



Jr. High School Math Core Curriculum

7th Grade Mathematics or 7th Grade Mathematics (H)

7th Grade Mathematics focuses on: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

Grade: 7

Length: 2 Semesters

Prerequisite: None

8th Grade Mathematics or 8th Grade Mathematics (H)

8th Grade Mathematics focuses on: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Grade: 7-8

Length: 2 Semesters

**Prerequisite: 7th Grade Mathematics or
placement test**