

Honors Algebra II
Course Syllabus
2023 – 2024 School Year
Dutchtown High School

Teacher: Tammy Lynde

Room 212

School (770) 515-7510

Email address: Tammy.Lynde@henry.k12.ga.us

Texts: Georgia Department of Education Algebra II/Advanced Algebra Frameworks
HMH *into Algebra 2* (digital version on Chromebook; actual books available by request)

Supplies:

Three Ring Binder	Pencils	Notebook Paper
*Scientific Calculator (no cell phone calculator)	Dry Erase Markers (for student's use)	

** Students should have a scientific calculator. The Casio fx-115 ES PLUS has algebraic and statistical capabilities that students have found particularly helpful in class and on previous state assessments, so instruction will be given on this model, but any scientific calculator is fine.*

Course Description / Content:

Honors Algebra II is a semester-long course designed to provide students with a rigorous program of study in mathematics. This is the third of four in a sequence of mathematics courses designed to prepare students for AP Calculus or Calculus at the college level. This course encourages students to reason mathematically, to evaluate and communicate mathematical arguments both formally and informally, and to make connections among mathematical topics and those in other disciplines. Working individually or collaboratively, students should be actively engaged in inquiry and discovery related to real phenomena.

In Honors Algebra II, students will apply methods from statistics to draw inferences and conclusions from data. They will expand their repertoire of functions to include polynomial, rational, radical, exponential, and logarithmic functions. They will also expand their skills with solving equations as they solve quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric equations. And, finally, students will bring together all of their experience with functions and geometry to create models and solve contextual problems.

Grading:

Practice Work (40%)

Practice assignments, homework and quizzes will assist students in self-assessment of mastery of standards and will contribute to the Practice Work Grade (40% of Final Grade). Warm-up and class or homework assignments will be made daily and are designed to help students understand, practice, and apply the standards prior to being formally assessed on the standards. They should be used as an indication of whether further assistance is needed on a standard/topic. Warm-ups and homework will be checked for completion every day they are assigned. We will go over homework, so late homework will not be accepted. Quizzes over one to three elements of the standards will be given at least weekly.

Assessment Tasks (Unit Tests) (40%)

The course standards will be mastered through the completion of tasks and related practice. Unit Tests will be graded by standard, with each of the categories listed below being weighted equally. Test Grades will contribute to the Assessment Grade (40% of Final Grade). Unit tests over multiple standards will be given about every two to three weeks.

Semester/Course Exam (20%)

Students will take the Honors Algebra II Exam over all of the units in the course in December 2023 or May 2024. It will count as 20% of course average.

Final Grade = 40% Practice Work + 40% Assessments + 20% Course Exam

Grading Scale:

A = 90-100

B = 80-89

C = 74-79

D = 70-73

F = 0-69

	Name of Standards Category	Standards	Unit
1	Center & Spread; Sampling & Randomization	DSR 2.1 - 2.3	1
2	The Normal Distribution	DSR 2.4 - 2.8	
3	Operations with Complex Numbers	DSR 5.2 - 5.3	2
4	Polynomial Classification and Operations (+/-/x)	Pre-req moved to geom	
5	Polynomial Division	Pre-req moved to geom	
6	Factoring Polynomials	FGR 5.1, 5.4, 5.5	
7	Algebraic Identities & Binomial Theorem	FGR 5.10	
8	Finding Roots of Polynomial Functions	FGR 5.6, 5.7, 5.8, 5.11	
9	Graphing Polynomial Functions	FGR 5.9	
10	Operations with Rational Expressions/Equations	FGR 8.1, 8.2, 8.4	3
11	Rational Functions	FGR 8.3	
12	Radical Operations	FGR 4.1	4
13	Expressions with Rational Exponents & Radicals	FGR 4.1	
14	Equations with Rational Exponents	FGR 4.2, 4.4	
15	Graphs of Radical Functions	FGR 4.3	
16	Graphing Exponential and Logarithmic Functions	FGR 3.2	5
17	Solving Exponential and Logarithmic Equations	FGR 3.3, 3.4	
18	Solving Exponential Growth & Decay Problems	FGR 3.5, 3.6, 3.7	
19	Solving Systems of Equations	FGR 3.1	6
20	Matrices	PAR 6.1 – 6.4	
21	The Unit Circle	GSR 7.1	
22	Trig Equations	GSR 7.2	7

Infinite Campus:

Grades will be uploaded to the online gradebook, *Infinite Campus*, on a regular basis, at least weekly. Each student has a log-in and parents are encouraged to have one as well. Students and parents should monitor mastery of standards on a regular basis. For more information about Infinite Campus, click the link: <https://tinyurl.com/Infinite-Campus-FAQs>.

