concepts that may require follow-up
- Student-level insights to guide next steps and groupings

This actionable data empowers teachers to respond in real time and move learning forward.



Grades K-5 Scope and Sequence

	Kindergarten	Grade 1	Grade 2
Unit 1	Math in Our World	Adding, Subtracting, and Working with Data	Adding, Subtracting, and Working with Data
Unit 2	Numbers 1–10	Addition and Subtraction Story Problems	Adding and Subtracting within 100
Unit 3	Flat Shapes All around Us	Adding and Subtracting within 20	Measuring Length
Unit 4	Understanding Addition and Subtraction	Numbers to 99	Addition and Subtraction on the Number Line
Unit 5	Composing and Decomposing Numbers to 10	Adding within 100	Numbers to 1,000
Unit 6	Numbers 0–20	Length Measurements within 120 Units	Geometry, Time, and Money
Unit 7	Solid Shapes All around Us	Geometry and Time	Adding and Subtracting within 1,000
Unit 8	Putting It All Together	Putting It All Together	Equal Groups
Unit 9	-	-	Putting It All Together
Total # of days per course*	137	156	136

 $^{^{\}star}$ Total days is lessons + assessment (does not include optional lessons).

See Teacher Course Guides or the Imagine IM digital platform for full details on scope and sequence.

		200000
Grade 3	Grade 4	Grade 5
Introducing Multiplication	Factors and Multiples	Finding Volume
Area and Multiplication	Fraction Equivalence and Comparison	Fractions as Quotients and Fraction Multiplication
Wrapping Up Addition and Subtraction within 1,000	Extending Operations to Fractions	Multiplying and Dividing Fractions
Relating Multiplication to Division	From Hundredths to Hundred-thousands	Wrapping Up Multiplication and Division with Multi-Digit Numbers
Fractions as Numbers	Multiplicative Comparison and Measurement	Place Value Patterns and Decimal Operations
Measuring Length, Time, Liquid Volume, and Weight	Multiplying and Dividing Multi-digit Numbers	More Decimal and Fraction Operations
Two-dimensional Shapes and Perimeter	Angles and Angle Measurement	Shapes on the Coordinate Plane
Putting It All Together	Properties of Two- dimensional Shapes	Putting It All Together
-	Putting It All Together	_
152	156	151





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