

7th Grade Math Syllabus

Patricia Sullivan
Conference 8th period

Course Description

This course focuses on building mathematical reasoning and problem-solving skills. Students will explore number operations, proportionality, geometry, statistics, probability, and algebraic relationships. This curriculum aligns with the Texas Essential Knowledge and Skills (TEKS) for 7th-grade math.

Course Objectives (Aligned to TEKS)

Students will:

- Apply operations with rational numbers (positive and negative integers, decimals, fractions).
- Solve problems involving ratios, rates, and proportions.
- Work with linear equations and inequalities.
- Analyze and represent data using statistics and probability.
- Understand and apply geometric concepts, including area, volume, and surface area.
- Represent and solve problems involving financial literacy (e.g., interest, taxes, budgeting).

Objectives

7th grade math in Texas focuses on building a strong foundation in numerical reasoning, algebraic thinking, proportional relationships, geometry, and data analysis. Students develop critical problem-solving skills and apply mathematical concepts to real-world situations.