



Jill Sandusky, Principal

Trevon Adams, Assistant Principal
Shawn Farnum, I.A. Assistant Principal
Melissa Moskowitz, Assistant Principal

237 Seventh Avenue
Brooklyn, NY 11215
Telephone: 718-832-4305
Fax: 718-788-8127

www.parkslopecollegiate.org

Algebra I Syllabus

At Park Slope Collegiate, one of our many goals is for students to develop into critical thinkers through the exploration of math. Working collectively, students will gain skills that will not only be useful in math class, but in the real world.

This course introduces students to key concepts and theories that provide a foundation for further study in mathematics (Geometry, Algebra II, and beyond) and increases students' mathematical literacy, problem solving, and critical thinking skills. The kind of learning activities in which students will engage can be described as cooperative group investigations, partner collaboration, or individual work (depending on the topic and assignment.) All of which are designed to help students understand and explain the key concepts presented in this course, incorporating mathematical reasoning, analysis, communication skills, and real world applications.

Textbook & Materials

This year, we are using "Imagine IM Algebra 1 Curriculum". All work will be posted on google classroom. Along with the online component, students will receive a student workbook. Additionally, we are asking that students bring with them to class a notebook, a folder and a pencil.

Major Assignments/Projects

- Classwork will be assigned Monday - Thursday (excluding test days)..
- Quizzes will be given throughout each unit based on teacher discretion.
- There will be a test at the end of each unit.
- Students will be required to complete at least one project.
- Students are required to complete group activities and tasks.
- Students are encouraged to complete online practice assignments at www.ixl.com .

Course Outline:

Semester 1	
Unit 1 - One-Variable Statistics Standards: S.ID.1, S.ID.2, S.ID.3	Sep/Oct
Unit 2 - Linear Equations and Systems Standards: N.Q.1, A.SSE.1, A.CED.2, A.CED.3, A.CED.4, A.REI, A.REI.1a, A.REI.3, A.REI.6a, A.REI.10	Oct/Nov
Unit 3 - Two-Variable Statistics Standards: N.Q.3, S.ID.5, S.ID.6, S.ID.6.a, S.ID.7, S.ID.8, S.ID.	Nov/Dec
Unit 4 - Linear Inequalities and Systems Standards: N.Q.1, A.CED.1, A.CED.3, A.REI.3, A.REI.10, A.REI.12	Dec/Jan
Semester 2	
Unit 5 - Functions Standards: A.CED.4, A.REI.1, A.REI.11, F.IF.1, F.IF.2, F.IF.4, F.IF.5, F.IF.6, F.IF.7, F.BF.1, F.BF.1a, F.BF.3a, S.ID.6.	Feb/Mar
Unit 6 - Introduction to Exponential Functions Standards: N.Q.1, A.SSE.1, A.SSE.1b, A.SSE.3c, A.CED.2, F.IF.2, F.IF.3, F.IF.4, F.IF.5, F.IF.6, F.IF.7, F.BF.1a, F.LE.2, F.LE.3, F.LE.5, S-ID.6a	Mar/Apr
Unit 7 - Introduction to Quadratic Functions Standards: A.SSE.1, A.SSE.2, A.SSE.3, A.APR.3, F.IF.2, F.IF.5, F.IF.7, F.IF.7a, F.IF.8, F.IF.9, F.BF.1, F.BF.1a, F.BF.3, F.BF.3a, F.LE.3	Apr/May
Unit 8 - Quadratic Equations Standards: N.RN.3, A.CED.1, A.REI.1a, A.REI.3, A.REI.4, A.REI.4a, A.REI.4b, A.REI.7a, A.REI.10, A.SSE.2, A.SSE.3, A.APR.3, F.IF.2, F.IF.4, F.IF.5, F.IF.7a, F.IF.8, F.IF.8a, F.IF.9	May/June

Course Assessment/Grading Policy:

Grades will be calculated according to the following scale

- ❖ Exams, Quizzes, Projects & Tasks: (50%)
- ❖ Class Work / Class Participation: (30%)
- ❖ Practice Problems/Notebook: (20%)

Student Expectations:

- a. Mistakes are valuable
- b. Depth is more important than speed
- c. Everyone can learn math to the highest levels
- d. Math class is about learning not performing

Resources for Families:

[Family Support Materials for Algebra 1](#)

[Online TI-84 Graphing Calculator](#)

Course Teachers:

- Ms. Benavente: abenavente@schools.nyc.gov
- Ms. Jarara: mjarara@schools.nyc.gov
- Ms. Tulloch: stulloch@schools.nyc.gov