

Lauren Taylor
Math Product Marketing

Personal Math Trainer® Powered by Knewton



Changing People's Lives by Fostering Passionate, Curious Learners



As one of the world's largest providers of pre-K–12 education solutions, we specialize in **dynamic** learning content for students, teachers, and parents.

Available through multiple channels and platforms, our content meets the needs of lifelong learners, no matter where and how they learn.

As a global leader in lifelong learning, we combine **cutting-edge** research, editorial excellence and technological **innovation** to make learning more dynamic, engaging, and **effective**.

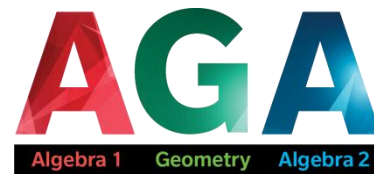
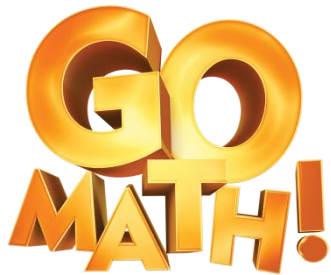
An Unparalleled Partnership



Knewton, the leading adaptive learning provider, has partnered with HMH to give you even more ways to provide adaptivity to your classroom and assist in personalizing your students' assignments.

Personal Math Trainer® Powered by Knewton

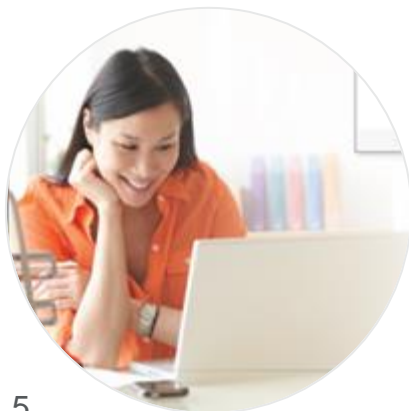
Houghton Mifflin Harcourt's new K-12 math programs feature the **Personal Math Trainer Powered by Knewton** to give you and your students a unique online homework and assessment experience.



What is the Personal Math Trainer?

The Personal Math Trainer Powered by Knewton is a powerful online homework, assessment and **personalized** learning system, with **adaptive** intervention for students and **robust** reports for teachers.

This cutting-edge system provides you with **real-time** insights into each student's needs, challenges, preferences, and pace. So you can quickly and easily change the course of your instruction to ensure success.



What makes the Personal Math Trainer special?

**AUTOMATIC
GRADING &
REAL-TIME
FEEDBACK**

**DESIGNED FOR
21st CENTURY
LEARNERS**

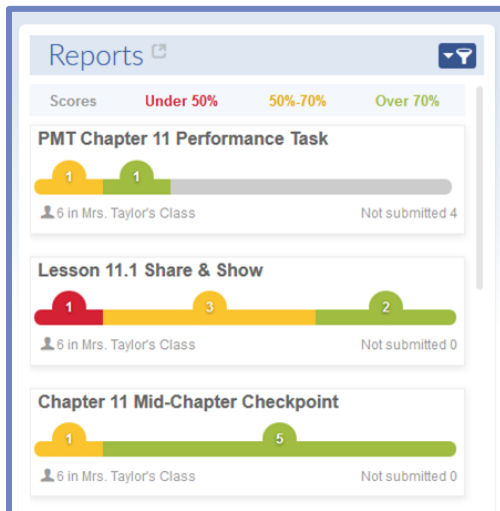
**PREPARATION
FOR
ASSESSMENTS**

**ADAPTIVITY
FOR EACH
STUDENT**

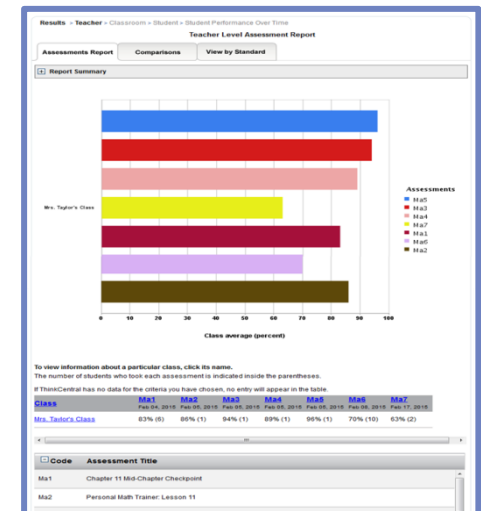
Automatic Grading & Real-Time Feedback

AUTOMATIC GRADING & REAL-TIME FEEDBACK

- The PMT automatically scores assignments for you and feeds details about student performance into useful reports.
- These ongoing reports will help you determine if a student needs specific help or if there is a trend that you should address with the class before students move to the next section.



