



Quakerbridge Learning Center
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Option ii Honors Algebra II Summer Course Outline

Course Materials

Students should bring a notebook and pencil. The Learning Center provides the hardcover text, Algebra and Trigonometry: Functions and Applications, Prentice Hall. Depending on the material, students may be given a chromebook for eBook work in class. The teacher will add supplementary materials when needed.

Every effort is made to follow the New Jersey Department of Education Model Curriculum Project and to prepare students for exams at their schools in August. (Please see: www.nj.gov/education/modelcurriculum/math/algebraII.shtml.)

The course topics cover, but are not limited to, the following: linear functions, systems of linear equations and inequalities, quadratic functions, complex numbers, exponential and logarithmic functions, rational and irrational algebraic functions, quadratic relations and systems, higher-degree functions, sequences and series, probability, data analysis, functions of random variable, trigonometric and circular functions.

Course Description

This course is an accelerated and intensive study of high school Honors Algebra II and is meant to fulfill the credit requirement. It is a six week program, Monday through Friday, four hours per day, or 20 hours per week, totaling 120 hours.

The course follows the NJ DOE Model Curriculum Project, while accounting for possible variations in schools represented by attending students.

Student progress is assessed daily. Homework is required and reviewed every day. There are two tests per week, lasting either an hour or ninety minutes depending on material covered.

On days when there is no test, quizzes will be given. Course grade depends 60% on test performance, 35% on quizzes, and 5% on homework. Also, students must show all their homework and classwork to receive full credit.