



FREEDOMPROJECT ACADEMY

Course Syllabus

Algebra/Geometry II

Course Description:

Algebra and Geometry concepts will be introduced by recalling prior knowledge and using it to apply to the new concept, including systems of equations of 2 and 3 variables, geometry, trigonometry, vectors, and complex numbers. You will be amazed at what you already know and can apply. Math is not something you are good at or not good at. It is something you learn or don't learn. You can master anything if you will stay organized and manage your time to engage in learning, practice new concepts, learn from mistakes and how to avoid them, and ask questions. Mastery of these concepts will be essential in your math courses over the next few years so I encourage you to do your very best.

Major Topics of Study:

Adding, subtracting, multiplying, and dividing fractions and mixed numbers

Adding, subtracting, multiplying, and dividing decimals

Converting decimals, percents, and fractions

Ratios and proportions

Square roots and exponents

Adding, subtracting, multiplying, and dividing integers

Perimeter, area, volume, and surface area

Text/Required Materials:

Saxon Algebra & Geometry II Mathematics Text Homeschool

Ruler

Compass

Protractor

Graphing paper/quad ruled notebook

TI scientific calculator (TI 30xiis recommended)

If you plan on taking Advanced Math you may consider getting the TI-83 or TI-84 graphing calculator now.

Grading:

Algebra/Geometry 2 students generally maintain at least a B- or above and such mastery is necessary for future math courses. Your math skills and knowledge coming in should be such that you will have success in this course.

Homework - 45%

Tests - 35%

Semester & Final Exam - 15%

Participation - 5%

The FPE grading scale is:

97-100 A+	87-89 B+	77-79 C+	67-69 D+
93-96 A	83-86 B	73-76 C	65-66 D
90-92 A-	80-82 B-	70-72 C-	0-64 F

2 of the lowest participation scores are dropped from grades each semester.

Attendance/Participation:

You have reached the rhetorical stage of your educational development and are expected to participate in class, share thoughts and ideas, and help your fellow classmates.

Please be RESPECTFUL of other classmates during our time in the classroom. (We love to have fun but we also need to stay on task.)

Expectations/Guidelines:

Read the lessons to be covered prior to coming to Classroom Live.

Join live class on time. Please do not enter late and disrupt class by asking what you missed.

Attendance is important to understand the concept and the written work that will demonstrate understanding.

Learning is rarely accomplished by just watching. Do the examples with the class.

Take detailed notes neatly and orderly, not screen shots.

Ask questions if you do not understand a concept or how to show your work properly.