Scope and Sequence

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

Course Overview

Algebra A will cover topics from the first half of Algebra 1. It will enhance student understanding of solving equations and linear relationships. Each algebraic unit will build upon this topic throughout the course, beginning with the fundamentals of algebra and solving one-variable equations and ending with solving systems of equations and inequalities. Skills from previous units will be utilized throughout the course. Algebra A curriculum will also cover geometry topics including angle relationships, properties of circles, and volume and surface area of three-dimensional objects. It will also cover topics involving probability and how to properly get and display data. The curriculum is sequential and builds upon previous units for the units that cover algebraic topics. The Geometry and Statistics & Probability units will be based upon Grade 7 NJ Student Learning Standards. All other units will be based upon High School Algebra NJ Student Learning Standards.

Scope and Sequence

Order of the Unit	Title of the Unit	Time Frame
Unit 1	Algebra Fundamentals	4 weeks
Unit 2	Solving Linear Equations	5 weeks
Unit 3	Solving Linear Inequalities	4 weeks
Unit 4	Graphing Linear Equations and Inequalities	5 weeks
Unit 5	Writing Linear Equations	5 weeks
Unit 6	Systems of Equations and Inequalities	4 weeks
Unit 7	Geometry	6 weeks
Unit 8	Statistics & Probability	4 weeks

Date of Board Approval

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