

MATHEMATICS

Algebra 1 Enrichment:

This course is intended for incoming HPHS freshmen who have had a full or partial year of instruction in Algebra 1 in middle school, but who were not placed in Geometry. The successful completion of this course can change a student's 9th grade math placement to Geometry. This course will cover topics typically covered in the second Term of Algebra 1. While Chromebooks will be available, students who have their own should bring it to class daily. Additionally, the TI-Nspire CX CAS Calculator is required for this class. Approval needed: Contact your Math Department Chair prior to registering for this class. HPHS Dept. Chair: Ms. Elizabeth Waller (ewaller@dist113.org).

Open to: Open to District 113 Incoming Freshmen who have Math Dept Chair placement and/or approval.
Credit: 1 Elective Math Credit. This course does not fulfill a mathematics graduation requirement.
Cost: \$300 (\$400 Out of District), 1 Term, 3 weeks, FULL day - REQUIRED: TI-Nspire CX CAS Calculator.

Course	Period	Hours	Term	Dates
451322-11	1&2	8:50 – 2:10	1	6/10 - 6/27

Preparing for Algebra 2 - Math Academy:

This course is a review of major concepts of Algebra that are the foundation for success in Algebra 2. Topics will include graphing and solving equations, solving quadratics, solving systems of equations and inequalities and simplifying radical and rational expressions. This course is intended to provide the opportunity for students to keep the brain active and thinking while solidifying their Algebraic base and getting ready to be successful in Algebra 2. There is no homework or final exam in this course.

Open to: Students enrolled in Algebra 2 or Algebra 2 Advanced in Fall 2024.
Credit: None.
Cost: \$150 (\$200 Out of District), 1 Term, 3 weeks, half day.

Course	Period	Hours	Term	Dates
452552-11	1	8:50 – 11:20	1	6/10 - 6/27

Preparing for Algebra 2 Honors - Math Academy:

This course is a review of major concepts of Algebra that are the foundation for success in Algebra 2 Honors. Topics will include graphing and solving equations, solving quadratics, solving systems of equations and inequalities and simplifying rational expressions. This course is intended to provide the opportunity for motivated students to keep the brain active and thinking while solidifying their Algebraic base and getting a jump start with the material in Algebra 2 Honors. There is no homework or final exam in this course. (A nice pairing with this course is the FUSE lab that is also offered in summer school).

Open to: Students enrolled in Algebra 2 Honors in Fall 2024.
Credit: None.
Cost: \$150 (\$200 Out of District), 1 Term, 3 weeks, half day.

Course	Period	Hours	Term	Dates
452872-11	2	11:40 – 2:10	1	6/10 - 6/27

Geometry

This full year course will feature a revised model of a standard, college-preparatory, full year of high school Geometry. Students will read, write, and apply information involving geometric notation and figures, and apply algebraic concepts to the definitions, postulates, and theorems of Geometry. In addition, students will learn the process of arguing a geometric proposition within a deductive structure (geometric proof), and improve basic problem-solving skills. The course will incorporate the use of current Geometric software and related technologies.

Approval needed: Contact your Math Department Chair prior to registering for this class. DHS Department Chair: Ms. Jennifer Navickas (jlnavickas@dist113.org). HPHS Department Chair: Ms. Elizabeth Waller (ewaller@dist113.org). Important Notes: In order to receive a FULL YEAR of credit, students must register for BOTH courses: #451652-11 and #451654-11 at the same time.

Open to: Current 8th graders are not eligible for this course.
Credit: 1 Math Credit. REQUIRED: TI-Nspire CX CAS Calculator.
Cost: \$300 per Term (\$400 per Term, Out of District), 2 Terms, 6 weeks, full day.

Course	Period	Hours	Term	Dates
451652-11	1 & 2	8:50 – 2:10	1	6/10 - 6/27
451654-11	1 & 2	8:50 – 2:10	2	7/1 - 7/18

Preparing for Geometry Honors - Math Academy:

This 3-week course is a review of major concepts of Algebra that are the foundation for success in Geometry Honors. Topics will include equations of lines, graphing equations, factoring, solving systems of equations and solving quadratics. This course is intended to provide the opportunity for motivated students to keep the brain active and thinking while solidifying their Algebraic base and getting a jump start with the material in Geometry Honors. There is no homework or final exam in this course. (A nice pairing with this course is the FUSE lab that is also offered in summer school in the morning).

Open to: Students enrolled in Geometry Honors in Fall 2024.
Credit: None.
Cost: \$150 (\$200 Out of District), 1 Term, 3 weeks, half day.

Course	Period	Hours	Term	Dates
452172-11	1	8:50 – 11:20	1	6/10 - 6/27

Math Recovery Courses

The following courses will be available for students who would like to take the course for credit recovery or grade replacement. For **credit recovery** (earned an incomplete grade and must retake the course), students and guardians will be contacted by their counselor. For **grade replacement** (the student had a passing grade of C+ or below in their previous attempt), students should fill out the Summer School Grade Replacement Request Form located on the Summer School website. *Please know that for a grade replacement a student can only earn regular credit, not honors or AP credit, even if the original class was an honors or AP level course.*

- Algebra 1
- Algebra 2 (Standard and Advanced)
- Geometry
- Pre-Calculus
- Trigonometry and Related Topics (HPHS)

Open to: District 113 students wanting to earn recovery or grade replacement credit.
Credit: Grade recovery or grade replacement.
Cost: For credit recovery: No Cost. Cost for grade replacement: \$300 (per Term).

Course	Period	Hours	Term	Dates
TBD	1 & 2	8:50 – 2:10	1 & 2	6/10 - 7/18

Geometry Prep Math WORKSHOP

This course is a 2-week review of the major concepts of Algebra and an introduction to Geometry. Students will review graphing equations of lines, writing equations of lines, solving equations, solving systems of equations and factoring. Students will also be introduced to the basic Geometry terms and figures. This course is intended to solidify the students' Algebra foundation and also provide a base of Geometry terms and concepts in an effort to help students find success in the study of Geometry. There is no homework or final exam in this course.

Open to: Students taking Geometry in the Fall 2024.
Credit: None.
Cost: \$200 (\$250 Out of District), 2-Week Course

Course	Period	Hours	Term	Dates
WRK-GPM-11	1&2	8:50 – 2:10	1	6/12 – 6/22 (2-Week Course)