About LearnZillion

LearnZillion is Illustrative Mathematics’ certified curriculum and professional development partner. We provide the materials, tools, and support districts need to roll out the curriculum.

LearnZillion Illustrative Mathematics 6-8 Math empowers teachers to shift math classes from workbook time to discussion-and-problem solving time. With easy-to-use lesson plans, student materials, and built-in teacher guidance, LearnZillion’s implementation removes barriers for teachers. Instead of spending hours prepping lesson materials, teachers can focus on understanding the math and differentiating to meet all their students’ needs.

Each lesson includes ready-to-present, student-facing visuals accompanied by teaching notes. The teaching notes highlight practical teaching moves that keep the lesson on track and provide advice on how to meet students at different levels. As a result, LearnZillion eliminates the need for additional teacher prep work, ensuring that teachers have time to address the most important components of Illustrative Mathematics’ problem-based curriculum.

In addition, LearnZillion has integrated digitized Illustrative Mathematics assessments and practice items so that teachers can receive auto-scored formative feedback on student mastery, and students can practice answering tech-enabled questions.

LearnZillion Illustrative Mathematics 9-12 Math is coming soon.

Mathematical Foundations of the Curriculum

Illustrative Mathematics 6-8 Math is a problem-based core curriculum rooted in content and practice standards to foster learning and achievement for all. Students learn by doing math, solving problems in mathematical and real-world contexts, and constructing arguments using precise language. High-leverage routines guide teachers in understanding concepts and procedures so that they can better facilitate student learning.
Professional Learning

We work closely with districts’ math coaches and teachers in deepening their understanding of the curriculum and building their skills through year-long embedded instructional support, delivered in person and virtually.

Our professional learning engagements improve your team's’ ability to deliver lessons and assessments and support meaningful practice shifts that lead to improved student outcomes.

Implementation Support

We provide the following materials, tools, and support:

Print:

High-quality student workbooks delivered directly to your district or school

Cloud-based software:

Formats that:

- Move teachers from reactionary to strategic every day
- Ensure professional development guidance is embedded in the curriculum so that it is reinforced daily
- Empower teachers to turn strategy into action
Lesson 8: Area of Triangles

8.1 Warm-Up

Here is Triangle M. Han made a copy of Triangle M and composed three different parallelograms using the original M and the copy, as shown below.

What do you notice? What do you wonder?

Teaching notes

Pacing: 10 minutes for entire Warm-Up
The Warm-Up spans three cards. This is card 1 of 3.

Instructional routine:
Notice and Wonder
- Think Pair Share

Launch
- Display the images of the triangle and the three parallelograms for all to see.
- Give students a minute to observe them.
- Ask them to be ready to share at least one thing they notice and one thing they wonder.
- Give students a minute to share their observations and questions with a partner.

Notice and Wonder

Read more about the instructional routine Notice and Wonder

What:
Students are shown some media or a mathematical representation. The prompt to students is “What do you notice? What do you wonder?” Students are given a few minutes to write down things they notice and things they wonder. After students have had a chance to write down their responses, the teacher asks several students to share things they noticed and things they wondered; these are recorded by the teacher for all to see. Usually, the teacher steers the conversation to wondering about something mathematical that the class is about to focus on.

Where:
Appears frequently in warm-ups but also appears in launches to classroom activities.
Integrated digital assessments and district, school, and class reporting for insights into usage and classroom performance

Digital interactives powered by Geogebra and Desmos and seamless LMS and SIS integration

Explore the curriculum and its supports at learnzillion.com/p/illustrative-mathematics