

SAMUEL S. FELS HIGH SCHOOL

5500 Langdon Street
Philadelphia, PA 19124
215-537-2516

2011-12 Algebra 2 Syllabus

Ms. Frankel

Course Description

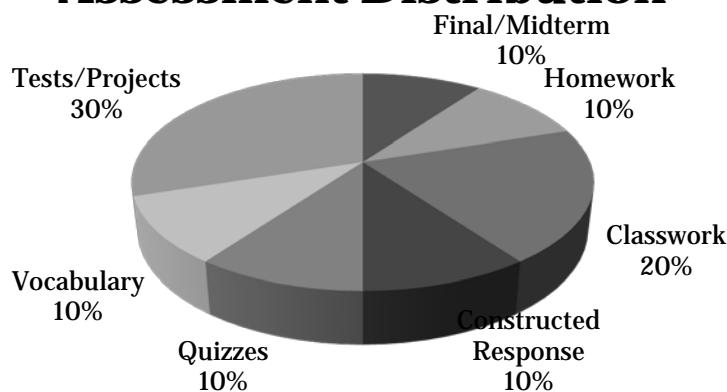
This course will involve investigations of the relationship among quantities, the modeling of phenomena, and the mathematical study of change in various concepts. This course is an extension of Algebra 1, so many of the fundamental skills and concepts should be familiar to you. Concepts that are developed fall within five categories: Numbers & Operations, Measurement, Geometry, Algebra, and Data Analysis & Probability. Upon successful completion of this course, students will have earned one full mathematics credit.

Grading

This course will be graded using a variety of methods that include class participation; class work (Do Now/Warmups, problem sets, exit tickets, etc.) and homework assignments; quarterly projects; quizzes (some of which may be unannounced); chapter tests; as well as midterm and final examinations.

Grading Structure	
A	100-90
B	89-80
C	79-70
D	69-65
F	64-0

Assessment Distribution



Course Outline

This topics studied during this course will include, but not be limited to, sequences and series, complex numbers, polynomial functions, quadratic systems, conic sections, and logarithms. The approximate timetable for each chapter of our textbook is shown below:

Start	Chapter/Unit Title
Sept. 7	Ch. 1 Data and Linear Representations
Oct. 3	Ch. 2 Numbers and Functions
Oct. 22	Ch. 3 Systems of Linear Equations and Inequalities
Nov. 16	Ch. 4 Matrices
Dec. 6	Ch. 5 Quadratic Functions
Dec. 19	Ch. 6 Exponential and Logarithmic Functions
Jan. 23	Ch. 7 Polynomial Functions
Feb. 6	Ch. 10 Counting Principles and Probability

Feb. 21	Ch. 12	Statistics
Mar. 14	Ch. 11	Series and Patterns
Mar. 28	Ch. 8	Rational Functions and Radical Functions
Apr. 11	Ch. 9	Conic Sections
May 9	Ch. 13	Trigonometric Functions
June 6	Ch. 13	Chapter 13 Project

Textbook and Supplementary Materials

- Text: Algebra 2, James E. Schultz, Holt, Rinehart and Winston, 2004.
- Three-ring binder (Not a spiral notebook.)
 - Pencil & Eraser
 - Ruler
 - Graphing Calculator (supplied)
 - Graph paper

Expectations

- Students are expected to arrive to class **on time, every day**.
- Students are expected to arrive to class **prepared to work**. (Have your notebook, pencils, etc.)
- Students are expected to arrive to class dressed in the **appropriate uniform**. (With ID visible on your lanyard around your neck. No blue jeans, hats, or hoodies.)
- Food and drink will not be permitted.

Assignments

- All students are to maintain a notebook for notes (vocabulary lists, graphic organizers, lecture notes, etc.) as well as a journal (student reflections, project logs, etc.).
 - Notebooks and journal entries can be assessed at any point during the school year as a **classwork grade**, so please stay up to date on each of those.
- Students are expected to turn in all assignments **on time**.
 - Late Work
 - Each day that an assignment is late ten percent (10% or one letter grade, whichever is appropriate) will be **deducted** from the grade.
 - **No late work** will be accepted after the chapter/unit test date.
- In the case of absences:
 - Students are expected to make up any assignments that are missed due to an excused absence within **two days**.
 - A note with a valid excuse and parent signature must be provided upon your return to class.
 - Any work received after the grace period will be subject to late rules.
 - No makeup work will be accepted for cuts.

Academic Honesty

Students are expected to complete all individual assignments **on their own**. Collaboration will be allowed for group work, but each student must submit his or her own assignment. Cheating is a violation of the Student Code of Conduct. Any student caught cheating will be subject to disciplinary action (which may include after school detention and parent conference).

Additional Information

I am available after school on Monday-Thursday most weeks for tutoring. If you are having any difficulties in my class, please do not hesitate to speak with me. I am willing to work with you toward your success if you are willing to put forth the effort.

Contact Information

I may be contacted by leaving a message (name, return number, and best time to call) via the school phone number 215-537-2516 or email me at msfrankel@comcast.net. I will make every effort to return your call within 24-48 hours. Additionally, information such as assignments and grades can be accessed online at www.msfrankel.com for any student or parent who wishes to do so.

Parent/Guardian Acknowledgement

Please read through this syllabus with your student and make sure that each of you is aware of and understand the commitment that we all will make for your student's success in this course. Please do not hesitate to contact me with any questions or concerns that you or your student may have at any point during this school year. I hope to have a great school year and want to make sure that your student makes positive strides toward their ultimate goals.

I, _____, have completely reviewed this document with my parent/guardian and understand that I responsible for my own academic success.

Student signature: _____

I, _____, have completely reviewed this document with my student and understand that I am part of my student's academic success.

Parent/Guardian signature: _____

Parent/Guardian Contact Information

Please list any number(s) at which I may be able to reach you and the times that are most convenient for each number:

Home: _____ Best Time(s): _____

Work: _____ Best Time(s): _____

Cell: _____ Best Time(s): _____

Email: _____