

The Math Door

Math-Mapper™ 6-8



MATH-MAPPER



Math-Mapper 6-8 offers:

- An attractive learning map that lets students immediately see what they need to learn
- A set of diagnostic assessments that pinpoint immediately students' strengths and weakness
- Opportunities to revise answers, retake assessments or offer comments on items
- A set of curated free resources to help students learn
- Support for student-to-student interactions to understand their own reasoning and improve

Student need opportunities to find compelling problems to work on at their level, and to explore how to use mathematics to make sense of their world. To personalize instruction, teachers need to give students opportunities to work together and explore, but they also need to be sure all their students are building an understanding of the ideas and taking on higher-based reasoning. Math-Mapper 6-8 supports students in becoming aware of their own strengths and weaknesses, checking their progress, and working with their teachers and peers to be successful and motivated.

ASSESSMENT

- Timely
- Systematic for all students
- Accurate
- Relevant to teaching
- Informative on student progress
- Precise
- Can be taken multiple times

LEARNING MAP

- Clear vision of learning goals
- Identification of big ideas
- Professional development for teachers
- Support for student-centered instruction
- Ties to Common Core Standards

CURRICULA

- Access to curated free web-based resources
- Means to evaluate curricula
- Rich and compelling tasks
- Compatibility with multiple sequences and approaches

Students in middle grades are most at risk to lose their confidence in pursuing advanced courses in mathematics. They and their parents need accurate and precise information about what their needs are and how to address emerging weaknesses. An ideal way to do meet their needs is to assess their progress towards proficiency regularly and provide assistance immediately, before problems snowball and students get discouraged. Math-Mapper™ 6-8 is built on research-based learning trajectories. Learning trajectories identify the typical misconceptions students can harbor that interfere with progress and check key landmarks of understanding. The diagnostics are taken at the time the material is taught, thus avoiding those costly delays that can get students in hot water.

