**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