

# Advanced Algebra Course Syllabus

**Instructor:** Christian Kendrick

**Room #:** 122

**Year:** 2018-2019

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**School Website:** <http://schoolwires.henry.k12.ga.us/domain/246>

**Course Name and Title:** GSE Advanced Algebra

**Textbooks Used:** N/A

**Calculator:** Casio fx-115ES

**Office Hours/ Tutoring:** \*3:20-4:00 MONDAY AND WEDNESDAY

**\*\*Tutoring times may vary based on meetings and other obligations that may pop up. Please check with me at least a day in advance for tutoring times updated each week.**

**Supplementary Texts or Special Materials:** Various resources will be used throughout the school year and either distributed in handouts or posted online.

**Course Description:** It is in Algebra II/Advanced Algebra that students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into six critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include quadratic (with complex solutions), polynomial, rational, and radical functions. And, finally, students bring together all of their experience with functions to create models and solve contextual problems. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

## **Course Outline and Content:**

- Unit 1: Quadratics revisited (~4 weeks)
- Unit 2: Operations with Polynomials (~5 weeks)
- Unit 3: Polynomial Functions (~5 weeks)
- Unit 4: Rational and Radical Relationships (~6 weeks)
- Unit 5: Exponential and Logarithmic Functions (~5 weeks)
- Unit 6: Mathematical Modeling (~5 weeks)
- Unit 7: Inferences and Conclusions from Data (~5 weeks)

**Special Assignments and Projects:** Information about special assignments and projects will be distributed with ample time prior to due dates.

## **Classroom Rules and Discipline Procedures:**

To ensure an optimum learning environment, please adhere to the following:

- Students will be respectful to all adults and classmates.
- Students will be seated in class when the bell rings.
- Students will not display cell phones, portable electronic devices or unauthorized materials in class unless directed by a teacher to do so.
- Students will use computers/technology appropriately at all times.

## **Make-up Work Policies:**

Unexcused absences will result in no grades awarded for the work given while absent. Excused absences allow the students to make up the work in the equal amount of time they were absent.

## **School-wide Grading Requirements as follows (year-long grading):**

Semester Final Average:

Final exam or EOC/Milestone Assessment- 9<sup>th</sup>- 12<sup>th</sup> grade level courses- 20%

Course Final Average- all 9<sup>th</sup>- 12<sup>th</sup> grade courses- 80%

Formative assessment:

Practice (i.e., classwork/homework)- 20%

Summative assessment:

○ Quizzes/labs- 35%

○ Major tests/projects- 45%

Note: \*the Formative and Summative Assessments equal 100% but fall under the category of Course Final Average which is 80% of the Course Final Average.

Course Final Average- Year-long Average (80%) and Final Exam/EOC Milestone (20%)

\*Grades for each 9 week grading period should include a minimum of the following: 3 tests in the summative assessment/Test category, 3 labs/quizzes in Lab/Quiz category and 9 Practice grades.

**Request to Retest:** If a student is not successful at demonstrating mastery on a quiz or test, there will be ONE OPPORTUNITY to retest the missed concepts. Remediation and review to prepare for the retest must be documented and approved. Students should complete and submit a written Request to Retest to their mathematics teacher at least 2 days prior to the requested retest date. If a student fails to attach the original test to the Request to Retest form, they will have to retake the entire test. Forms will be stored in the classroom and online.

**Academic Integrity Policy:**

Academic integrity is a fundamental value of quality education; therefore, Woodland High School will not tolerate any acts of cheating, plagiarism, or falsification of school work. Should it be determined that an academic integrity violation has taken place, the school reserves the right to assign a grade of a zero and submit a disciplinary referral to the appropriate Assistant Principal. The school also reserves the right to remove or suspend enrollment in any Advanced Placement/Honors classes as well as Academic Honor Societies.

**Materials Needed:** Students will need ample paper and writing supplies. It is highly recommended to have Casio-115ES plus calculator; most students have these already, but you may purchase one at the store or you will receive information on how to purchase one from the school.

**Technology Information:** Technology usage in the classroom will depend on the classroom teacher and what the plan is for the day. If cell phones or other devices become a distraction they may be confiscated by the teacher and held until the end of the period or turned into the front office for pick up by the parent at the end of the day. Students are expected to follow their specific teacher's rules regarding technology usage on a day to day basis.

Chromebooks are to be used for school purposes only. Students must abide by the technology handbook and student handbook rules when using their personal Chromebook devices. All usage of the Chromebooks will be monitored in and out of class.

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**STUDENT/PARENT CONSENT OF UNDERSTANDING:**

I have read and understand all of the objectives, requirements, and expectations for GSE Geometry taught by Mrs. Kendrick.

Student name (PRINTED) \_\_\_\_\_

\_\_\_\_\_  
Student signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent signature

\_\_\_\_\_  
Date

If you did not come to open house or if you did but have not yet filled out the parent information survey, please fill out the information below. You may also fill out the survey on my webpage electronically. If you choose this method, please write a note below that you have done so or send me an email when complete so I can ensure that I did indeed receive your information. Thanks!

Parent(s) printed name: \_\_\_\_\_

Parent(s) Home Phone Number: \_\_\_\_\_

Parent(s) Cell Number(s): \_\_\_\_\_

Parent(s) email address: (print clearly) \_\_\_\_\_