

P.S. 035 Manhattan High School Course Syllabus

Course Code: MEF43-01

Course Name: Algebra I $\frac{3}{4}$

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 course with an emphasis on identifying function, using formulas and graphing

Course Outline:

Week 1: Solving Inequalities

Week 2: Functions and the Coordinate Plane

Week 3: Graphing Linear Equations

Week 4: Solving Systems Algebraically

Week 5: Review and Assessment

Week 6: Culminating project/activity

Grading Policy: Students will earn a grade of “CR/P” by earning a minimum of 400 points. Points will be accumulated by completing assignments that are worth 50-120 points each week.

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