Algebra 1

Prerequisite: Pre-Algebra

This course is the first year of a standards-based mathematics curriculum. Number sense topics include the concept of understanding and applying numbers, ways of representing numbers, and the relationships among numbers and different number systems. Data analysis focuses on the concept of understanding and applying data collection, organization and representation to analyze and sort data. Algebra topics focus on the concept of representing and analyzing mathematical situations and structures using algebraic representations. Geometric topics include specifying and describing spatial

relationships using coordinate geometry and other representational systems. Structure and logic focuses on algorithms and algorithmic thinking and the concept of using reasoning to solve mathematical problems in contextual situations.