**8th Grade Math Syllabus**

Course Description: 8th grade math is focused on building foundations for numbers, operations, ratios, proportions, algebraic expressions and equations, and geometry. Math in Focus is the curriculum used and covers the aforementioned topics as well as exponents, equations, statistics, and probability for high school math.

Unit 1:

Chapter 1: Exponents

Chapter 2: Scientific Notation

Unit 2:

Chapter 3: Algebraic Linear Equations

Chapter 4: Lines and Linear Equations

Chapter 5: Systems of Linear Equations

Chapter 6: Functions

Unit 3:

Chapter 7: The Pythagorean Theorem

Chapter 8: Geometric Transformations

Chapter 9: Congruence and Similarity

Unit 4:

Chapter10: Statistics

Chapter 11: Probability