

P.S. 035 Manhattan High School Course Syllabus

Course Code: MEF44-01

Course Name: ALGEBRA I 4/4

Teacher Name: WATKINS

Year and Term: SUMMER 2020

Learning Standards and Course Objectives:
At the end of this six week course students will be able to :

- Perform all four arithmetic operations and apply properties to generate equivalent forms of rational numbers and square roots.
- interpret and guide the solution of multi-step problems; choose and interpret units consistently in formulas; and choose and interpret the scale and the origin in graphs and data displays.
- . Create equations and inequalities in one variable to represent a real-world context
- Explain each step when solving a linear or quadratic equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method. Solve equations and inequalities in one variable. Solve linear equations and inequalities in one variable, including equations with coefficients represented and letters

Course Description: Second half of Algebra I with an emphasis on quadratic and linear equations, probability and radical expressions

Course Outline:

Week 1: Review

Week 2: Formulas

Week 3: Equations and expressions

Week 4: Functions and Probability

Week 5: Review and Assessment

Week 6: Culminating Project/Activity

Grading Policy: Students will earn a grade of “Cr/P” by accumulating a minimum of 400 points. Points will be earned by completing weekly assignments worth 50-120 points

Other Expectations: Students are expected to submit assignments in a timely manner. Students are expected to participate in weekly Google Meets sessions