

## GSE Algebra II Syllabus

2019 – 2020

School Phone: (770) 954 – 9515  
schoolwires.henry.k12.ga.us/elhs

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**Text:** *intro Algebra 2, Houghton Mifflin Harcourt Publishing Company*

Authors: Burger, Dixon, Kanold, Kaplinsky, Larson, and Leinwand

Henry County Teaching and Learning Standards:

[https://schoolwires.henry.k12.ga.us/cms/lib/GA01000549/Centricity/Domain/5962/Advanced\\_Algebra\\_Math\\_HTLS\\_PRINT.pdf](https://schoolwires.henry.k12.ga.us/cms/lib/GA01000549/Centricity/Domain/5962/Advanced_Algebra_Math_HTLS_PRINT.pdf)

Georgia Standards; Frameworks located at [www.georgiastandards.org](http://www.georgiastandards.org)

*GSE Algebra II/Advanced Algebra is a rigorous mathematics course covering the topics listed below. This class is designed for the exceptional math student who is seeking a background that will prepare the student for advanced math and science courses. Students should be self-motivated and exhibit excellent study skills to properly succeed.*

### According to the Textbook

- ✓ Functions and Equations
- ✓ Polynomial Functions and Equations
- ✓ Rational Exponents and Radical Functions
- ✓ Exponential and Logarithmic Functions and Equations
- ✓ Rational Functions and Equations
- ✓ Sequences and Series
- ✓ Inferences and Conclusions From Data

### According to the State Tasks

- Quadratics Revisited
- Operations With Polynomials
- Polynomial Functions
- Rational and Radical Relationships
- Exponential and Logarithmic Functions
- Mathematical Modeling
- Inferences and Conclusions From Data

### **Expectations:**

- Students are to be in class, prepared, and ready to learn when the bell rings to begin the period. Class will be dismissed at the teacher's instruction.
- Students will actively participate in class in a manner that facilitates learning the material being presented or reviewed.
- Students who are absent from class, and the absence is excused according to the student handbook, are responsible to determine what work was missed and make up that work according to the timeline set forth in the student handbook.
- Students will handle technology responsibly. Technology use can be very helpful in the classroom but that which is not conducive to learning the material will not be allowed.
- The purpose of the new electronic device policy is to make sure that there is no distraction to the learning environment and that every student can be completely focused on academic achievement.**
- If a student is in possession of any electronic devices (smartphone, tablet, etc.), then those devices must be placed in an assigned pocket of a classroom phone caddy during every class period including instructional focus. If you have more than one device, (ex: multiple smartphones, and/or tablets), then both items must be placed in the assigned pocket. Students will be allowed to use their devices in the morning in the commons area before first period, between class changes, and during lunches (as long as they are not speaking on the phone or playing music that others can hear).**
- Please note that failure to comply with this expectation will result in a discipline referral and appropriate consequences will be given. Also, ELHS is not responsible for lost or stolen electronic devices. Students are encouraged to leave "non-instructional" personal items at home. The school-issued Chromebooks are the only electronic devices that are needed in the instructional setting.**

**Grading:**

- Grades are computed per semester.
- Practice Work – 40%.
- Assessment Tasks – 40%.
- Semester Summative Assessment Tasks – 20%.
- See the Student Handbook for more detailed information.

**Materials:**

- Students are required to have pencils and paper though they will also find items such as rulers and graph paper useful.
- A three-ring binder, or another method students find useful, will be needed for organizing notes and monitoring standards throughout the course.
- Students will need a Graphing Calculator (examples include: TI-83/83+, TI-84/84+, TI-*nspire*, TI-*nspire* CX, Casio PRIZM FX-CG10, Classpad 300, FX-9750GPlus, 9860G). A classroom set of TI-83/83+, TI-84/84+ calculators will be available for use during class.

**Communication:**

- If you wish to contact me, please e-mail me at any time. I will answer e-mails within 24-hours unless I'm out of town.
- If you desire a parent conference, you will need to schedule it through the school counseling office.
- Grades are accessible through Infinite Campus. It is recommended that you monitor Infinite Campus on a regular basis. I update Infinite Campus according to the schedule set forth by Henry County Schools (and, when possible, more often).
- I attend many of the school's sporting, academic, and cultural events, so on many Fridays and Saturdays you can speak with me at one of these activities.

**What can students do to be successful?**

- Be in class every day.***
- Pay attention throughout the entire class time.*** We have reached a time where a new concept is being presented or discovered each day. If a student is distracted during class they will miss things that are important to gain understanding.
- If a student has a question or they do not believe they understand something, come in and get help before or after school, as tutoring is available, as soon as possible. The longer a student waits to get questions answered the more difficult it becomes to catch up.

Bring this syllabus home and have it signed by a parent. Bring it back to class by Monday, August 5 for a quiz grade.

Signed \_\_\_\_\_