

P.S. 035 Manhattan High School Course Syllabus

Course Code: MEF42QQB

Course Name: ALGEBRA I 1/4 and 2/4

Teacher Name: Thomas

Year and Term: Summer 2019

Learning Standards:

N-RN: The Real Number System

N-QA: Quantities

SSE: Seeing Structure in Expressions

CED: Creating Equations

REI: Reasoning with Equations and Inequalities

F-IF: Interpreting Functions

F-BF: Building Functions

F-LE: Linear, Quadratic, and Exponential Growth

Course Description:

Algebra I is a course designed to introduce students to fundamental math concepts that can be applied in a real world setting. Students will learn and interpret expressions and their structure, arithmetic operations, equations and their relationships, as well as solve equations and explain the reasoning it consists of. As a result of taking this course, students will be able to make sense of problems and solve them, reason abstractly and quantitatively, and construct viable arguments and critique the reasoning of others. During the duration of this course and after it, tools, models, and techniques strategically will be applied that can be used in both the process of reasoning and structure as students focus on precision.

Calendar or Unit Map:

***4-1: Using Graphs to Relate Two Quantities, *4-6: Formalizing Relations and Functions**

***5-1: Rate of Change and Slope, *5-3 Slope-Intercept Form, *5-4: Point-Slope Form,**

***6-5: Linear Inequalities, *6-6: Systems of Linear Inequalities**

Course Materials:

- * Notebook
- * Paper
- * Pencil
- *Homework

Grading Policy:

Test (30%): Two tests will be given during the summer. The tests will be similar to the quizzes, but more extensive. It will consist of vocabulary words, multiple choice, fill in the blank, and computation. There will be a review before the test is administered. The tests will not be open notebook. If you are absent during the day of a test you need to speak to me to schedule a makeup. If you were present during the day of a test and decided to cut class you will not be able to make it up and will receive a grade of a zero (0).

Quiz (20%): Two quizzes will be given during the summer. The quizzes will be similar to the test, but less extensive. It will consist of vocabulary words, multiple choice, fill in the blank, and computation. There will be a review before the quiz is administered. The quizzes will not be open notebook. If you are absent during the day of a quiz you need to speak to me to schedule a makeup. If you were present during the day of a quiz and decided to cut class you will not be able to make it up and will receive a grade of a zero (0).

Class Participation (10%): Students are encouraged to actively participate in class. This involves not only asking questions, but answering questions, and volunteering to do class work on the board or go over it out loud.

Homework (10%): There will be homework given on a daily basis. It is pertinent that you do homework when it is given so it does not accumulate. You are expected to do it every night and hand it in the next day. Not doing homework can affect your grade and you passing this class.

Behavior (10%): Student behavior should consist of being focused on learning and talking to classmates, sleeping, or using your phone. Every time your behavior is inappropriate or disruptive you will lose points, which can affect your grade within this class.

Classwork (20%): Classwork is a combination of copying the notes from the power point presentation slides as well as doing the actual handout. If you fail to do either of these two, in which you only do the classwork handout and not copy the notes or vice versa, you will not get the full points for classwork. Instead, you will receive only partial credit.

Other Expectations:

Students are expected to come to class prepared and on time. This consist of being ready to do your work and fully participate. Students should also be polite, respectful, responsible, and ready to learn every day.

It is also encouraged that students use Khan Academy to reinforce what was learned in class, but also as a way to practice the course material. The use of videos and practice exercises can be utilized as an influential way to grasp the material and further their understanding of various topics that are discussed withi this course. Students will be exposed to visual, audio, and tactile methods that are essential to learning.