

## Power Student Growth

Imagine a math classroom filled with students who are ready to tackle any problem, supported by a teacher who has the tools and instructional techniques needed to ensure success. Into Math ${ }^{\ominus}$ uses a growth mindset approach to learning for students and real feedback from teachers to drive growth for each and every learner.

Into Math is part of the $\mathrm{HMH}^{\odot}$ connected teaching experience, which brings together assessment, instruction, and professional learning into one seamless and streamlined system.

Explore what makes the Into Math experience the comprehensive, total solution needed to accelerate growth and make students unstoppable in the classroom.

## $\triangle \nabla O$ HMH <br> into <br> Math

Into Math was built to ensure growth for each and every student.

The journey toward a true depth of understanding and a culture of growth in every mathematics classroom becomes an achievable reality with Into Math.

## What's Inside

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## Connected Teaching and Learning

The world has changed. And we know that you are now being challenged to deliver the same quality instruction whether you are in a classroom or are delivering that instruction through remote learning.

We have been listening to you, and we understand you want a partner who delivers quality instruction, supports social and emotional learning, and allows you to pivot and provide distance learning as needed while still keeping a strong sense of your school community.

Our goal at HMH is simple. It is to support you the teacher in your goals and the inspirational work you do to create an unstoppable math classroom within and beyond its walls.

## Foster a Culture of Growth

Build a learning culture where all embrace learning mathematics by using the research and support of Mindset Works ${ }^{\circledR}$ and social-emotional learning, combined with powerful data analytics and dynamic teacher supports.

## Create Fearless Problem Solvers

Intentionally designed lessons and high-quality mathematical tasks help students develop productive perseverance in problem solving and apply knowledge to higher-level mathematics and beyond.

## Streamline Your Teaching

HMH Connected Teaching and Learning provides an intuitive user experience where easy-to-administer assessments, flexible core instruction, personalized supplemental practice and intervention, and meaningful professional learning are connected to empower teaching and learning-all on a single learning platform.

## Growth Measure

Single growth measure supports differentiation and benchmarking to drive placement, grouping, and targeted instruction.

## Core

Best-in-class digital-first approach enables both in classroom and remote learning.

## Supplemental

Flexible solutions address the diverse skills of all learners.


## Professional Learning

On-demand and live online resources give educators point-of-use support for class, community, and caregivers.

## Intervention

Adaptive, digital solutions for intervention, prevention, and acceleration towards grade level proficiency.



## BUILD

- A Love of Mathematics
- Academic Vocabulary
- Foundational Skills
- Conceptual Understanding, Procedural Fluency, Application


## ENGAGE

- STEM Connections
- Student Choice
- Independent Practice


## TRANSFORM

- Perseverance in Problem Solving
- Resilience
- Social and Emotional Learning


## SPARK

- Data-Driven Instruction
- Differentiated Support for All Learners
- Continuous, Connected Learning


## Connect Your Assessment, Instruction, and Professional Learning

With HMH's Into Math you and your school will have access to rich content and standards-based instruction assessments with actionable data insights, professional learning, and supplemental practice and instruction-all connected on Ed, the HMH learning platform.

With these tools and professional services all within one seamless experience, we can ensure you that your students will not only reach their instructional goals, but exceed them.

## Comprehensive Mathematics Program for Grades K-8



## Rich Content and Standards-Based Instruction

- Research-based, explicit, systematic instruction
- Resources and support for whole-class, small-group, and independent work
- Materials for striving and advanced learners
- Spanish Mathematics resources for students with HMH ¡Arriba las Matemáticas!



