
Citrus Valley Christian Academy

Teacher: Mrs. Shelby Sullivan
Phone: 909-645-7694
Email: Shelbylou@hotmail.com

Welcome to Algebra 1 2022/2023

Recommended Grade Level: 8th-12th

High School students: Earn 5 credits per semester

Pre-requisite: Completion of Pre-Algebra or a middle school 8th-grade level math course

Course Description

Algebra is a study of concepts and techniques to prepare students to approach and solve problems following a logical succession of steps. Students will extend their experiences with tables, graphs, and equations and solve linear equations, inequalities, and systems of linear equations and inequalities. Students will simplify polynomials and begin to study quadratic relationships. Students will study topics in statistics and probability.

Curriculum

We will be using Mr. D's Algebra 1. Students will have access to online videos and printable notetaking tools. During our class time, I will be providing guided lessons as well as time to review material and enrichment opportunities. A link to register for the online curriculum will be provided to students upon the creation of the class roster.

Scope and Sequence

<u>Fall Semester</u>	<u>Spring Semester</u>
1. Preparing for Algebra - the tools and language of Algebra	7. Polynomials
2. Integers, Rational and Irrational Numbers – The distributive property	8. Factoring and Quadratic Expressions

3. Solving Linear Equations	9. Solving Quadratic and Exponential Functions
4. Graphing Linear Functions and Relations	10. Radical Expressions and Equations
5. Graphing Linear Inequalities	11. Rational Functions and Equations
6. Systems of Linear Equations and Inequalities	12. Statistics and Probability
Semester I Exam	Semester II Exam