Late Work:

- Homework and Classwork assignments are due on time for full credit.
- Late homework will not be accepted. Late graded work may be turned in for 80% credit as long as the class has not gotten their graded papers back and provided it is made up prior to the district late work deadlines each grading period.

Semester 1: September 1, October 6, November 3, December 15

Semester 2: February 2, March 15, April 19, May 3 (Seniors), May 17 (9th – 11th)

- **Friday, December 8th** is the last day to complete any missing tests.

Make-up Procedure: (Per student handbook)

It is the student's responsibility to make arrangements for make-up work. The number of days allowed to complete make-up work will be one day for each day absent, unless determined otherwise by the principal. Failure to comply with this make-up procedure will result in a zero (0) being given for work and graded assignments missed during an excused absence.

Students with excused absences may arrange with the teacher for extra help if an extended absence is unavoidable. Students who have an absence on the day of a test should come prepared to take that test after school on the next available tutoring day. Make-up tests will not be given during class time or during IF.

Tutoring:

Tutoring is available on Monday and Thursday afternoons from 3:30 – 4:30 p.m. From time to time, tutoring will be cancelled due to meetings or parent conferences, but generally Mrs. Lynde knows about these in advance and will communicate this to her students. Make-up quizzes and tests may also be completed during tutoring times.

Classroom Rules:

1. Be Prompt – Be on time and begin working on the warm-up activity immediately; do not linger in the hallways. Class begins promptly, and we work from bell to bell. Wait for dismissal by the teacher.
2. Be Prepared – Come to class prepared to learn. Have a workspace that allows you to work on paper. Have your notebook, pencil(s), and calculator with you every day. ***Put your cell phone and all other electronics that might be a distraction to you in your book bag and place it on the counter.***
3. Be Productive – Stay focused. Leave class knowing more than what you did when you came in.
4. Be Polite – Do unto others as you would have them do unto you. Respect yourself, respect others, and respect your learning environment at all times! Do not bring food or drink into the classroom. Respect other adults in the building by being quiet during announcements and when the teacher is addressed via the intercom.

Procedure for enforcing class, school, and county rules:

- 1) For any offense of classroom rules: 4-step process
 - First offense: conference with student
 - Second offense: parental contact and $\frac{1}{2}$ hour detention
 - Third offense: $\frac{1}{2}$ hour detention
 - Fourth offense: referral to administration
- 2) For any offense that falls into SECTION I, II, or III (from student handbook):
 - First offense: Referral to administration

STUDENT INFORMATION LINK

Students, please follow the link below to answer some questions about yourself and how you learn.

<https://forms.gle/VuGjvGR2bg7VpGq76>



Sign up for REMIND messages **@88kh47**

You can text 88kh47 to 81010 or join on-line at rmd.at/88kh47.

Dear Parents,

In an effort to keep you informed about your child's performance in Honors GSE Algebra II, I will send home regular progress reports. My progress reports will include an *Infinite Campus* summary report and will require a parent signature. If your child's grade drops below 75, I encourage you to email me or call the guidance office and set up a parent conference.

Fall Semester

August 29

September 26

October 24

November 28

Spring Semester

January 30

February 27

March 26

April 23

Your child should keep graded papers in his/her notebook but should also be checking *Infinite Campus* weekly. If at any point in the year you have a question or concern, please do not hesitate to contact me at school by email at Tammy.Lynde@henry.k12.ga.us.

Thank you,
Tammy Lynde

PARENT CONTACT INFORMATION LINK and RECEIPT OF SYLLABUS, STANDARDS, AND PROGRESS REPORT SCHEDULE

Parents, please follow the link below to acknowledge that you have received the course syllabus and progress report information for Honors Algebra II. Completing the form electronically will ensure accuracy of your contact information.

<https://forms.gle/pmF27PdkcE26N8W69>