

Course Syllabus: Algebra 1: 2017-2018

Contact Information: Mr. Roos

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Website: CANVAS

Office Hours: Monday through Thursday from 6:00 – 7:30 a.m. and during 5th period study (A).
After school appointments after football season.

Course Description: Welcome to Algebra 1! Equations and inequalities will be interpreted by using tables and graphs and will be solved through algebraic transformations. Students will experience extensive work with linear equations, including systems of equations. Exponential and quadratic functions will be introduced. By being asked to apply algebraic methods to solve a variety of real world and mathematical problems, students will grow in their ability to use abstraction and symbolism. Graphing calculators will be used throughout the course and are necessary for homework completion. Successful completion leads to Geometry.

Alignment to the Iowa Core Curriculum: Understand and applies concepts of algebra.

Standards: Relationships between quantities and reasoning with equations, Expressions and equations, Linear and exponential relationships, Quadratic functions and modeling, Relationships of polynomial, rational and radical functions. This aligns with the Iowa Core.

Assessments: Students will complete both formative and summative assessments throughout the year. These may include quizzes, tests, projects, collaborative work, labs, homework assignments, writing reflections, or any other means of measuring progress.

Content: We will be covering the following units to deepen your understanding of the following: Linear Equations ♦ Linear Inequalities ♦ Systems of Linear Equations ♦ Exponential Functions and Sequences ♦ Quadratic Functions ♦ Factoring ♦ Radical Functions and Equations ♦ Data Analysis

Instructional Strategies: A variety of strategies will be used, including (but not limited to) group work, individual work, teacher-led activities, collaborative discussion, and problem-based activities.

Resources:

Text: *Big Ideas Math: Algebra 1*: Larson and Boswell

Student Notebook

Online: CANVAS, Khan Academy Online Videos, www.clever.com/in/dbqschools

In School Help: 5th period in C223

Academic/Behavior Expectations:

▪ What if I miss class?

If you miss class for any reason, **you** will be expected to get the notes and the assignment for those days. If you miss the review day of the test, you will still be expected to take the test with the rest of the class. If you miss a test or quiz you will be expected to make it up the next day during the class period. If you are gone for multiple days, see me to schedule a make-up time.

▪ What if I am struggling?

If you start to fall behind in class, the best thing to do is get help IMMEDIATELY. The longer you wait, the more you fall behind and the worse it gets. You can get help from me before school, after school, or during 5th hour A study time.

▪ General rules:

- You are expected to arrive prompt and prepared for class, in your seat when the bell rings.
- Follow the golden rule: Treat people how you like to be treated. Disrespect or harassment of any kind will not be tolerated in this classroom.
- *Attendance:* Your success in math requires you to be in class every day and an active participant. I will follow the Hempstead Policy regarding tardies and absences.

- **Your ID needs to be worn at ALL times and visible to staff.**
- Plagiarism and cheating will not be tolerated. Cell phones visible during a test will be considered as cheating and you will receive an automatic zero, and it is possible to be dropped from the class with an F. (See pages 32 and 33 of student planner).
- Active discussion is encouraged, but needs to be respectful: raising hands, and respecting others ideas. In order to be successful you will need to participate in in-class discussions and small groups and contribute to the discussion.
- Only water will be allowed in the classroom, no other food or drink.
- **Cell Phones & Other Electronic Devices:** No cell-phones are allowed in class, your phone and other electronic devices should be off in a backpack/purse. Cell phones are **NOT** an acceptable calculator.
- This is a high school course and I expect you to behave as the responsible students that you are and show your Hempstead PRIDE.
- If at any point there is a concern with your academic progress, classroom conduct, or attendance, there will be consequences for your actions. The consequences are, but not limited to the following:
 - ◆ Phone call or email to parents/guardians
 - ◆ Conference with parents/guardians, assistant principal and/or counselor.
 - ◆ AP referral
 - ◆ Individual Behavioral Plan
 - ◆ Dropped from class with an F
 - ◆ Lunch or After School Detention
 - ◆ Saturday School

Materials: These materials are needed for every class.

1. Student journal for classroom notes
2. Notebook or loose-leaf paper for textbook homework assignments
3. Laptop for checking solutions or working on problems assigned through CANVAS
4. A 3-ring binder/Folder
5. Pencil and Eraser (all work needs to be done in pencil)
6. A Graphing Calculator (I recommend a TI-83 or TI-84)
7. Your Textbook (Can be kept in class)
8. Your Planner

Grading Plan: Final grades will be determined on a percentage system (5% homework, 5% projects, 20% quizzes, 60% tests, and 10% final exam). Extra credit is extremely rare, but there will be some opportunities. I will not give extra credit out at the end of a semester. Retakes for tests are available, and must be completed within two weeks of receiving graded test. In order to do a retake all homework from that chapter must be completed, must make test corrections, fill out a form requesting retake, and choose 2 options to complete from list on form.

Grading Scale

A	93-100	C	73-76
A-	90-92	C-	70-72
B+	87-89	D+	67-69
B	83-86	D	63 -66
B-	80-82	D-	60-62
C+	77-79	F	0-59

Grades are updated as assignments are turned in, and you will have the ability to see your grade online at any time. If you are struggling please come in for tutoring and make sure to utilize the resources that are given to you: websites, Internet, etc. Thanks! ☺

-- Mr. Roos

This Sheet to be turned in - signed and dated

Name: _____ Period: _____

Technology

Does the student have: Circle your answer.

Access to home computer (tablets available for checkout)	yes	no
Internet available at home	yes	no
Office365 (available through school for download)	yes	no
Printer	yes	no
Graphing Calculator (can be rented from teacher)	yes	no

Contact Information

To maintain better communication, please provide e-mail addresses and/or phone numbers where you would like to receive information. Please PRINT CLEARLY.

Parents/Guardians e-mail address & phone number #1

Signatures – To be signed by both Parent/Guardian and Student

I have read and understand the Algebra 1 syllabus, and understand the expectations and requirements of the course.

STUDENT SIGNATURE

DATE

PARENT/GUARDIAN SIGNATURE

DATE

*** If there are any concerns or conditions that you would like me to be aware of, write them on the back of this paper. I will be the only one to see these.