P.S. 035 Manhattan High School
Course Code: MES41QQN
Syllabus for: Algebra I
Teacher Name: Thomas
Year and Term: 2018 Term Spring

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 Models

 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 this 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 applied 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, *4-2 Patterns and Linear Functio
 ns, *4-3 Patterns and Nonlinear Functions, *4-4 Graphing a Function Rule, *
 4-5 Writing a Function Rule, *4-6 Formalizing Relations and Functions, *4-7
 Arithmetic Sequences

 *5-1 Rate of Change and Slope, *5-2 Direct Variation, *5-3 Slope-
 Intercept Form, *5-4 Point-
 Slope Form, *5-5 Standard Form, *5-6 Parallel and Perpendicular Lines, *5-7
  Scatter Plots and Trend Lines, *5-8 Graphing Absolute Value Functions

 *6-1 Solving Systems by Graphing, *6-2 Solving Systems Using Substitution,

Course Materials:
- Notebook
- Paper
- Pencil
- Math homework workbook

Grading Policy:

Exams/Test (30%): Two exams will be given during each semester/term. It will consist of vocabulary words, multiple choice, fill in the blank, and computation. There will be a review the day before the exam/test and it will be open notebook. If you are absent during the day of an exam you need to speak with me to schedule a makeup. If you were present during the day of an exam/test and decided to cut class you will not be able to make it up and will receive a grade of a zero (0).

Quizzes (20%): Quizzes will be given three to four times during each semester/term. They will not be open notebook.

Class Participation (10%): Students are encouraged to actively participate in

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 within this course. Students will be exposed to visual, audio, and tactile methods that are essential to learning.