

Course Syllabus: Algebra 1: 2015-2106

Contact Information: Ms. Klein, Mr. Roos, Mr. Loeffelholz

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Office Hours: Monday through Thursday from 7:00 – 7:30 a.m. and after school by appointment.

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: Khan Academy Online Videos

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 a test or quiz you will be expected to make it up the next day. 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 D study time.

▪ General rules:

- You are expected to arrive prompt and prepared for class.
- 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.
- Cheating will not be tolerated. Cell phones visible during a test will be considered as cheating.

- 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 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

Materials: These materials are needed for every class.

1. A notebook for classroom notes
2. A 3-ring binder/Folder
3. Pencil and Eraser (all work needs to be done in pencil)
4. A Graphing Calculator (I recommend a TI-84)
5. Your Textbook
6. Your Planner

Grading Plan: Final grades will be determined on a total point system from tests, quizzes, homework, projects, class work, and final exams.

Tests 35%- tests always announced several days ahead and are always out of 100 points.

Quizzes 30% – usually announced the day before

In Class Work/Homework 25% – In class, group activities, exit tickets, homework checks

Semester Exam 10 % – the semester final is cumulative.

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 weekly, 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! ☺

-- Ms. Klein

This Sheet to be turned in - signed and dated

Name: _____ Period: _____

Technology

Does the student have: Circle your answer.

Access to home computer	yes	no
Internet available at home	yes	no
Office365 (available through school for download)	yes	no
Printer	yes	no
Graphing Calculator	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.