

## ***Course Syllabus: Algebra I: 2017-2018***

**Contact Information:** Ms. Van Nevele

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**Office Hours:** Tuesday & Thursday from 7:00 – 7:30 a.m. and after school by appointment.

**Course Description:** 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, homework assignments, writing reflections, or any other means of measuring progress. There will be a final exam at the end of each semester.

**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) pretests, group work, individual work, teacher-led activities, collaborative discussion, and problem-based activities.

### **Resources:**

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

Student Journal

Online: Canvas, Khan Academy, [www.clever.com/in/dbqschools](http://www.clever.com/in/dbqschools)

In School Help: 5<sup>th</sup> hour during A or D study 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 that day. The assignment you missed will be in the absent folder for your period along with a cover sheet. You must turn in the assignment the following day with the cover sheet attached. 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, 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 5<sup>th</sup> hour A study time.

- *Rules and Expectations:*
  - You are expected to arrive promptly, prepared for class, and 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.
  - Your ID must be worn and visible to staff at ALL times.
  - *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, you will receive an automatic zero, and it is possible to be dropped from the class with an F.
  - 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 class discussions and small groups.
  - Only water will be allowed in the classroom, no other food or drink (unless approved due to medical conditions, 504, or IEP).
  - **Cell Phones & Other Electronic Devices:** No cell-phones are allowed in class; they must be placed in the cell phone station in your assigned pocket. Cell phones are **NOT** an acceptable calculator. If I see a cell phone out in class, it will be confiscated until the end of the day and will be returned after a 20 minute detention. iPods/Mp3 players with headphones are allowed during work time and must remain face down on the desk or out of sight. Your laptop should NOT be out unless I have requested you to use it.
  - 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

**Plagiarism:** Plagiarism is the act of using other people's words or ideas as your own. This does not demonstrate Mustang PRIDE and will NOT be tolerated at Hempstead High School. See pages 32-33 in your planner.

**Materials:** These materials are needed for **every** class.

1. Your laptop
2. A notebook for classroom notes
3. A 3-ring binder/Folder
4. Pencil and Eraser (all work needs to be done in pencil)
5. A Graphing Calculator (I recommend a TI-83 or TI-84) – can be rented from school
6. Your Textbook
7. Your Planner

**Grading Plan:** Final grades will be weighted as 5% homework, 5% activities, 20% quizzes, 60% tests, and 10% Final Exam. Homework will be assigned almost daily and graded based on an entrance ticket the day it is due. Retakes for tests are optional and must be completed within two weeks of receiving graded test. In order to do a retake, students must fill out a request form and attend a re-teaching session with me. Extra credit will not be available.

### 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 frequently so keep an eye on it online. If you are struggling, please come in for help and make sure to utilize the resources available to you! Let's have fun and learn some math! ☺

-- Ms. Van Nevele

**This Sheet to be turned in - signed and dated**

Name: \_\_\_\_\_ Period: \_\_\_\_\_

**Technology**

Does the student have: Circle your answer.

|   |     |    |
|---|-----|----|
| Internet available at home                        | yes | no |
| Office365 (available through school for download) | yes | no |
| Printer   | yes | no |
| Graphing Calculator (year check out available)    | yes | no |

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**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 & primary phone number

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

I have read the Algebra I 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.