



Quakerbridge Learning Center
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Option ii Honors Algebra I Summer Course Outline

Course Materials

Students should bring a notebook and pencil. The Learning Center provides the hardcover text and online eBook of Algebra I, Pearson/Prentice Hall. Each student is given a chromebook for classes. 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/algebra1.shtml.)

The course topics cover, but are not limited to, the following: variables, graphs, functions, modeling, rational numbers, solving equations/inequalities, linear equations, exponents/exponential functions, polynomials, factoring, quadratic equations, radical equations/expressions, rational expressions/functions. For an expanded listing, see www.pearsonschool.com, and follow prompts to Algebra I.

Course Description

This course is an accelerated and intensive study of high school Honors Algebra I 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.