

P.S. 35 Manhattan High School
Course Syllabus

Course Code: MES42QQF
Course Name: Algebra I 2/4
Teacher Name: Trim
Year and Term: 2017-2018 Term 2

Learning Standard Strands Addressed: (at least one strand per lesson)

N.RN. (Analysis of the Real Number System)
A.SSE. (Seeing/Interpreting structure in algebraic expressions)
F.IF. (Interpreting Functions)
A.REI. (Reasoning with Equations and Inequalities)
F.LE. (Linear, Quadratic and Exponential Models)

Course Description:

The Algebra I curriculum is full of all of the fundamental mathematics skills, techniques and strategies used to maneuver through the post secondary life; as well as the Algebra I NYS Regents Examination. Starting from the basic understanding of real numbers, evaluating inequalities and solving algebraic expressions; we end the course by starching on the surfaces of Trigonometry. Although this may seem intimidating, we all will be taking just one step at a time towards our objectives. As long as we keep our 'Eyes on the Prize', passing the class and Regents Examination will seem as easy as recalling the alphabets.

We will cover all Algebra I topics from solving/evaluating algebraic expressions, analyzing radical and rational numbers, multiplying/dividing exponential terms, graphing absolute value functions, transformations, algebraic word problems and quadratic equations.

Calendar/Unit Map:

Unit 1: Adding, Subtracting, Multiplying and Dividing Exponential terms
(January 30-March 2)

Unit 2: Graphing functions and Inequalities
(March 5-March 29)

Unit 3: Analyzing Radical and Rational numbers
(April 9-April 30)

Unit 4: Analyzing Transformations and the Quadratic Equation
(May 1- June 8)

Course Materials:

Your Mathematics notebook
Writing utensil
Algebra I textbook/ Regents Study guide

Grading Policy:

25% - Attendance/Homework

Homework is given on a daily basis. Whether class is missed or not, you are expected to make up all missed assignments for your full homework credit. Homework is simply a tool used to assess whether or not the student is retaining the classwork taught during school hours.

25% - Classwork/ Notebook Check

At least one notebook check will randomly come per Unit. All Aims and Do Nows must be recorded into your notebooks. Even if you are absent from a day of class, it is your responsibility to get the work you missed from either another classmate or from one of the educators in the room. A proper heading (Name, Date and Class) should be on top of each new page of classwork.

25% - Exams

Either a quiz or test (worth two quizzes) will be given on a weekly basis, to assess the learning of the entire class. Assessments show how much knowledge is being retained and highlights what skills are still needed.

25% - Projects

All projects are meant to be a creative way to express and display the skills that you have picked up during the Unit of learning.

Other Expectations:

Students will arrive to class early and ready to learn. If a student is ever absent for a class; for whatever reason, make up assignments will always be given and accepted. Trying your best is the only true expectation on a daily basis. If you ever feel like you need some extra help or want to discuss the course, or grades or anything else; I will always be available in room 313 during periods 1 and 2 (815am-945am).