Maximum 15 students per class

Option II Classes

Teachers will provide extra help after class in small groups twice per week; there are scheduled assessments and exams every weekend for all option II courses.

Mathematics

College Prep./Honors Advanced Algebra II

Students study advanced algebraic concepts and functions, both exponential and logarithmic. They also learn non-linear equations, conics, matrices and determinants.
Textbook: Big Ideas Math Algebra 2, Ron Larson and Laurie Boswell, ISBN: 9781608408405

College Prep./Honors Geometry

Students learn the logical thought process required for developing geometric proofs and drawing appropriate conclusions. They examine concepts of congruence, similarity, and transformation as well as angle and line relationships.
Textbook: Geometry, McDougal Littell, ISBN: 0866099654; Houghton Mifflin, ISBN: 0544385810

College Prep./Honors Pre-Calculus

Students study trigonometry, inverse functions, selected analytic geometry, probability, and basic concepts of differential and integral functions.
Textbook: Precalculus with Limits, Larson/Hostetler, ISBN: 9780547219929 Advanced Mathematics; Precalculus with Discrete Mathematics and Data Analysis, Houghton Mifflin, ISBN: 0395551897

Science

Honors Biology

Students focus on the structure and function of a cell, sources of energy, genetics, evolution, and fundamental life processes.
Textbook: Biology Concepts and Applications by Cecie Starr, ISBN: 0-534-46223-5

Honors Chemistry

Students study the qualities of matter, the behavior of electrons and waves, chemical bonding and reactions. There will be hands-on lab activities.
Textbook: Chemistry by Prentice Hall, ISBN: 0-13-115262-9

Honors Physics

Students study the qualities of matter, the behavior of electrons and waves, chemical bonding and reactions. There will be hands-on lab activities.
Textbook: Chemistry by Prentice Hall, ISBN: 0-13-115262-9

Computer Science

Introduction to Computer Science with Java

Students will learn the basics of computer science. The course is designed to introduce students to the foundational concepts of the fields of computing and technology, and how these fields can impact the world.
Textbook: Starting Out With Java: Early Objects, by Tony Gaddis and online resources

*Java Course is a 12 weeks program.
5/13 - 6/23 weekend online. 6/24 - 8/2 in person.