



Reseda High School Law and Public Service Magnet
Algebra 1 A/B
Mr. Flores

Course Description: Using California State Standards for Algebra I as a guide, students will acquire fundamental skills and knowledge of Algebra. Algebra is the starting point for all higher mathematics and is essential in developing logical and critical thinking skills. This class will cover topics such as: integers, algebraic expressions, equations, polynomials, exponents, radical, rational expressions, inequalities and absolute value, and linear and quadratic functions. We will use Mathematica, a computer based mathematics software, on a daily basis in order to reinforce concepts learned in class. In this magnet course, we will also learn about the connections between Algebra and law fundamentals.

Topics of Instruction:

Unit 1A: Logic

ACCS: 24.0, 24.1, 24.2, 24.3, 25.0, 25.1, 25.2, 25.3

Unit 1B: Understanding the language of Algebra

ACCS: 1.1, 2.0

Unit 2: Understand and Solve Linear Equations

ACCS: 4.0, 5.0

Unit 3A: Understand and Graphing Linear Equations

ACCS: 6.0, 7.0, 16.0, 17.0

Unit 3B: Understand, Graph, and Analyze Linear Equations

ACCS: 6.0, 7.0, 8.0

Unit 4: Systems of linear equations

ACCS: 9.0, 15.0

Unit 5: Understand, Solve, And Graph Linear Inequalities and Absolute Value

ACCS: 3.0, 4.0, 5.0, 9.0

Unit 6A: Understand Operations on Polynomials

ACCS: 2.0, 10.0

Unit 6B: Understand Factoring of Polynomials

* ACCS= Algebra, California Content Standards

ACCS: 11.0, 14.0

Unit 7: Understand and Use Quadratic Functions

ACCS: 14.0, 19.0, 20.0, 21.0, 22.0, 23.0

Unit 8: Understand and Simplify Rational Expressions

ACCS: 12.0, 13.0

Grading

Each assignment will be graded with a score from 0 to 5. Where A = 5, B = 4, C = 3, D = 2, F = 1, and zero if student doesn't turn-in the assignment. The final grade will be based on individual student total number of points as a percentage of total points possible. A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F = 59% and below

25% Assignments (Homework and Classwork)

60% Tests and Quizzes

10% Projects

5% In class behavior

Attendance, Cooperation and Work Habits

1. Respect

- A. Each other (e.g. avoid inappropriate language, talking when teacher or others are speaking)
- B. Environment (e.g. computer lab-no food or drinks)

2. Follow school and Police Academy rules/policy at all times

- A. You must be on time to class and ready to learn (3 warnings, parent contact, detention, etc)
- B. Bathroom passes 3 times each semester (only at appropriate times)
- C. Please don't bring electronics to class

Note: Challenge yourself

- Question the quality of your own work.
- Ask yourself how can you improve the assignment.
- Ask for help from the teacher or other classmates if you need it.

Assignment Types

*Presentations *Projects *Quizzes *Exams *Homework *Classwork *Mathematica Projects.

Homework/Classwork Policy

Assignments are assigned on regular basis. All student work must be of the individual student. CHEATING of any type will not be tolerated.

Reseda High School ESLRS

Effective Communicators

Critical Thinkers

Self-Directed Learners

Responsible Citizens

Healthy Individuals.

Please feel free to contact me by email at mlf0993@lausd.net or call 818-758-3600 and I will return your message as soon as possible and we can discuss your child's progress.¹

¹ ACCS