

# Syllabus and Class Expectations

**Mrs. Lesley Murkerson**

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Room 2401



## COURSE DESCRIPTION AND OUTLINE:

Honors Advanced Algebra: Concepts & Connections is the third course in Georgia's high school math sequence. Students explore functions – including exponential, logarithmic, polynomial, radical, rational, and trigonometric – while deepening their algebraic reasoning and problem-solving skills. The course prepares students for higher level math by emphasizing real world applications, data analysis, and mathematical modeling.

## Units of Study:

Unit 1: Parent Functions and Transformations  
Unit 2A: Graphing and Solving Quadratics  
Unit 2B: Modeling Polynomial Functions  
Unit 3A: Exponential and Logarithmic Functions  
Unit 3B: More Exponential and Logarithmic Functions  
Unit 4: Description and Inferential Statistics  
Unit 5: Rational Functions  
Unit 6: Radical Functions  
Unit 7: Trigonometry and the Unit Circle  
Unit 8A: Matrices  
Unit 8B: More Matrices

More detailed information about this course can be found at:

**Standards & Course Overview:** <https://www.georgiastandards.org/Georgia-Standards/Pages/Math-9-12.aspx>

**Textbook:** McGraw Hill Georgia Reveal Algebra 2. Students will have access to an electronic textbook through their SSO portal.

**GRADING POLICY:** Per Houston County Board of Education policy, each student's average will be calculated as follow:

Major Assessments = 45%

Minor Assessments = 20%

Daily Work = 15%

Final Assessment = 20%

\*This course includes a cumulative final exam at the end of each semester.

**INFINITE CAMPUS:** Student grades can be easily monitored by checking Infinite Campus regularly. Parents and students have access to Infinite Campus.

**Supplies:** Pencils, Notebook paper, Binder.

**Optional (and recommended) Supplies:** TI-84Plus Graphing Calculator

**IXL Policy:** Students will be required to utilize IXL as a means of improving specific content skills. This will be a monthly minor assessment grade which will be due on the last school day of each month. To earn full credit students will need to get four assigned skills to a score of 80%. There will not be an opportunity to earn a late grade on this assignment due to the abundance of time afforded to complete it.

**Homework Policy:** Students are expected to attempt each problem to receive full credit (100). **If homework is not completed, a zero will be assigned.** Students can make up the assignment at which point the zero will be replaced. Students are limited to 3 homework make-ups per semester.

**Test Retake Policy:** Students will be allowed to retake two-unit tests per semester. In order to be eligible for a retake, students will need to attend tutoring and correct each missed problem on a separate sheet of paper accompanied by an explanation of the concept being assessed. I will review the test corrections to ensure they are correct and that the student is now prepared to demonstrate improved mastery of the content by taking the test retake. Retakes must be finished in a single sitting. Retakes will take place before or after school.

**Tutoring:** I will be available for tutoring Tuesday and Wednesday 3:00-3:30. Other days and times may be available on a week-by-week basis. These additional times will be posted in Canvas and the classroom.

**Chrome book:** All students are issued a district-provided chrome book for instructional purposes, student engagement, and student learning. Chrome book use is at the direction and discretion of the teacher.

**Classroom Rules:**

1. Bring all supplies to class every day.
2. Sharpen pencils before class starts.
3. Use the restroom before class starts.
4. Stay seated during instructional time.
5. No gum, food, or drinks in class.
6. Leave other student's property alone.
7. Do not ask for a pass during instructional time.
8. All student handbook rules apply as well.

**Consequences:**

If any student should fail to comply with the classroom rules, he/she will receive:

First: Reminder of classroom expectations

Second: Parent contact

Third: Office referral

**Bathroom Policy:** Students are expected to use the restroom in between classes. Passes will not be issued during instructional time. Students are expected to be in the classroom where learning takes place.

**Testing Policy:** Students are expected to place all electronics in bookbags during assessments. Bags will be placed in front of the classroom until testing ends.

**Canvas:** To encourage blended learning, Canvas will be used on a weekly basis. Students should be familiar with how to navigate the online platform, communicate with their teacher, and submit assignments on time. If there are any technology limitations, please notify the teacher.

Honors Advanced Algebra  
Mrs. Murkerson

**By signing below I acknowledge that I have received, read and understand all the objectives, student expectations, classroom rules and procedures, grading policy, disciplinary consequences, calculators, and tutoring information in the syllabus for the Honors Advanced Algebra course.**

Parent/ Guardian, please include your email address and the single best phone number at which to contact you between 7:15-3:30.

Student Name (Print) \_\_\_\_\_ Period \_\_\_\_\_

Parent/Guardian Name \_\_\_\_\_ Number \_\_\_\_\_

Parent/Guardian E-mail Address \_\_\_\_\_

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Student Signature

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