

Syllabus: Algebra 2/4
Spring-2023
Teacher/Instructor: Ms. Khanum

Welcome to Ms. Khanum's Algebra 1 class! This course follows the New York State Next Generation Algebra 1 curriculum, which prepares students for Algebra 1 Regent Exam. In this course, students will implement mathematical reasoning and evaluation, which guide them to solve Algebraic math problems. In addition, students will learn how to relate Algebra in their everyday life.

### <u>Units which we will cover in this course are:</u>

## **Content focus: Interpreting and Building Functions**

### Unit 4: An introduction to Functions

✓ What we are learning: using Graphs to relate two quantities, patterns in linear and non-linear functions, graphing and writing function rules, formalizing relations and functions, and arithmetic sequences.

#### **Unit 5: Linear Functions**

✓ What we are learning: rate of change and slope, direct variation, slope-intercept form, point-slope form, standard form, parallel and perpendicular lines, scatter plots and trend lines, graphing absolute value functions.

# Unit 6: System of equations and inequalities

✓ What we are learning: solving systems by graphing, using substitution, and using elimination, application of linear systems, linear inequalities, and system of linear inequalities.

**Supplies for this course: A graphing calculator**, notebook, graph papers, pencils, erasers, and a ruler.

# **Grading for Algebra 1 Course**

Classwork	Test & Quizzes	<u>Homework</u>	<u>Participation</u>	Daily Behavior
35%	20%	<u>5%</u>	20%	20%

## Where to find us!!

Teacher: Ms. Khanum

Paraprofessional: Ms. Russo

Phone: 212-247-4307 # 308

Email: <a href="mailto:fkhanum2@schools.nyc.gov">fkhanum2@schools.nyc.gov</a>