Standard Details		
Student	Estimated Proficiency	Active Time
Carter, Owen	High	13m
Chiang, Jenny	Medium	18m
Gupta, Krishna	High	16m
Lustig, Joshua	Medium	9m
O'Neil, Miles	Low	9m
Ziegler, Claire	Very high	19m



Knewton Analytics Report

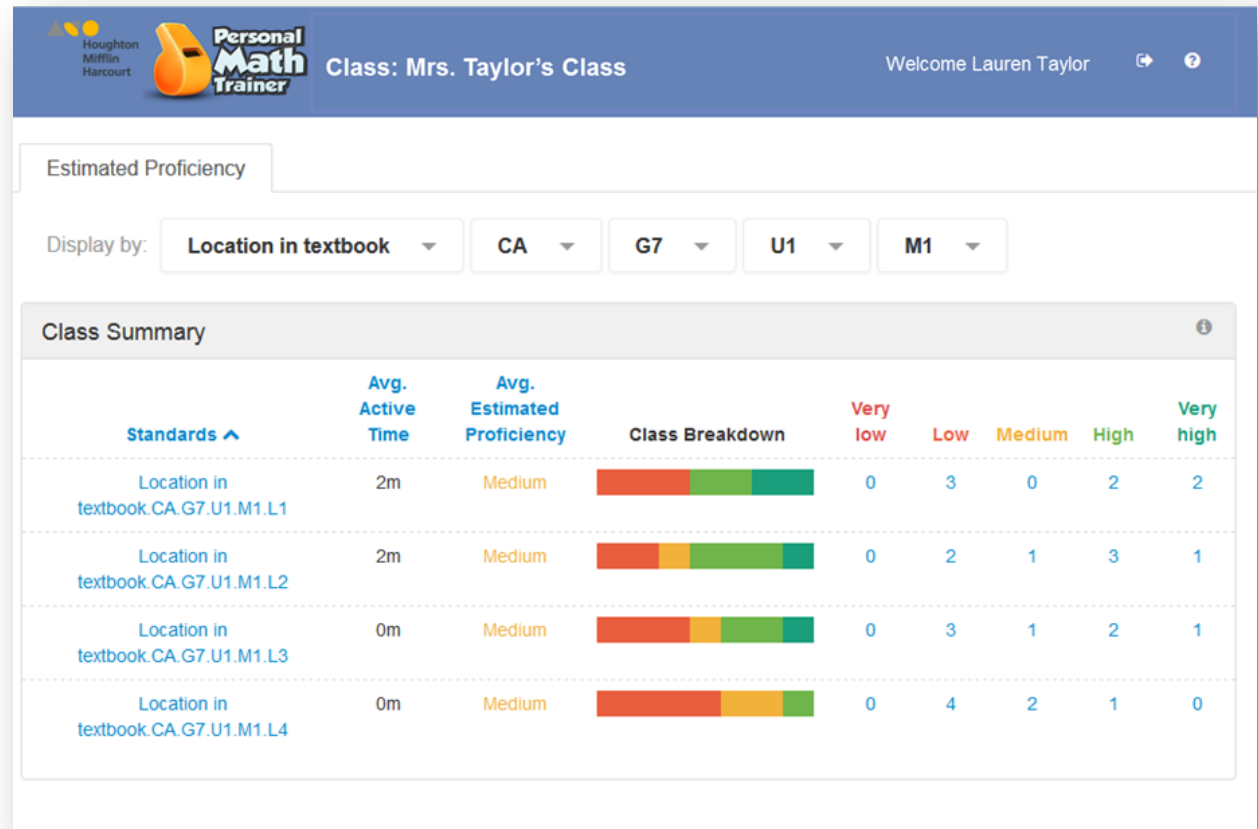
The **Knewton Analytics Report** provides you with a detailed picture of your students based on their performance within any assigned PMT assessment—as a whole and individually.

