



Honors Algebra 2 Mr. Sleeth

COURSE SYLLABUS

COURSE OVERVIEW & INSTRUCTIONAL GOALS

In this course you will be working on advanced algebra and trigonometry concepts. Functions, beyond linear, will be explored in detail. Trigonometry will be a big part of Semester 2. Some statistics will be introduced as well. This course is different than the regular Algebra 2 in that you will tackle more application based problems and explain your thinking to both students and teacher. No notes on quizzes and tests are allowed. Calculator use will be based on the concepts being tested.

At the end of this course, you will be able to:

- Transform all types of functions (including exponential, log, trig, and piecewise)
- Solve, graph, and graph quadratic equations and functions.
- Do basic operations on polynomial and rational expressions
- Understand and use the Fundamental Theorem of Algebra
- Use the properties of exponential and log functions to simplify and solve.
- Calculate statistical data dealing with probability and normal distributions
- Use trig identities to simplify, solve, and graph trigonometric functions and equations

NEEDS AND RESOURCES

Prerequisite courses, knowledge, and skills:

- Passing grade of B or higher in Geometry and Algebra 1
- Teacher recommendation

Required Materials

- Notebook (spiral preferred) to take notes
- Pencil and Pen (black or blue)
(Calculators are not required highly recommended. If purchasing, TI-83 or TI-Inspire are preferred. A classroom set will be available during class time only.)

Print Resources

- An Algebra 2 textbook will be used in class and can be checked out in the library if needed

Online Resources

- An online version of the textbook is located at <http://my.hrw.com> . Students will be provided with a username and password to access it.

COURSE SCHEDULE

We will be following the text sequentially from Chapter 1. There may be minor adjustments throughout the year to accommodate testing and unforeseen circumstances. Some sections may be combined with others or skipped to emphasize other concepts that are required. Quizzes will typically happen after 2 or three sections, and tests will be at the end of each chapter.

POLICIES AND PROCEDURES

Classroom Rules & Procedures:

- Each student will be given an assignment log sheet that has all the assignments for the quarter on it. Feel free to work ahead. Each assignment will be worth 20 points and will be graded upon heading, neatness, and either completion/work or correctness. Look at the assignment rubric for more detail. Points can also be deducted for cell phone violations.
- If you are absent and need more than one day to do the assignment, the teacher may approve and sign the top of the paper as verification of the granted extra time. You must do this for every extra day needed. No points will be lost. Late assignments, however, will be deducted 50% up to one week. After a week no more than 25% will be given.
- Each student will be given a folder to keep their graded assignments, quizzes, and tests.

Grading Policies and Grading Scale:

Quarter grades are determined by: daily work (15%), quizzes (30%), and tests (55%). It is important, therefore, that you give adequate time to prepare for each quiz and test. The grading scale is based on the school's honors scale that affects their GPA.

CELL PHONE POLICY:

As cell phones become more advanced they have also become difficult to use appropriately during class hours. With the temptation and struggle of catching students using phones, I will be providing a place for students to choose to put their phones. If a student chooses not to turn in their phone, and I catch them with it out without permission, then I will do one or more of the following: take points off their assignment, collect the phone till class/school day ends, email/call the parent, write a referral to admin.

CONTACT INFORMATION

- Mr. Sleeth
- Room B103
- Office hours: 2:30-3:00pm or by request
- wsleeth@fhUSD.org
- (480)-664-5560

Student Signature: _____

Parent Signature: _____

Does the student have internet/computer access at home? _____

Does the student have a cell phone? _____