

Broward County Public Schools Curriculum Guide

9th Grade

LIBERAL ARTS 1

This course is designed to help students meet the requirements of Florida's state standards for mathematics. In addition to addressing and assessing the proficiencies specified within the content standards of the traditional pathway, the course provides students opportunities to apply knowledge and skills to complex real world situations. Students will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

ALGEBRA 1

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions.

ALGEBRA 1 HONORS

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course is designed to provide students with an in-depth level of instruction, an accelerated pace and a cooperative learning environment. Students must be able to solve practical problems, representing and analyzing the situation using symbols, graphs, tables or diagrams.

GEOMETRY

This course is designed for students that successfully has completed Algebra 1 Honors by eighth grade. The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments.

GEOMETRY HONORS

This course is designed for students that successfully has completed Algebra 1 Honors by eighth grade. Geometry is the study of logical reasoning. The fundamental purpose of the course is to study that points, lines, and planes are used as the building blocks of geometric figures, and as the basic models from which to reason. Emphasis is placed on formal proofs and problem-solving involving algebra skills.