## Assessments and Actionable Data Insights

- Embedded formative assessments
- Growth Measure reports that inform instructional decisions, planning, and grouping
- Ongoing progress monitoring



## Intensive Intervention

- Developed for Tier II and III students in Grades 5-12 who are two or more years behind grade-level proficiency
- Focused on deep understanding and mastery of the essential skills and concepts necessary to unlock advanced mathematics
- Personalized instruction with an accelerated path to algebra
- Growth Mindset integration for motivation and advancement


## Professional Learning

- Implementation support: Getting Started for every teacher
- Teacher's Corner ${ }^{\text {m": }}$ : curated, on-demand curriculum-aligned content and teaching support
- Online team coaching tailored to your learning needs


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## Transform Mathematics Fear into Enthusiasm

What separates a toddler's attempt to reach a favorite toy from your students' attempts to make sense of fractions? The toddler tackles the problem without fear. Your students are natural problem solvers. What they often lack is a set of strategies for overcoming fear and tapping into their innate perseverance.

Into Math emphasizes effort in learning to reignite your students' beliefs that they're unstoppable. From embedded growth mindset tasks and explicit social-emotional instruction that support students in building critical thinking skills, to independent learning activities that encourage productive perseverance, Into Math transforms mathematics fear into mathematics enthusiasm.


# Inspire Students to Understand Their Effort Matters 

What dictates motivation? Why are some students persistent at problem solving while others are quick to give up? The answer lies in mindset and each student's belief in the power of effort.

A growth mindset guides students to understand that with perseverance they can be successful. As students put forth effort and witness their own success, they'll WANT to continue to challenge themselves as learners. Through our exclusive partnership with Mindset Works, Into Math helps teachers put strategies for developing a growth mindset into action.

How do we help students monitor their own learning with the appropriate supports?


## I Can

The scale below can help you and your students understand their progress on a learning goal.


I am proficient in adding, subtracting, factoring and expanding linear expressions with rational coefficients. I feel that I can explain this lesson to someone who is struggling.

3
I can identify problems that require me to add, subtract, factor and expand linear expressions with rational coefficients.

2 I can add and subtract linear expressions.
1 I can recognize linear expressions.

## Put It in Writing

Explain the process by which you factor a linear expression.

Put It in Writing provides opportunities for selfreflection and critical analysis.

Exit Tickets and "I Can" scales provide your students with tangible ways to monitor and celebrate their growth.

## Exit Ticket

The base of an isosceles triangle is represented by the expression $3 x-1$. Each of the legs of the isosceles triangle is twice the base. Write an expression for the perimeter of the triangle listing each side. Simplify the expression.
$(3 x-1)+2(3 x-1)+2(3 x-1) ; 15 x-5$

## ANCHOR-CHART OPTION

As you progress through the module, build and display an anchor chart.
a CONNECT MATH IDEAS, REASONING, AND LANGUAGE

## Collect and Display

Have students build their own anchor chart.
A completed chart for the module is shown here.


Build anchor charts with your class or use the pre made options provided.

Into Math is . . . a solution designed TO HELP STUDENTS PERSEVERE AND KNOW THEY CAN DO MATHEMATICS in your classroom and beyond.

# Keep Your Finger on the Pulse of Student Progress 

In order to help students grow, you need to be able to understand where they are academically and what they need. Assessment tools, embedded throughout, monitor individual student progress and provide you with valuable insights every step of the way. Monitoring student progress and providing the appropriate student supports is streamlined for your preferred instructional delivery method: face-to-face, blended, or virtual instructional delivery.


The Module Opener embedded within the Student Edition is a game-like diagnostic used to assess concept readiness for the upcoming module.

Are You Ready? diagnostic assessments help you pinpoint students' gaps in skills needed for success in the upcoming module. They are available in the Student Edition or as an interactive online assessment.


## Diagnostic, Summative, and Formative Assessments are easily accessible for teachers and students



Check Understanding formative assessments are just one way teachers and students can monitor progress within the lesson.


Module and Unit Assessments have multiple forms that can be edited. The High-Stakes Assessment book provides sample tests, standardsbased lessons, and more.


## Differentiate Learning and Assemble Flexible Groups

The data provided by our assessment tools help teachers identify the resources they can use to differentiate instruction in order to support student learning. Depending on their individual needs, students can move flexibly in and out of groups all year long. This equitable approach can be used when and where it is needed to ensure students thrive.


Mr. Baxter receives class and student scores for the Module 7 Are You Ready?
Diagnostic Assessment.


