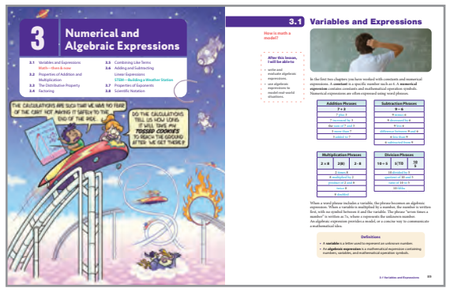
Build Foundations for High School

Begin preparing your students for the transition from middle school to high school math with this visually engaging course! *Fundamentals of Math* presents a balanced study of the foundations of mathematics with practical, real-life applications. Striking chapter openers and thought-provoking cartoons draw students into the content and get them thinking and talking about how math can be used to solve problems and serve others. This course will challenge your students in how they think about and use math.

Course Features



Mathematical Modeling

Students learn how to use mathematical models to build understanding of how quantities relate to structure in the real world.

Differentiated Instruction

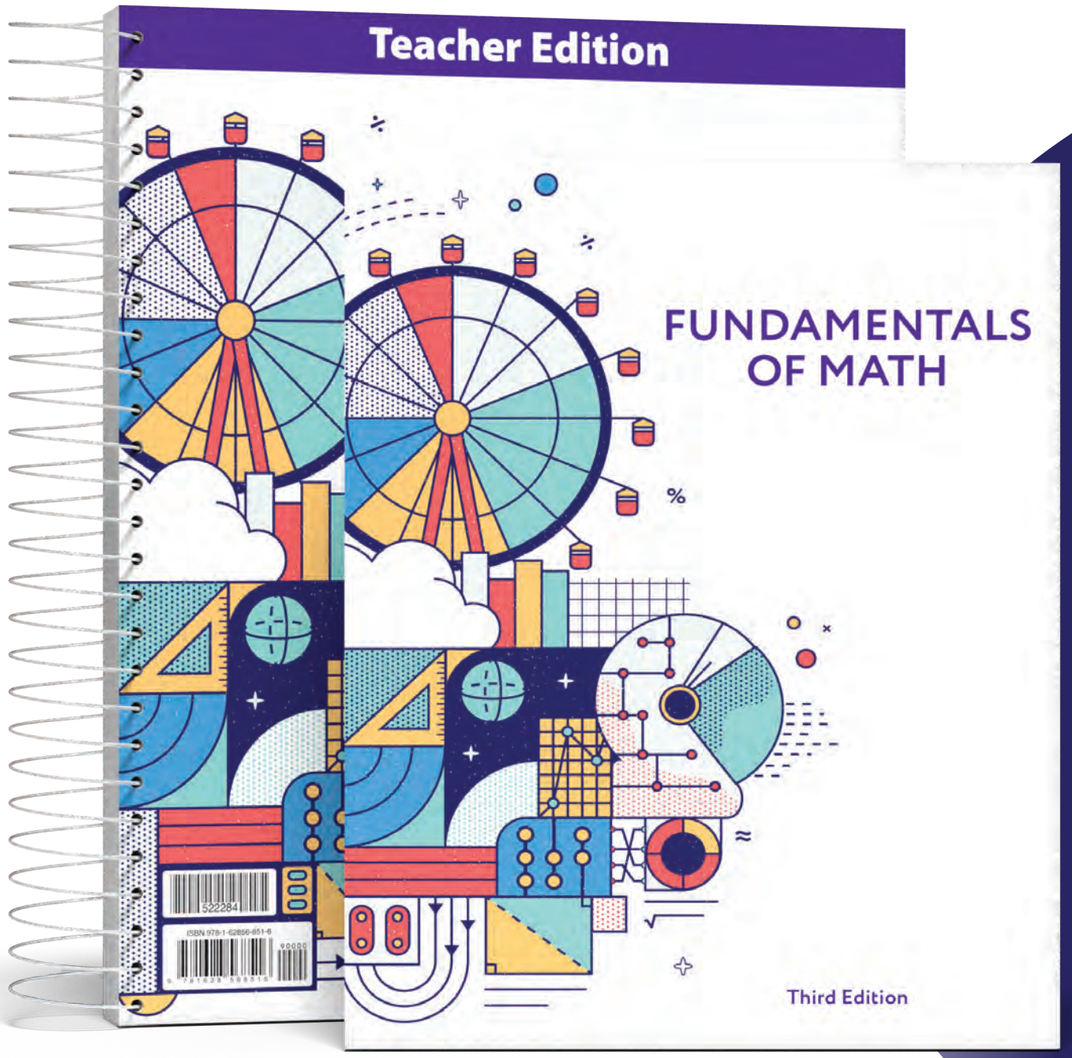
Teachers will find suggestions for minimum, standard, and extended tracks to differentiate assignments for exercise sets throughout the course.

STEM Projects

Four STEM projects offer opportunities for direct application of math skills to real-world problems.

Critical Thinking Development

In lessons, discussions, and collaborative activities, students will focus on learning why mathematic principles work so they can apply those principles to solve real-world problems.



Materials

Student Edition

The Grade 7 math textbook reviews foundational math concepts from elementary math and dives into middle school math concepts. Students will review whole numbers, decimals, integers, fractions, measurements, and geometry, and they will extend their knowledge of square roots, exponents, algebraic expressions, equations and inequalities, percentages, functions, probability, surface area and volume, and statistics. Each exercise set includes a spiral review of previously learned concepts.

Teacher Edition

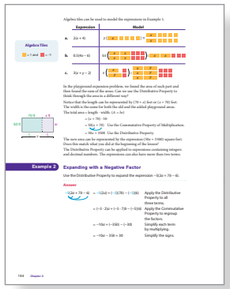
The *Fundamentals of Math* teacher edition equips educators with teaching notes, discussion guides, teaching strategies, activities, and suggestions for differentiated instruction to create a path toward success for middle school students. Lessons follow a logical teaching cycle with four steps: engage, instruct, apply, and assess.

Activities

The student activities workbook provides students with additional opportunities for practice, review, and application. Activities include full explanations for the quarterly STEM projects, enrichment activities, mixed review sets, math games, cumulative reviews, cooperative learning activities, and discovery activities.

Also available: activities answer key, assessments, and assessments answer key

Modeling



Math—then & now

STEM Projects