

P.S. 035 Manhattan High School Course Syllabus

Course Code: MES41QBA-01

Course Name: Algebra I 1/4

Teacher Name: Thomas

Year and Term: Fall 2020

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:

*1-1 Variables and Expressions, *1-2: Order of Operations and Evaluating Expressions, *1-4 Properties of Real Numbers, *1-5 Adding/Subtracting Real Numbers, *1-6 Multiplying and Dividing Real Numbers, *1-7: The Distributive Property, *2-1: Solving One-Step Equations, *2-2: Solving Two-Step Equations, *2-3: Solving Multi-Step Equations, *2-4 Solving Equations with Variables on Both Sides, *2-7: Solving Proportions, *2-8 Proportions and Similar Figures, *3-1: Inequalities and Their Graphs, *3-2 Solving Inequalities Using Addition or Subtraction, *3-3 Solving Inequalities Using Multiplication or Division, *3-4 Solving Multi-Step Inequalities, *3-7 Absolute Value Equations and Inequalities

Course Materials:

notebook
paper
pencil
ipad, laptop, or computer

Grading Policy:

Classwork (25%): Classwork is a combination of copying the notes from the power presentation slides as well as doing the actually handout. If you fail to do either of these two, in which you do the classwork handout and not copy the notes or vice versa, you will not get full points for classwork. Instead you will receive only partial credit. Assignments will be based on the lesson/topic covered for the week. All assignments are to be completed and handed in on time. Exceptions will be made for handing in late assignments at the discretion of the teacher and with a plausible explanation provided.

Test (25%): 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. You can use your notes for your test. Test are expected to be submitted on or before the due date. If you are unable to submit your test on due date you need to speak with me to determine when it can be submitted. Failure to do this will result in a grade of a zero (0). When the test is taken and submitted the grade of a zero (0) will be removed.

Class Participation (In-Person and Online) (15%): Students are encouraged to actively in class. This involves not only asking questions, but answering questions, and volunteering to do classwork on the board or go over it out loud. This also consists of attending scheduled days on the Google Classroom. It is pertinent that you make an effort to attend these meetings as it provides you with the opportunity to engage online with your teachers and classmates in a positive and encouraging learning environment.

Assignments/Homework (25%): 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 not 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.

Other Expectations:

Students are expected to respond to emails sent by their teachers, be prepared to complete and submit their assignments on time, and attend scheduled meetings. This consists of being ready to do your work and fully participate every day that class is in session. Students should also be polite, respectful, responsible, and ready to learn every day.

It is also encouraged that students use utilize the math resources provided to them on the Google classroom. Students should also watch the videos that are uploaded to all assignments posted on the Google Classroom. This will help to reinforce what was learned in class, but also provide an opportunity to practice the course material. The use of videos and practice exercises can be utilized as a way to grasp the material and further their understanding of various topics that are discussed within this course. Students will be exposed to visual, audio, and tactile methods that are essential to learning.