

8th Grade Common Core Syllabus

TOPIC	FOCUS ON
1 - Real Numbers	Students explore irrational numbers and work with radicals and integer exponents.
2 - Analyze and Solve Linear Equations	Students analyze, write, and solve linear equations.
3 - Use Functions to Model Relationships	Students define, evaluate, and compare functions. They also use functions to model linear relationships.
4 - Investigate Bivariate Data	Students explore bivariate data and investigate patterns of association.
5 - Analyze and Solve Systems of Linear Equations	Students analyze and solve systems of linear equations.
6 - Congruence and Similarity	Students explore concepts of congruence and similarity.
7 - Understand and Apply the Pythagorean Theorem	Students explore and apply the Pythagorean Theorem.
8 - Solve Problems Involving Surface Area and Volume	Students solve problems involving surface area and volume of cylinders, cones, and spheres.