



# Reseda High School Police Academy Magnet Algebra 1

**Instructor: E. Junio**

## **GENERAL INFORMATION:**

Teacher: **Ms. E. Junio**

Room Number: **FA2**

Main Office Contact No: **(818) 758-3600**

## **COURSE DESCRIPTION**

The purpose of this course is to serve as the vehicle by which students make the transition from arithmetic to symbolic mathematical reasoning. It is an opportunity for students to extend and practice logical reasoning in the context of understanding, writing, solving, and graphing problems involving linear and quadratic equations (including systems of two linear equations in two unknowns).

In this course, students are expected to demonstrate their ability to extend specific problems and conditions to general assertions about mathematical situations. Additionally, they are expected to justify steps in an algebraic procedure and check algebraic arguments for validity. The purpose of this course is to continue the study of algebra and to provide the foundation for applying algebraic skills to other mathematical and scientific fields.

## **I. TOPICS COVERED**

### **Unit 1: Relationships between Quantities and Reasoning with Equations**

Language and tools of Algebra

Expressions

Creating equations

Solve equations and inequalities

***Stained Glass Window Project***

### **Unit 2: Linear and Exponential Quantities**

Rational exponents

Graphs

Systems of equations

***Map Direction Project***

### **Unit 3: Descriptive Statistics**

Interpret data

Variables

Linear models

### **Unit 4: Expressions and Equations**

Polynomials

Factoring

## *Area and Perimeter Project*

### **Unit 5: Quadratic Functions and Modeling**

Rational and irrational numbers

Evaluate functions

Interpret functions

## *Projectile Project*

### **II. REQUIRED MATERIALS**

Pencils

Notebook

Graph paper (1/4 inch grid) (provided by teacher)

Ruler, compass, protractor

Erasers

Scientific Calculator

Other suggested project supplies

### **III. CLASSROOM RULES/POLICIES**

Students are expected to:

1. STAND AT ATTENTION upon entering room and throughout roll call until teacher has **“at eased”** you.
2. Students stand when an adult enters the room (either the guest or you may dismiss them).
3. Refer to adults as “Ma’am” or “Sir”.
4. Raise your hand if you have a question or need to get up from your seat.
5. Address academy members correctly and respectfully.
6. Reseda High’s dress code, inspection day, and character policies are strictly enforced. Participation points will be issued for those dressed:
  - o Police Academy students are in uniform on Tuesdays
7. Attendance is important. If a student is not in class for TWO consecutive days, teacher will email the counselor right away.
8. **We abide by all school rules** (no cell phones visible in class, no eating, no electronic gadgets of any kind, no hats or hoods in class, etc.). See RHS dress code policy.

### **IV. CLASSROOM CONSEQUENCES**

1. If the student fails to abide by the classroom rules, the consequences are:
  - a. Teacher conference
  - b. Teacher assigns detention and calls home
  - c. Teacher initiates parent conference and disciplinary contract  
(All referrals will be accompanied with a form.)
2. For P.A. students only- If the student is defiant, the teacher may issue up to **25 push-ups** to that individual. Push-ups are **not** for Law students. Push-ups should not be abused. The teacher can also have the class leader issue a **15-7 report and a comment card**.
3. Any excessive tardies and/or behavioral problems will be communicated with parent, counselor and coordinator.

### **V. TEST/QUIZ POLICY**

Students should generally expect quizzes to assess an understanding of the current unit’s concepts. Chapter tests will be given approximately every 2 to 3 weeks at the end of each unit. Students, who have a planned absence on the day of the test or quiz, need to make prior arrangements with me to take them. If this is not done and a student has an excused absence on the day of a quiz, they will make it up the day they return. If they miss the day of a test, they need to make it up during lunch. If this is not done in a timely manner, they will receive a zero on the test/quiz. If they are gone

because of an unexcused absence, they will receive a zero on the test/quiz. Everyone is expected to take the final.

## **VI. HOMEWORK POLICY**

Assigned homework is intended to provide practice and to generate questions for class discussion. The homework grade is based on effort. In order to receive credit for homework, all work must be shown for each question assigned. Full credit will not be given for late work except when lateness is excused by the parent or office.

## **VII. MAKE-UP WORK**

You will be allowed of the number of days that you were absent to make-up missed work.

## **VIII. GRADING RATIONALE**

A. Grades will be calculated based on the following percentages:

1. Tests and Quizzes – 40%
2. Warm-up and Classwork – 35%
3. Project and Performance – 15%
4. Homework – 10%

B. Grading scale is as follows:

- 90 TO 100 ----- A
- 80 TO 89 ----- B
- 70 TO 79 ----- C
- 60 TO 69 ----- D
- Below 60 ----- F

## **IX. STUDENT PROGRESS**

1. Students' progress will be monitored by diagnostic weekly or biweekly quizzes or tests as well as midterm and mester exams.
2. All assessments will be returned to students in a timely manner for parental review.
3. Teachers will provide a record keeping tool to enable students to be continually aware of their own progress.