

SCHOOL FOR EXCELLENCE

JEFFREY HOUSTON, PRINCIPAL

STEVE BERNSTEIN, ASSISTANT PRINCIPAL

**Mathematics**

**Teacher: Mr. Weir**

**Classroom Policies and Guidelines (Rules)**

**Common Core Algebra 1 Syllabus 2017-2018**

To all my students I want to welcome you all to our school family. I encouraged you all to take this opportunity to learn and gain all the knowledge you can that will ensure you a successful future. To help you do this, and achieve an A in my class the necessary rules and policy guidelines must be adhered to at all times, meaning No Exception to any of the rules.

1. All students are expected to come to class on time. On arrival, students are expected to sign attendance register; collect handouts from the designated spot located in the classroom then proceed to their assign seat.
2. Students are expected to work to the best of their ability to produce excellent work.
3. Students are expected to have respect for themselves, fellow classmates, teachers, support staff at all times.
4. Hats, do-rags, cell phones, iPods, PSPs or any other form of electronic device are not allowed in the classroom.
5. Students are expected to cooperate in all group work and be supportive in each other's learning. This is a part of your ongoing social development.
6. Students are expected to turn in all homework assignments on the required due dates, NO EXCEPTIONS.
7. Foods or drinks are not allowed in the labs, NO EXCEPTIONS.

### **Grading guidelines.**

1. Class work and class participation	-	40 %
2. Exams and projects	-	40 %
3. Homework	-	5 %
4. Mock Regents	-	5%
5. Organizational Skills	-	<u>10%</u>
		100%

### **Mathematics Department Goals**

- a. To teach you all the mathematics necessary for you to pass the Regents with a score of 85 or above

### **Text Book: Meaningful Math ( NY CC Exams)**

You will be studying 8 units of mathematics starting with unit 1 which includes the following topics:

#### **UNIT I – LINEAR EQUATIONS & INEQUALITIES IN ONE VARIABLE**

**Solving Linear Equations and Inequalities in One Variable, Problems Involving Linear Equations in One Variable, Ratios & Rates, Proportions & Percents, Slope & Rate of Change**

#### **UNIT II- LINEAR EQUATIONS & INEQUALITIES IN TWO VARIABLES**

**Lines in the Coordinate Plane, Relations & Functions, Linear Equations in 2 Variables, Writing Equations For Lines, Graphs of Absolute Value Functions, Systems of Linear Equations, Solving Systems of Equations/ Inequalities**

### **UNIT III – POLYNOMIALS AND FACTORING**

**Addition and Subtraction of Polynomials, Multiplication and Division of Polynomials, Factoring Special Products, Factoring Trinomials Completely**

### **UNIT III– QUADRATIC EQUATIONS & FUNCTIONS**

**Solving Quadratic Equations Using Square Roots, Solving Quadratic Equations By Various Methods, Quadratic Functions & Parabolas, Quadratic & Linear Equations in Two Variables**

### **UNIT V EXPONENTS & EXPONENTIAL FUNCTIONS**

**Properties of Exponents, Zero & Negative Exponents, Exponential Functions, Exponential Growth, Exponential Decay**

### **UNIT VI – QUADRATIC EQUATIONS & FUNCTIONS**

**Solving Quadratic Equations Using Square Roots, Solving Quadratic Equations By Various Methods, Quadratic Functions & Parabolas, Quadratic & Linear Equations in Two Variables**

### **UNIT VII – RATIONAL & RADICAL EXPRESSIONS AND EQUATIONS**

**Rational Expressions, Multiplication & Division with Rational Expressions, Addition & Subtraction with Rational Expressions, Solving Rational Equations, Radical Expressions & Equations**

### **UNIT VIII- PROBABILITY**

**Experimental & Theoretical Probability, Using Probability Formulas, Independent & Dependent Events, Using Counting Methods With Probability, Conditional Probability**

SCHOOL FOR EXCELLENCE

I have read and understood the guidelines and policies for Mr. Weir's Mathematics class. To ensure a successful school year resulting in a passing grade, I agree to honor them.

Student's Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Student's Email: \_\_\_\_\_

Parent/Guardian's Name: \_\_\_\_\_

Parent/Guardian's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian's Home Phone: \_\_\_\_\_

Parent/Guardian's Cell Phone: \_\_\_\_\_  
\_\_\_\_\_

Student's Signature: \_\_\_\_\_ Date: \_\_\_\_\_