

Algebra II Pre-AP Syllabus

Kenzie Sanchez

Room 169

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Conference – 3rd period

Tutoring – every morning, 8:10 – 8:40

Website: <https://sites.google.com/eanesisd.net/whsksanchez>

Textbook: *Algebra 2* by Carter, Cuevas, Day & Malloy (McGraw Hill Education)

Textbook Website: connected.mcgraw-hill.com

McGraw Hill maintains a website that includes extra examples, interactive quizzes and video tutorials that are written for every section of the textbook. Students will be logging in during class to make sure they have access. Within the first week of school they should also verify they have access at home.

Materials:

- 3-ring binder with lined paper and graph paper
- Writing utensils – pencil is preferred
- charged iPad daily
- Four function calculators will be used on all assessments. There is a class set of four function calculators available, but students are encouraged to have their own.
- graphing calculator – TI 83+ or TI 84+ are allowed on SAT, SAT II and AP Math exams;
 - The calculator's memory will be cleared for all tests and quizzes.

Grading Policy: Your quarterly grade will be calculated with the following weights:

- **Daily Grades – 10%** - at least one daily grade will be earned each week, the method of collection will vary.
 - In class assignments both individual and collaborative
 - Learning checks – short quizzes for understanding; these may come directly from homework (accuracy)
 - Homework – unannounced daily homework checks (completion)
 - Random selection – on test day one assignment will be chosen to be taken for a grade. Assignments will be submitted electronically during their period on test days. (combination)
 - Late submissions will be taken for up to 70%
- **Tests – 90%**
 - There will be approximately 15 learning targets assessed each quarter. Each learning target will have its own test grade in the grade book.
 - Each test will typically include up to 5 learning targets. Instead of earning one grade for the whole test, students earn a grade for each learning target.
 - Students will have the opportunity to retest one learning target per test. They will have 5 days after the test is returned to complete the reassessment.
 - Any quarterly comprehensive assessment will carry the same weight as a single learning target.
- **Semester Average:** Your semester average is the average of the two quarterly grades (40% each) and the final exam (20%).

Homework

Completing homework is the most critical part of the learning process and it will be checked periodically. The effort that you put into your homework has the greatest bearing on how well you learn and retain mathematical knowledge. All problems should be attempted with work shown and you must check to see if your answers are correct.

Make-up Policy

- When you are absent it is your responsibility to look at the online calendar for the day, to turn in missed work, and to make arrangements to make up any tests or quizzes missed. Be sure to check the online calendar before talking to your teacher about make-up work.
- If you are absent for a school-related function you will be expected to participate in the next days' class as though you had been present – be sure to get your assignments before the missed day(s).
- Being absent the day before a test does not automatically excuse you from taking the test. If no new material was presented, you should expect to take the test as scheduled.
- If you miss class for any reason (excused or unexcused), remember that tutorial videos are available on the McGraw Hill website. In addition to the textbook videos, there are many videos available online. Please use these resources to help prepare yourself for your return to school.

UIL Eligibility

It is the student's responsibility to be aware of his/her grades and how those grades will affect their eligibility to participate in extracurricular activities. Refer to the Student Handbook for more information on eligibility rules.

Classroom Rules

- Be on time! School tardy policies will be enforced.
- Listen attentively, take notes, and ask questions – be present!
- Be courteous to all others in the class – listen patiently, offer encouragement, etc.
- Make mathematical thinking your top priority for 50 minutes.
 - Work only on math for the duration of the class.
 - Unless you are using them as part of a classroom activity and/or taking notes, iPads are to stay packed up during class.
 - Cell phones will be turned into the assigned pockets upon entry to the classroom.
 - Take care of your personal business before school, during passing periods, during lunch or after school.
- Follow the Westlake Honor Code. School policy will be enforced.

Course Description Topics studied in Algebra II PreAP include:

- Solving linear and absolute value equations and inequalities
- Graphing linear equations and functions
- Solving systems of equations and inequalities using algebraic and matrix methods
- Graphing quadratic functions; solving quadratic equations and inequalities
- Graphing polynomial functions; solving polynomial equations
- Writing inverse functions; graphing and solving radical equations and inequalities
- Graphing exponential and logarithmic functions; solving exponential and logarithmic equations
- Graphing rational functions; solving rational equations
- Investigating arithmetic and geometric sequences and series