

## Peekskill High School Algebra I Common Core

### Teacher Information:

Miss Schuck / Future Mrs. Lennane  
Hamilton College, B.A. Mathematics  
SUNY New Paltz, M.A.T. Secondary Math Ed

### Class Information:

Period 8 and 9  
Room 213  
Full Year

### Contact:

[jschuck@peekskillschools.org](mailto:jschuck@peekskillschools.org)  
(914) 737 – 0201 Ext: 3702  
Room 213

### Google Classroom Code:

j6mgu8a

### Course Description:

This class will cover all topics stated in NYS Algebra 1 Common Core curriculum; it culminates in the Algebra 1 Common Core Regents exam in June.

Algebra 1 introduces students to variables, algebraic expressions, equations, inequalities, functions, and all their multiple representations. The students will develop the ability to explore and solve real-world application problems, demonstrate the appropriate use of the graphing calculator, and communicate mathematical ideas clearly. This course lays the foundation for mathematical literacy that will help students be successful in any other subsequent course in mathematics. Success in this course must be encouraged and emphasized since **passing the Algebra 1 courses and regents are part of the New York State graduation requirement!**

**Objectives:** Upon completion of the course, students will be able to...

- Simplify or identify equivalent algebraic expressions.
- Represent math relationships using symbolic algebra.
- Differentiate between linear and nonlinear functions.
- Model and describe slope as a rate of change.
- Identify the slope from a graph, table or equation.
- Evaluate variable expressions and functions.
- Identify an equation of a line from given information.
- Recognize the general shape and properties of functions from graphs, tables or equations.
- Interpret the role of coefficients and constants on graphs of linear or quadratic functions.
- Analyze functions by investigating domain, range, rates of change, intercepts, and zeroes.
- Model problems using functions and relations.
- Create and construct representations that are tabular, graphic, numeric, and symbolic from a set of data.
- Represent quantitative relationships graphically and interpret the meaning of the graph as it relates to a certain situation.
- Interpret and solve linear equations and inequalities independently as well as systems of linear equations and inequalities.

**Required Texts:** Provided 3-Hole Punch Notes to be put in binder.

**Required Materials:** Each day, students are required to bring the following to class.

- Pen/Pencil
- Binder
- Literacy Journal (kept in class)
- ALEKS Folder
- Graphing Calculator

**Attendance:** Class attendance is required every day and is part of your grade through daily DO NOW assignments! If you are absent, you are responsible for getting any missed notes and making-up all missed homework, quizzes, or tests. If you are absent on the day a homework assignment is due, you must turn it in upon your return to class. If you're absent for several days, you will have the number of days you were absent to make up assignments. For example, if you were absent for 3 days, you have 3 days to make up work and turn it in on the 4<sup>th</sup> day. Quizzes must be made up within two days of being absent and tests must be made up within a week of being absent – it is YOUR RESPONSIBILITY to schedule a time outside of class to make up these assessments. Failing to comply with these policies will result in zeroes on respective assignments.

**Homework:** Homework for this class will be mostly online. Homework will be assigned every Monday and is expected to be completed by the next Monday. We will be using the ALEKS or Delta Math program. For ALEKS, your assignment will be completing two hours and ten topics each week; not reaching this goal will result in a lower grade. Delta Math assignments will be a graded or given a participation grade. I will drop the two lowest homework scores each quarter.

**Quizzes:** There will be half-period quizzes given on every Friday that cover the week's material. This may include Common Core Regents questions. Smaller quizzes may be given during the week to test for fluency of specific skills. All quizzes will be announced in advanced.

**Checkpoints:** Short assessments will be given throughout the year to gage your understanding of the standards and content. These assessments will not be graded, but will count for a participation grade. They are meant to assess you understanding and further guide our teaching practices on the standards.

**Tests:** Full-period exams will be given out at the end of every unit and announced a week in advance. Each test will have both multiple choice and extended response questions. Test corrections will be available after every test. Students may earn back half the points they lost on the test. Test corrections include written explanations and a reflection.

**Projects:** Projects will be given throughout the year for various topics. These are meant to enhance your understanding of Algebra 1 concepts and demonstrate their applications in the real world.

**Grading Scale:** Your grade for this course is broken down as follows:

Quizzes, Tests, Projects: 45%

All four quarters: 25% each

Classwork: 35%

Homework: 20%

PLEASE NOTE: The Regents exam is no longer calculated into the final grade, but it is required for graduation.

**Extra Help:** I will most likely be at the high school in room 213 by 7:30am every day. Call back is also every day in Room 213. The Elton Brand Academy is a great resource as well and I will be there a few days per week. If you need even the slightest bit of help, please DO NOT HESITATE to ask.

**Classroom Policies:** In this class you will be expected to follow all the rules of Peekskill High School as outlined in the student code of conduct and PBIS matrix.

**BE RESPONSIBLE**

**BE RESPECTFUL**

**BE SAFE**

Thank you so much for your cooperation with all these matters. Please forward any questions about this syllabus or class to my direct person or the contact information at the top of this document. I look forward to the school year and starting my career t PHS with you!

Miss Schuck

P.S. On the following page is a signature page that states you and a parent/guardian have read and acknowledged everything on this syllabus. Please read it over with your parents/guardians and hand it in by **Friday, September 13, 2019**. A handwritten note that replicates the following page will also be accepted.

Date: \_\_\_\_\_

Dear Miss Schuck,

We have just read the syllabus for your Algebra I class. We understand what is expected and will do what is asked to the best of our abilities.

Student's Name: \_\_\_\_\_

Student's Signature: \_\_\_\_\_

Parent or Guardian's Name: \_\_\_\_\_

Parent or Guardian's Signature: \_\_\_\_\_

**CHOOSE THE BEST METHOD TO CONTACT YOU**

☐ I would like updates on my child's progress by email.

Parent or Guardian's Email: \_\_\_\_\_

☐ I would like updates on my child's progress by phone.

Parent or Guardian's Phone: \_\_\_\_\_