

# GSE Honors Algebra 1

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## Course Outline:

This course will consist of the following units (with some extension topics such as: compound inequalities, division of square roots, systems of inequalities, linear programming, factoring using grouping and factoring quartic expressions in quadratic form, and standard deviation)

- Unit 1-Relationships Between Quantities & Expressions
- Unit 2 - Reasoning with Linear Equations and Inequalities (will be broken down into 2 mini-units)
- Unit 4 - Modeling & Analyzing Exponential Functions
- Unit 3 – Modeling and Analyzing Quadratic Functions (will be broken down into 3 mini-units)
- Unit 5 – Comparing and Contrasting Functions will be embedded in unit 4 and unit 3.
- Unit 6 – Describing Data
- Review for Milestone

**Textbook:** Algebra 1 – Houghton Mifflin Harcourt

**Textbook Website:** [my.hrw.com](http://my.hrw.com)

## Classroom Expectations:

- DO NOT HAVE YOUR CELLPHONE OUT DURING CLASS!
- Show your work to receive full credit.
- Be respectful, on time and come to class prepared.
- Stay focused and on task, due to the high expectation of class participation.
- No food is allowed in the classroom. Drinks are okay but keep them capped.

## Homework:

- Homework will be assessed at the teacher's discretion using a variety of methods for completion and/or accuracy.
- Credit for accuracy will not be awarded unless it is evident the student made an effort to model the concepts and examples from the notes/class work.
- The student **MUST** show the steps used and not just an answer (as modeled in class).

## Tests/Quizzes:

- Quizzes and tests will be given throughout each unit to assess learning.
- There will be **no sharing of calculators** on quizzes and tests. If you wish to use a calculator, you must bring your own (you may not use your cell phone calculator).
- Talking during quizzes and tests constitutes cheating. You **WILL RECEIVE A ZERO**

## Milestone End of Course

- The Milestone is a state-mandated test that counts 20% of the overall class avg.

## Grading:

- Semester grades consist of the following:
  - Summative (test/unit projects/quizzes)
  - Formative (quizzes/warm-ups/graded homework)
  - Informal (daily assessments/daily homework)

### **Mathematics Department Mastery Plan:**

- Students will have an opportunity to show mastery (retest) on **one** summative test (no matter the original grade) for full credit replacement. Students will also have the opportunity to retake a summative test on which they score below a 70. The highest score they can earn on the retest is a 70.
- To take advantage of these opportunities, students must satisfy the following:
  - must have attempted the original assessment
  - prepare for and attend at least one tutoring session with their teacher within a week and retest before the next summative test.
  - complete all assignments that support the instruction of the assessment
- **Any assessment where cheating has occurred is exempt from these opportunities.**

### **Notebook:**

- It is imperative each student keep an organized notebook.
- Students must keep all unit tasks, unit packets, homework, class work, warm-ups, quizzes, and tests in a notebook.
- If you are absent, it is your responsibility to get notes from a classmate to copy or print them off the website.

### **Tutoring: Tutoring is offered at specific times throughout the week. Additional tutoring is offered by other math teachers and can be found on the NPHS website or posted outside my door.**

- My specific tutoring time will be on Thursday mornings from 8:00-8:25 and Tuesday afternoons from 3:30-4:00. These sessions will be held in room 921. Any other days you would like to come in for assistance, please make arrangements with me before you stop by.
- I am willing to assist any student who feels the need for extra help. However, if a student has not utilized class time wisely or is not utilizing tutoring time wisely, then the student will be asked to leave.
- Please come to help sessions prepared with specific questions.

### **Make-Up Work:**

- Make up work is the responsibility of the student. I will NOT remind you!
- Make up work will not be completed during class. It is the student's responsibility to schedule a time for make-up tests and quizzes with teacher.
- A student who misses one day of class the day before a scheduled test (review day) will take the test in class as scheduled.

**Supplies: Students will need the supplies daily, so they should ALWAYS be in their book bag. Loose leaf paper, pencils, binder, calculator (TI-84 Graphing Calculator)**

**Annotated notes, worksheets, Study guide answer keys, and can be found on my website (which is updated daily). This is the best way to determine what is going on in class and this is where I will post all upcoming quiz and test dates. Again, my website is <http://cmwarren.weebly.com>**

### **I believe:**

**In Mastery Learning**

**In varied instruction: lecture, pair-share, collaboration, math talk**

**In respect, readiness and responsibility among all... parents, students, and myself**