

# Algebra 2 Honors Spring 2026

## Greenville Senior High School

### I. Greenville High School Mission Statement

Our mission is to foster excellence by empowering students to become critical thinkers, productive citizens, and lifelong learners.

### II. Course Description

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, radical, logarithmic, and trigonometric functions. Students work closely with the expressions that define the functions, and they continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students identify appropriate types of functions to model a situation, they adjust parameters to improve the model, and they compare models by analyzing appropriateness of fit and making judgments about the domain over which a model is a good fit.

### III. Course Prerequisites

Students entering this course should have mastered all South Carolina state standards for Algebra 1 and Geometry.

### IV. Student Expectations

1. Be on time & on task
2. Be present and ready to learn
3. Bring supplies to class EVERY day (this includes your chromebook charger!!)
4. Check PowerSchool and Google Classroom EVERY day!
5. **And most importantly RESPECT...**
  - ★ The teacher
  - ★ Your classmates
  - ★ The space
  - ★ Yourself

#### Supplies:

Pencils  
Pens or colored pencils  
Dry erase markers  
Chromebook (charged!)  
Notebook

### II. Device Policy

NO CELL PHONES, AIRPODS, OR OTHER PERSONAL DEVICES DURING INSTRUCTIONAL TIME. Devices must be in bags or pockets, not on your desk. Per school policy, having a device out during class time will result in an immediate referral.

### III. Tardy Policy

I will follow the tardy policy as stated in the student hand book.

#### IV. Important/Helpful Websites

**PowerSchool** - This is where I enter grades. It is YOUR responsibility to check PowerSchool daily. If you are missing an assignment, it will be marked as a zero. If you notice any errors, please *email* me so I have a written copy of your request.

**Google Classroom** - CHECK EVERY DAY!

Here you can find digital copies of the syllabus and all class materials. Each day I will post our agenda in the stream, and I will post all notes, assignments, and lesson recordings under the classwork tab.

**Desmos** - Online calculator and graphing tool students can use (for free!) if they do not have access to a graphing calculator outside of the classroom.

**Khan Academy** - Lots of example problems with video explanations.

**Paul's Online Math Notes** - Lots of example problems with written explanations.

#### III. Office Hours

Office hours are by appointment only during 1st lunch or before/after school. You may request an appointment in person or by email. All appointments will take place in Room 323.

#### IV. Distance Learning

On days where we have remote, distance, or e-learning, all information and material will be posted on Google Classroom. There will be assignments posted and you will be expected to complete them. The missing work policy will be enforced during distance learning. If you have questions or need assistance, I am always available to help via email.

#### V. Assessment Plan

**Quarter Grade:**

Major Assessments 60%

Minor Assessments 30%

Homework 10%

**Semester Grade:**

Q1 Grade 45%

Q2 Grade 45%

Final Exam 10%

I will follow the District grading scale: 100-90 = A, 89-90 = B, 79-70 = C, 69-60 = D, <60 = F

#### V. Make-Up Work

If you are absent, it is my expectation that you will get the notes from Google Classroom and complete the assignment at home. If you miss a test or a quiz, it is your responsibility to schedule a time with me to make-up the assessment. All missing assignments will be entered in PowerSchool as a ZERO on the day that they are due. That does NOT mean that they will STAY a zero. You have one week (5 school days) from the day you return to submit make-up work without a penalty. After that, the late work policy will be followed.

## **VI. Late Work**

Minor grades: You have one week (5 school days) after the due date to submit late work. Each day it is late is minus 10 points. Late work will not be accepted after more than 5 days.

Major grades: Minus 10 points per day for 5 days. After 5 days the maximum score possible will be a 50.

## **VII. Topics to Be Covered**

Unit 1: Linear Equations and Inequalities

Unit 2: Transformations and Characteristics of Functions

Unit 3: Radical and Complex Numbers

Unit 4: Quadratic Functions

Unit 5: Polynomial Expressions and Functions

Unit 6: Rational Functions

Unit 7: Exponential and Logarithmic Functions

Unit 8: Trigonometric Functions and Matrices

Unit 9: Systems of Equations

Unit 10: Series and Sequences

Unit 11: Probability

\*Topics and the order in which they are covered are subject to change at the discretion of the instructor in order to best meet the needs of the students.

## **VIII. Academic Integrity**

Academic integrity is submitting one's own work and properly acknowledging the contribution of others. Any violation of this principle constitutes academic dishonesty and may result in a failing grade and/or conferences with parents/guardians and administration. Forms of academic dishonesty include, but are not limited to..

- Obtaining, attempting to obtain, or providing an assignment to other students.
- Discussion at any time of any graded assignment.
- Copying or attempting to copy from other students' graded assignments.
- Communicating information (answers, questions, procedures) about a graded assignment with another student.
- Preprogramming a calculator to contain answers or unauthorized information.
- Using unauthorized materials, prepared answers, notes, or concealed information during any graded assignment (includes information that can be retrieved on a personal device).

Per the student handbook, any student who violates the academic integrity policy will receive a zero for the assignment, their parents/guardians will be contacted, and administration will be notified.