



Algebra II Syllabus
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DESCRIPTION: Honors Algebra II is the third in a four course series of high school mathematics. Topics include quadratics, complex numbers, polynomials, rational functions, radical functions, logarithms, exponential functions, and the normal curve.

GRADING POLICY: Total Tests 50% | Quizzes 15% | Daily/Deltamath 25% | Final Exam 10%

The following weights illustrate how each of these categories (tests, quizzes, daily, and final exam) is divided up between units or assignments. Larger weights for tests are assigned to longer units or to units that contain standards that will be used in subsequent mathematics classes.

Weighted Breakdown per Category

Formative Assessments – Total of 40%

Deltamath homework assignments – one per unit – 7 units – 10%
Daily Grade – (WU, TOTD, Additional Homework Assignments) - one every 10 days - 15%
Quizzes – one per unit - 15%

Summative Assessments – Total of 60%

Unit 1 – Complex Numbers, Factoring, and Quadratics Revisited - 10%
Unit 2 – Function Operations - 3%
Unit 3 – Polynomial Functions – 10%
Unit 4 – Radical 2% and Rational Functions 10%
Unit 5 – Logarithmic and Exponential Functions 10%
Unit 6 – Statistics 3%
Unit 7 – Piecewise, Absolute Value, and Series – 2%
Final Exam – 10%

SHOW WORK: Appropriate work must be shown to support your answer on all assignments and assessments.

TEST RETAKE POLICY:

Students may retake a test that they have not passed by appointment only. The highest recovery grade that students may get on the retake test is 70%.

CLASSROOM PRACTICES: All rules in the student handbook are in effect and will be enforced. In addition, you are expected to be:

- ❖ **PREPARED** – Composition notebook, calculator, pencils, scratch paper. You do not need to bring the textbook to class. Students must have their **own** agenda filled when you leave the classroom. You may not enter my classroom late without a pass – either from a teacher or from a kiosk located in the 300 commons.
- ❖ **PARTICIPATORY** – Be punctual and participate in class activities.
- ❖ **PATIENT** – Be patient with others, the instructor, and yourself as you learn mathematics. Learning takes time. Be patient! Everyone in this classroom deserve respect. Either speak kindly or do not speak at all.
- ❖ **PERSISTENT** – Do your best and see problems through as far as you can. Try to record your steps precisely and neatly each step of the way.
- ❖ **A PROBLEM-SOLVER** – As we navigate through Algebra II, remember that you have to connect many properties to mathematical relationships. Some problems have multiple pathways to a solution or solutions. Problem-solving means thinking for yourself, acknowledging the benefits of working with your peers, and seeing everyone in the class as a resource. I'm here to help you learn how to think for yourself and to learn how to speak about mathematics properly.

I will issue one of the following consequences if your performance in any of these areas affects your learning or the learning of others.

- ❖ Warning
- ❖ Conference with student
- ❖ Phone call to parent/guardian
- ❖ Referral to the appropriate administrator

REQUIRED DAILY MATERIALS: You will need to come prepared every day with any due assignment, a notebook, writing utensil, DRY ERASE MARKERS, and a scientific calculator. We will be using white boards a lot for student practice. So, please bring a blue or black expo marker every day to class. The recommended calculator for this course is the **TI-30XS Multiview**. **Your cell phone cannot be used for a calculator.**

CELL PHONES: Students will no have cell phones out during class. Cell phones will be stowed away in a calculator pocket during class. Please consult the student handbook on disciplinary actions taken when students violate this policy.

COURSE BLOG: Please visit the blog for daily assignments and to determine missing assignments due to absences. Your assignments as well as upcoming quiz and test dates will be available on the blog.

ABSENTEE POLICY: Although it is essential that you attend every class, sometimes absences cannot be avoided. If you are absent, check with classmates and the blog for any assignments missed. If you are absent on review day, you are still responsible for any previously scheduled tests or quizzes on the assigned test day as detailed in the homework calendar.

Refer to the student handbook for policy regarding make-up work.

EXTRA CREDIT: Extra Credit is **NOT** an option for making up work or improving low averages.

EXTRA HELP: Tuesdays and Thursdays from 3:30 – 4:15 pm. You are welcome to come see me with questions if you are paying attention in class and completing your homework. Please come to the help sessions with specific questions from attempted problems.

MONITORING STUDENT PROGRESS THROUGH ONLINE GRADEBOOK: The ability to access grades online will be available to each student and parent. We strongly encourage you to monitor your grade regularly so any concerns you may have can be addressed in a timely manner. Please feel free to email me with any questions or concerns about your student's progress. If you experience difficulty accessing your grades online, I will be glad to assist you in understanding this process.

ELECTRONIC DEVICES: You may not use any electronic devices during direct instruction and will have administrative consequences. Additionally, the use of electronic devices during assessment days will result in a grade of zero.

COMMUNICATION: I want this class to be a productive learning experience. E-mail is the best way to contact me. Please feel free to e-mail me regarding any questions or concerns. I will use the email addresses provided through Synergy to contact you. Please make sure all your contact information is up-to-date.

PARENTS' NEXT STEPS

**To acknowledge the receipt of this policy sheet,
please go to the ALGEBRA II CLASS PAGE
and complete the FORM.
No paperwork needs to be submitted.**