The average test score for the class is $77.3 \%$. Mr. Baxter wants to see which students are ready to be challenged more, which students have mastered the concepts and skills, and which students need more targeted support.

After administering any assessment, Mr. Baxter can immediately review the class performance on Ed. He can quickly see a class-level breakdown of performance, as well as which items he should review with his students. From here, he can select the Grouping Report to have Ed sort the students into performance groups automatically. Item Analysis, Assessment Reports, Standards Reports, and Suggested Resources are just a click away for Mr. Baxter.


Groups are suggested based on student performance on assessments. Teachers can then modify these to form mixed-ability and other groupings.


Drilling down into the data, teachers can analyze which items students have answered incorrectly or correctly. The items can be reviewed as a class, in groups, or one-on-one.

## Track Yearly Progress with HMH Growth Measure

Meeting students' varied needs begins with a reliable benchmark assessment. HMH Growth Measure is the adaptive assessment that provides timely insights into student proficiency and connects these insights with Into Math program data. Make the most of your assessment data with Growth Measure on Ed-one test, one place, meaningful connections.


Christine Bracco is a seventh-grade student who has gained 100 Quantile ${ }^{\circledR}$ measures from the beginning to the middle of the year. Her teacher can see her Math Growth Measure data from previous years to track her progress year over year.


## ת <br> Growth Measure

Benchmark assessment data from HMH Growth Measure combine with
in-program assessment data from Into Math in the Standards and Growth Reports to form a more complete picture of a student's knowledge.

- Administer with Ease
- Assess in a Meaningful Way
- Connect Assessment with Relevant Practice in Waggle


Intuitive Reports highlight
Student Growth, Standards
Mastery, Assessment
Performance, Item Analysis, and more.


## Success You Can Measure and Celebrate

Into Math's unique lesson design provides a purposeful path to conceptual understanding and procedural fluency. This is achieved because Into Math

- Emphasizes the importance of the "why" behind the "how"
- Allows students to build a deep understanding of mathematical concepts
- Connects conceptual to procedural lessons in a purposeful way
- Ensures students develop the ability to effectively apply understanding to higher level mathematical thinking
- Provides actionable data to identify gaps in knowledge with resources for teachers to target and repair these gaps


- Explaining their thinking to their peers
- Making sense of problems in ways that allow easier application to new situations
- Critiquing the thinking of others, constructing viable arguments, and persevering



# Unique Lessons Designed for Rigor Right from the Start 




## Give Students an Empowering Solution That Motivates

As your students embark on their mathematics journey, they need the right supports at the right time. With Into Math, high-quality mathematical tasks, opportunities for collaboration and mathematical discourse, digital tools, and games work together to deliver an equitable learning experience that keeps students engaged from beginning to end.


Spark Your Learning tasks build a shared understanding and allow learners to engage in the task at their own level. These tasks develop students' productive problem-solving habits and critical mathematical language.

For English learners, embedded Turn and Talk activities, designed by our experts at Math Solutionse, build proficiency and confidence while promoting mathematical discourse opportunities.


The Teacher Edition provides you with guiding questions to help students persevere with the tasks and supportive questions for your EL students.

Spark Your Learning • Student Samples


Corrective Feedback for common errors
supports teachers at every step.

## Ensure Growth with Handy Resources

Into Math supports the potential growth within each and every student by providing

- English and mathematical language development embedded into every lesson
- Research-based routines that engage all students in listening, speaking, reading, and writing about mathematics
- English Proficiency Level supports that keep the rigor intact while students are mastering the language
- Ongoing assessments that enable teachers to offer targeted and specific instruction for every student's needs (also available in Spanish)

Three Reads Lessons 1.1 and 1.4
Students read a problem three times with a specific focus each time.
1st Read What is the problem about?
2nd Read What do each of the numbers describe?
3rd Read What math questions could you ask about the problem?
Stronger and Clearer Each Time Lessons 1.3, 1.5, and 1.6
Students write their reasoning about a problem, share that reasoning, explain it, listen to feedback, respond to feedback, and then refine their reasoning by writing again.