Consider it this way...Knewton is an artist that you have commissioned to paint a profile of each of your students based on their cumulative PMT experience.



Key Information in the Knewton Analytics Report

- The Knewton Analytics Report is a glimpse into the portrait that Knewton is continuously painting.
- Every time students work in the PMT, Knewton will record their engagement with the lesson content.
- The more students use the PMT, the more defined each portrait becomes.



Any Questions?



Preparation for Assessments

PREPARATION FOR ASSESSMENTS

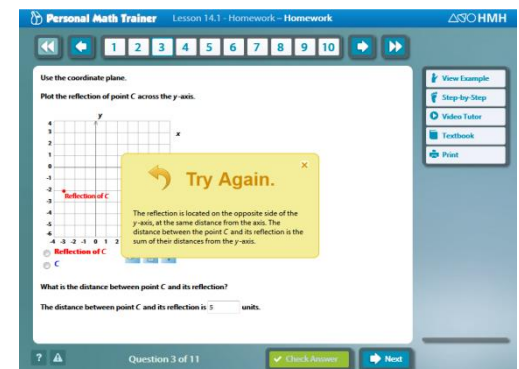
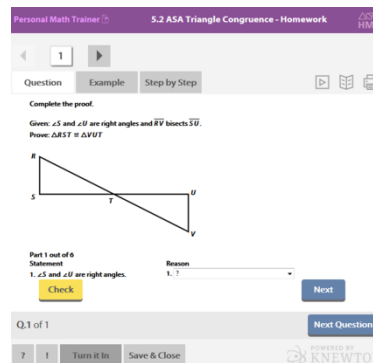
- The Personal Math Trainer provides opportunities for students to practice test-taking in an online environment similar to that of high-stakes assessments.
- Embedded in the program's digital student components, the PMT serves as a one-stop shop for practice, assessment, homework, and intervention.
- Best of all, the PMT targets each student's individual needs and provides content support up to 2 grade levels below their current grade!



Designed for 21st Century Learners

DESIGNED
FOR 21st
CENTURY
LEARNERS

- As students complete problems in the PMT, their work is graded with immediate feedback and targeted instruction to set them on the right course for success.
- The PMT provides multiple iterations of items, so students can practice the same question multiple times with new values each time.
- Students will love the continuous support that the system provides for every lesson, including Step-by-Step solutions and Video Tutorials.



Adaptivity for Each Student

ADAPTIVITY FOR EACH STUDENT

- Knewton, a leader in adaptive learning technology, makes the Personal Math Trainer an unparalleled and powerful personalized learning machine.
- This cutting-edge system can identify student proficiencies and weaknesses, as well as create personalized study plans for every student...all with the click of a button.
- Teachers can request that students receive personalized Enrichment or Intervention exercises with any Test, Quiz, or Homework Assignment.

Differentiated Instruction for All

The Personal Math Trainer features different types of Knewton Adaptive Workflows that you can assign depending on the type of intervention or enrichment you need.



Daily Intervention and Enrichment



- Recommended for students that struggle with the lesson content and need a little extra help before working on the assignment.
- This adaptive workflow was designed for formative, daily use in the classroom or computer lab, to accompany homework, or as an instructional option in a blended learning environment.
- Students that demonstrate a clear comprehension of lesson content receive a personalized enrichment exercise that encourages them to expand their knowledge of assigned standards and concepts.

Intervention Workflows

Personal Study Plans (K-6)

Course and Standard-Based (6-12)



- Recommended for students that struggle with the content and standards being taught in a particular assignment or need who need additional preparation for benchmark and end-of-course exams.
- This adaptive workflow was designed to accompany summative assessments at the end of a chapter or unit, or to provide targeted students with review, intervention, and re-assessment opportunities.

Any Questions?



Personal Math Trainer

From the Student Perspective



Personal Math Trainer Take-Away

**AUTOMATIC
GRADING &
REAL-TIME
FEEDBACK**

**PREPARATION
FOR
ASSESSMENTS**



**DESIGNED FOR
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LEARNERS**

**ADAPTIVITY FOR
EACH STUDENT**



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For more information on the Personal Math Trainer,
please contact your Account Executive.

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Grazie
Danke
HM
Mahalo
Gracias
Tak
Integrated
Math
HighSchool
Geometry
Spasibo
Obrigado
Mathematics

Algebra
Thanks