

AP Algebra II Syllabus

Ms. Brown

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Rm. 111



COURSE DESCRIPTION: Welcome to Algebra II Honors! I am looking forward to an exciting and productive year. I know that our class will accomplish many things, and will build your mathematical knowledge. However, in order for learning to take place there are some guidelines and expectations that students need to follow.

TEXTBOOK: Charles, Randall I., et al. *Florida Algebra 2*. Boston, Massachusetts: Pearson, 2015.

COURSE MATERIALS: Students will be expected to bring the following items to class on a daily basis:

- 1) Textbook – Florida Algebra 2: Pearson 2015
- 2) 3-ring binder (2” minimum) with all work in chronological order
- 3) Notebook & Graph Paper
- 4) Scientific Calculator (Graphing calculator (TI-84) is recommended, but not required) *Cell phones *may not* be used as calculators.
- 5) At least 2 pencils

COURSE OUTLINE:

FIRST NINE WEEKS

- Unit 1 Equations and Inequalities (Chapter 1)
- Unit 2 Functions, Equations and Graphs (Chapter 2)
- Unit 3 Linear Systems (Chapter 3)
- Unit 4 Graphing Quadratic Functions and Equations (Chapter 4)

SECOND NINE WEEKS

- Unit 5 Solving Quadratic Functions and Equations (Chapter 4)
- Unit 6 Polynomials and Polynomial Functions (Chapter 5)
- Unit 7 Radical Equations and Rational Exponents (Chapter 6)

THIRD NINE WEEKS

- Unit 8 Exponential and Logarithmic Functions (Chapter 7)
- Unit 9 Rational Functions (Chapter 8)
- Unit 10 Sequences and Series (Chapter 9)
- Unit 11 Conic Sections (Chapter 10)

FOURTH NINE WEEKS

- Unit 12 Probability & Statistics (Chapter 11)
- Unit 13 Periodic Functions and Trigonometry (Chapter 13)

STUDENT EVALUATION: Regular evaluation of students takes part on a daily basis. Student grades will be based on 4 different categories:

- 1) Test/ Projects(60%)
This category represents major chapter or unit tests in the nine-week period, as well as a wide variety of projects which will be assigned throughout the year. These projects will be counted as test grades, and be score based on a rubric specifically designed for the given project. Students will be provided with scoring rubrics at the time the project is assigned.
- 2) Classwork / Homework (15%)
Homework will be given on a daily basis, and is expected to be in class and completed when it is due. Late homework will not be accepted. Students who are absent are expected to get the assignments that they missed from the assignment board, and have them turned in as soon as possible. Absent students will have no longer than the number of days absent to get make-up work turned in. See the homework scoring rubric below for more details on homework grades.
- 3) Quizzes (20%)
Regular in-class quizzes will be given to check students’ progress and comprehension
- 4) Warm-Ups/Exit Slips/Class Presentation (5%)
Each class period will begin with 3-5 warm up problems intended to launch into the day’s lesson. Warm-Ups will review prior knowledge needed for the lesson, or assess understanding of recently learned topics. Exit slips will assess understanding of the basics of the daily lesson. In addition, students will be expected to present selected problems to the class throughout the quarter.

HOMEWORK POLICY: Homework will be assigned nightly and graded daily for completion. Homework problems are considered complete only if they have been attempted with the appropriate amount of WORK shown. **No credit will be given if there is no work shown.** Each homework assignment will be graded on a 2-point scale according to the following rubric:

2 points – ALL homework problems are attempted WITH WORK

1 point – at LEAST HALF of the homework problems are attempted with work

0 points – LESS THAN HALF of the homework problems are attempted

Students who were absent for a homework check must show the instructor the missing homework immediately upon return to class (or the number of class periods absent if the homework was assigned while the student was not present).

MAKE-UP POLICY: Regular attendance in this or any class is ABSOLUTELY VITAL. As always, make-up work remains the FULL responsibility of the student! Exams and assignments announced in advance will be taken and are due on the announced date regardless of a student's attendance prior to the date. Missing a review the class period prior to a test date does NOT excuse a student from taking a test. Students missing a test or quiz will be required to make up that evaluation DURING the period the student returns to class. Students are also required to make up missed homework assignments. An extended absence due to illness should be confirmed with the Guidance Office so that makeup work can be delivered to the student.

CURRICULUM GUIDE ASSESSMENT: CGA's are Benchmark Exams, administered by the County, and will be given each quarter. These exams will reflect the topics covered during the quarter, and will be given at the end of each quarter. **The exam will count as a quiz grade.**

LEARNING RECOVERY OPPORTUNITY: Douglas Anderson is a school which embraces mistakes as an essential part of learning. As a result, students who have completed at least 90% of their homework for a particular unit will be eligible to re-take the unit test if an unsatisfactory grade (69% or lower) was earned the first time. Test re-takes must be completed after school, and are only allowed once per unit.

FLORIDA STANDARDS ASSESSMENT: At the end of the course, all students will be required to take a computer based statewide Algebra II assessment. There are no specific testing dates yet, but the exam will be given in late April or early May. In order for students to earn the Scholar Diploma designation, they must pass the Algebra II FSA exam.

EXTRA HELP: Extra help is available B-day after school from 3:30-4:00 p.m. in room 111. It is also available during Power Hour, and student tutors are available through the school's National Honor Society. Students should come prepared with specific questions – tutoring time will *not* be devoted to re-teaching class material, due to inattentiveness during class time or absence.

PERSONAL ELECTRONIC DEVICES: Cell phones, portable mp3 players (such as iPods), portable game systems, and other personal electronic devices are strictly prohibited in the classroom. If found, used, or seen, these devices will be confiscated and turned in to the Dean's Office with a discipline referral for return to a PARENT only. Cell phone and mp3 player calculators will NOT be allowed in class.

EXPECTATIONS FOR STUDENTS:

- 1) Be on Time
- 2) Come in, take your seat and prepare class materials: pencils, homework etc...
- 3) Respect the your fellow classmates
- 4) No food, drink, candy or gum
- 5) No electronic devices
- 6) Students are dismissed by the teacher, not the bell.
- 7) Respect the authority of all school personnel.