Compare and Connect Lessons 1.2, 1.3, and 1.6
Students listen to a partner's solution strategy, identify it, and then compare it to and contrast it with their own.

## Critique, Correct, and Clarify Lesson 1.4

Students correct the work in a flawed explanation, argument, or solution method; share with a partner; and refine the sample work.

Embedded into every lesson, Language Development
Routines guide you through the steps you need to take to ensure all learners succeed.



Teacher Tabletop Flipcharts provide
teachers with pulled small-group, teacherled tasks for every lesson within Into Math.

## Teacher Directed Small-Group Mini-

Lessons give students the chance to work directly on the skills they need to learn with teacher guidance.

## English Language Proficiency Level

supports keep the rigor intact for all of your learners of the language of mathematics.

Just-Right Questions stretch student thinking and help them work through challenges. Guided discussion questions offer opportunities for teachers to prompt conversations that build understanding.

Leveled question suggestions with associated Depth of Knowledge (DOK) levels within the Teacher Edition further support the strengthening of student understanding.
(1) Learn Together

## Step It Out

Task 1 MP Reason Students may think that when comparing tables, graphs, and written descriptions, there is only one kind of representation that is correct. Encourage students to develop their understanding and consider their preferences by discussing the features of each representation and how they convey information about the real-world situation.

Sample Guided Discussion:
Q How does the table show Lincoln's running rate? The rate is the slope, or rise over run.

Turn and Talk If some students are having trouble identifying the running rate from the table or graph, ask other students to explain how the rate can be calculated from the data. Possible answer: choose a graph, because it demonstrates all the runners' progress across 3 hours and displays how much farther Taylor ran than Lincoln and Brooklyn did.
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ed the Turn and Talk.
OPTIMIZE OUTPUT tations have

Stronger and Clearer Each Time
Have students share how they answered the Turn and Talk.
As a class, discuss how all three presentations have advantages and are useful in different situations.

## More Resources When You Need Them



Differentiate for every student with embedded recommendations and resource suggestions.

Have Spanish-speaking students? Engage with them using iArriba las Matemáticas! ${ }^{\text {m" }}$ on Ed with the Interactive Spanish Student Materials, or choose Spanish Unit Project Cards or Game and Activity Cards to engage them in their native language while they practice English with their peers.

Math Task Center Stations provide opportunities for students to work together on games and activities that reinforce lessons, communication between peers, and the Mathematical Processes and Practices.


Math on the Spot, located in Family Resources, provides students and families with videos and interactive experiences that help with homework. Additionally, access the Family Room for tips and strategies to bolster at-home learning.


Waggle goes beyond adaptive learning to truly personalize practice and instruction-complementing Into Math to support students at all proficiency levels. Combine Waggle's supplemental practice, instruction, and formative assessment with Into Math.

## Waggle

Contextualized Learning gives students the opportunity to see that mathematics has purpose. Each unit is tied to a career theme and offers related problems that link students' career aspirations to mathematics.


## Make Math Enthusiasm a Family Activity

Language Supports for Home empower parents to share in the excitement of their child's math success.

- An English/Spanish Interactive Glossary provides students with the space to make sense of key vocabulary terms with their own words and illustrations.
- A Multilingual eGlossary translates English vocabulary into nine additional languages.
- School-Home Letters highlight what students are learning in the classroom and provide practical applications for parents to join their child on the learning journey.


# Make the Most of Instructional Time 

What do you need to effectively support students as they grow into their potential? More than anything else, you need the ability to make the most of your instructional time.

From the moment you sit down to plan instruction for the year ahead, to the day your students move from your classroom to the next, Into Math was designed to support you.

- Day-to-day planning is streamlined, ready to use, and customizable.
- Data collection is automated and easy to access and interpret.
- Differentiation strategies and resources are targeted, clear, and easily implemented.
- Professional learning support is embedded throughout every lesson and available on demand for the life of your subscription through Teacher's Corner, your digital hub for professional learning. This is your place to collaborate and dig into content from thought leaders, authors, HMH coaches, and other teachers, for the life of your subscription.




