

**2024-2025 SCHOOL YEAR**

# Algebra 1 Honors SPT

**Grades:** 9th Grade**Fees:** \$465 plus \$35 materials fee**Prerequisites:**

Pre-Algebra or an equivalent curriculum. Students should have mastered arithmetic skills such as fractions, decimals, and integers. They also should have experience with variables, solving equations, and graphing.

**Course Credit:** 1 math (honors)

## REQUIRED MATERIALS

**Textbook:**

- All Things Algebra – printed and 3-hole punched student text with digital parent answer key will be provided by UHC

**Other materials:**

- Three-ring 1" binder with notebook paper

- Scientific calculator (graphing calculator may be helpful but is not required)
- A larger three-ring binder to keep at home with textbook pages that hold previous textbook pages

## Course Description

Students will review the basic arithmetic operations on whole numbers, integers, and rational numbers. They will gain a better understanding of graphing two variable equations: lines, parabolas, absolute value, and exponential shapes. They also will study various algebraic concepts: solutions of first and second degree equations, solutions of systems of first degree equations, and solutions of inequalities; operations with exponents, operations and factoring with polynomials, and operations with square roots. Concepts will be presented visually and applied through word problems.

This class has summer homework.

## To be successful in this class:

Students at the Honors level will need daily at-home practice and possible assistance from their teaching parent. Parents will be expected to check homework and monitor students as they work. Tests and assignments will be given to take at home with occasional quizzes given in class. Students should expect to spend at least one hour per day on these assignments.

Families with students in this class should also consider enrolling in [Algebra 1 Virtual Lab](#).

See the Honors Addendum BELOW for a detailed explanation of the honors work.

## Honors Addendum Summary

Per UHC guidelines, Honors students will be required to complete 25% more work than College Prep students. This extra work will fall into three categories: homework problems, chapter test

problems, and projects.

Specific assignments and details for honors work will be provided by the teacher.



## Meet Katherine Dennis

**Education:** Bachelor's degree in Mathematics, Master's degree in Secondary Math Education

**Teaching experience:** 22 years teaching Algebra 1 and Algebra 2 in 8th and 9th grades

### **UHC courses taught:**

- Algebra 1

Began teaching at UHC in 2023

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