Scope and Sequence

| Content Area: | Mathematics |
|---------------|-------------|
| Course(s): | Mathematics |
| Time Period: | Full Year |
| Length: | Full-Year |
| Status: | Published |
| | |

Course Overview

The Math 8 curriculum will enhance student understanding of linear relationships. Each algebraic unit will build upon this topic throughout the course, beginning with number systems and solving one-variable equations and ending with solving systems of equations and utilizing properties of functions. Skills from previous units will be utilized throughout the course. The Math 8 curriculum will also cover geometry topics including, the Pythagorean Theorem, angle relationships, transformations, and volume. All units are based upon the Grade 8 New Jersey Student Learning Standards for Mathematics.

Scope and Sequence

| Order of the Unit | Title of the Unit | Time Frame |
|-------------------|--|------------|
| Unit 1 | The Number System | 4 weeks |
| Unit 2 | Equations and Expressions | 4 weeks |
| Unit 3 | Geometry | 6 weeks |
| Unit 4 | Linear Relationships | 5 weeks |
| Unit 5 | Writing Equations for Linear Relationships (in slope-intercept form) | 3 weeks |
| Unit 6 | Systems of Equations | 4 weeks |
| Unit 7 | Functions | 4 weeks |
| Unit 8 | Exponents and Scientific Notation | 4 weeks |
| Unit 9 | Polynomials (A Look Ahead) | 3 weeks |

Date of Board Approval

This curriculum was approved by the Green Brook Board of Education on August 28, 2017.