## Real-time data insights

empower you to spot proficiency gaps, identify students who are ready to stretch their thinking even further, and match students with targeted resources that meet them where they are in their journey.


Easy-to-use grouping and planning tools allow you efficient sharing of assessments and lesson plans, even in Google ${ }^{\circledR}$ Classroom.

## Streamline Planning with All-in-One Resources



Planning is easy with Ed. You can leverage data to create lesson plans as well as assign work to entire classes, multiple classes, or individual students.

Ed, the HMH learning platform, is an online learning system that combines the best of technology, content, and instruction to create a comprehensive teaching and learning experience for every teacher and student. With Ed, teachers can easily plan lessons and group students to provide targeted differentiation.

## Print Resources for Planning and Differentiation



## Planning and Pacing Guide

Broken out by lesson type, color-coded Planning and Pacing Guides walk you through each lesson, module, and unit by spotlighting the mathematics standards you'll be addressing, guiding you in determining the pace of your instruction, and calling out additional resources.

| DATA-DRIVEN INTERVENTION |  |  | MTSS Rti) |
| :---: | :---: | :---: | :---: |
| Concept/Skill | Objective | Prior Learning * | Intervene With |
| Solve One-Step Equations | Solve equations of the form $x+p=q$ and $p x=q$. | Grade 6, Lessons 9.2-9.4 | - Tier 3 Skill 6 <br> - Reteach, Grade 6 Lessons 9.2-9.4 |
| Ordered Pairs on the Coordinate Plane | Find and position pairs of rational numbers on a coordinate plane. | Grade 6, Lesson 11.1 | -Tier 2 Skill 9 <br> -Reteach, Grade 6 Lesson 11.1 |
| Divide Fractions and Mixed Numbers | Compute quotients of fractions. | Grade 6, Lessons 3.2-3.4 | -Tier 2 Skill 6 <br> -Reteach, Grade 6 Lessons 3.2-3.4 |
| Ratio Language | Understand and write ratios. | Grade 6, Lesson 5.1 | - Tier 2 Skill 1 <br> -Reteach, Grade 6 Lesson 5.1 |

Data-Driven Intervention
Broken down by concept and skill, Data-Driven Intervention call-outs take the guesswork out of closing learning gaps before they take hold.

## Actionable Data to Create Exceptional Lessons

Get a clear picture of where students are on their learning journey with actionable data that are valid and reliable. Comprehensive, real-time assessment data and interactive reports allow you to view your students' strengths and weaknesses as you plan for the resources they'll need.



Grouping Reports assist you in confidently grouping students based on data-driven recommendations. Resources and activities are easily assignable for each grouping.

Teachers, who know their students best, can quickly adjust groups with a simple drag-anddrop feature.


Interactive Reports allow you to drill down into the data to get a clear picture of how each student is performing in relation to grade-level proficiency, standards mastery, and his or her peers.

## Equity through Ed

Ensure every student benefits from the resources, supports, and tools Into Math provides with access to Spanish resources with ¡Arriba las Matemáticas!! Teachers also gain access to multiple grade levels of content to support intervention and guide them in stretching student thinking on Ed.

Introducción del modulo
Comprende la suma y la resta de números racionales


> Cinco exploradores estàn cada uno a diferentes alitudes en una cueva. Los números racionales $-\frac{3}{5},-\frac{9}{10},-\frac{1}{5}, \frac{1}{2} y$ $1 \frac{1}{5}$ muestran sus atitudies enkiliometros. Los signos de los nümeros indican la la altitud por encima $(+)$ o por debajo $(-)$ del nivel del suelo.

## Continuous Support at Your Fingertips

We're committed to ensuring your success with Into Math throughout the year. You don't expect your students to master all their skills within the first week of school, and the same shouldn't be expected of you. That's why we've designed our professional learning to be ongoing, flexible, and actionable.

