

# PRE-AP ALGEBRA 1 COURSE SYLLABUS

Ms. Scovill

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Conference 6<sup>th</sup> Period  
Tutoring 8:05 M-W

## **Course Description**

This course is designed for the student who has demonstrated exceptional talent and inquisitiveness for the study of mathematics. Students will be expected to have superior study habits and the ability to learn from a variety of instructional methods. It is expected that students master basic skills readily in order to put emphasis on applications and problem solving. The course will focus on problems involving algebraic representations of equations, inequalities, polynomials, graphs, and linear or quadratic functions with some exploration of exponential functions.

## **Relevance**

Algebra I provides a bridge from the study of patterns and relations in previous grades to the study of linear functions and advanced mathematics. In Algebra I, functions are represented by tables, graphs, symbolic and verbal expressions, and formulas. Learning experiences support the development of the ability to distinguish between linear and nonlinear phenomena found in biology, chemistry, business, and other disciplines.

## **Course Readiness Standards** (Source: Texas Education Agency STAAR Resources)

- Functional Relationships
- Properties and Attributes of Functions
- Linear Functions
- Linear Equations and Inequalities
- Quadratics and Other Nonlinear Functions

## **Course Outline** (Source: Eanes ISD Algebra 1 District Syllabus 2015-2016)

### Semester 1

- Foundations for Algebra & Equations
- Inequalities and Functions
- Linear Functions, Systems of Equations & Inequalities

### Semester 2

- Exponents and Polynomials
- Factoring Polynomials
- Quadratic Functions & Equations
- Nonlinear Functions

## **Instructional Materials and Supplies**

- Algebra 1, McGraw Hill
- Online Textbook
- iPad
- Graphing Calculator: TI-83+ or TI-84+ (ONLY)
- Gridded Paper (ONLY)
- 3-Ring Binder/Folder to keep Notes, Homework for Pre-AP Algebra 1

### **Note about Textbook**

The Westlake Math Department has access to the complete Algebra 1 textbook online for individual student use. Students will not be able to check out a physical hard copy of the textbook to take home with them; we only have class sets of the hard copy of the textbook.

### **Grading Policy**

Per the Mathematics Department at Westlake High School, the following weights will be assigned to homework, quizzes and tests for the Pre-AP designation.

- Daily Grades 10%
- Quizzes 20%
- Tests 70%

### **Quarterfinal Policy**

Because mathematics is truly a cumulative learning experience, at the end of each quarter students will take a cumulative Quarterfinal Test. The score earned on a Quarterfinal Test can be used to replace the lowest test grade from that quarter. Because the Quarterfinal is cumulative, it allows our students the opportunity to re-learn previous concepts that may have been missed originally and demonstrate mastery.

### **Absences: Late Work and Missed Assessments**

I will follow the make-up schedule and grading adjustments for tardies and absences as they are outlined in the student handbook. Moreover, I will follow the UIL eligibility rules for any students missing class for school-related activities: students are to get their assignments before they leave, and they are expected to be prepared for class as if they had been present. For extraordinary cases, I will work with the student on an individual basis most appropriate for his/her situation.

### **Classroom Rules and Procedures**

Students should maintain respect for themselves, their peers and their learning. The classroom will be a safe environment for students to learn. These are the two major guidelines that will govern all learning and activities in the classroom.