Whether you're a first-year mathematics teacher or a teaching veteran, Into Math was designed to place learning opportunities at your fingertips every step of the way. From embedded professional learning to job-embedded coaching, experts from Math Solutions take the guesswork out of your implementation and ensure you and your students are successful with Into Math.


Ed's Resources are designed to support you in ensuring accessibility and achievement for all students.


Getting Started Training Builds Confidence: Teaching a new program can be overwhelming, especially when you have so many different resources at your fingertips. We know you can't take in every detail before you start teaching, so our Getting Started training is streamlined to focus on preparing you for your first three weeks.

Follow along, explore the program online, and ask a Math Solutions coach questions when they come up.

Follow-Up Training Tailored To Your Needs: Once you begin teaching, you'll have more questions and need more support. That's why we provide additional opportunities for you to connect with a Math Solutions coach throughout the year.

Follow-up topics range from support with instructional routines to differentiating instruction. These shorter sessions allow you to stay engaged and build your expertise in a manageable way.

## Introducing Teacher's Corner

Getting help or refining your practices isn't limited to scheduled trainings or coaching. With Teacher's Corner, you have access to on-demand professional learning and teaching support via Ed anytime, anywhere.


## Welcome to Teacher's CornerA Place Just for You.

We want you to feel confident teaching with our programs-and that comes with ongoing support. Teacher's Corner gives you the support you want with an ever-growing library of professional learning resources from authentic classroom videos to tips from others teacher and our team of experienced coaches.

So whether you want to quickly prep for a lesson or invest time in your professional growth, we have trusted resources to enhance your instruction and classroom tomorrow.


## On-Demand, But Not One-Size-Fits-All

Teachers have the choice of bite-size professional learning resources that were designed to be easily applicable to tomorrow's instruction. We empower teachers with the information they need to choose what's right for them and offer a variety of media types, duration time, and authors.

## Curated, Trusted Content

There's no shortage of free resources online, but with Teacher's Corner, professional learning and instructional recommendations align to researchbased practices. Hear from prominent thought leaders, experienced coaches and former teachers, and practicing teachers.

## Relevant and Ready for Tomorrow's Instruction

Teacher's Corner includes authentic classroom videos and articles from teachers who are currently teaching with HMH programs. The number one teacherrequested resource, these videos will build teacher confidence and share how the programs can be tailored to each classroom's unique needs.


## Professional Learning Videos

show teachers how to facilitate Math Talk and guide students in Spark Your Learning tasks.

## Live Community Support

Whether they have a question or want implementation advice, our Live Events offer teachers opportunities to connect with HMH coaches and each other. Teachers can register for these online sessions that feature everything from groundbreaking new author research to group discussions facilitated by other teachers.

 figure out what everything was, how much time l'd be using each item, and where everything would $g \circ$. wanted to come up with a way to keep into Math manage


Related Content


Thursday, May 28, 7:00 PM Classroom With Elementary Students Tips and benefits for infusing mindfuluess into your classrom.


## Extend Your Professional Learning

Whether you are interested in focusing on instructional best practices, deepening your content knowledge at each grade level, or closing the achievement gap, Math Solutions can provide the support you need to grow your practice with online coaching, courses, and professional learning communities.

## $\Delta \square$ HMH Coaching Studio

Award-winning HMH Coaching Studio platform allows you to stay connected with your coach and your colleagues, share and upload resources, and access a library of on-demand lesson-modeling videos.
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## Extend Fearless Problem Solving beyond the Classroom

As our country increasingly depends on STEM careers and competition builds for future jobs, we are focused on the bigger picture: extending fearless problem solving beyond the classroom.

Preparing our students to tackle the challenges ahead starts with a continual investment in you, their educators. Into Math provides you with the tools you need to save time, simplify planning, and expand your ability to inspire young minds. You'll see learners become engaged as they master mathematical concepts and skills and discover the power of perseverance.

## Let's get Into Math!




Matemáticas!"


## A Vision for

 Student Growth
## Learn more about Into Math at hmhco.com/intomath

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