

# Honors Algebra II: R. Seals ([seals\\_r@betheltate.org](mailto:seals_r@betheltate.org) or 732-2271 ext. 7037)

**Course Description:** Honors Algebra II is a rigorous course for those students intending to pursue a career related to mathematics and/or science. It is a college-level course taught at the high school level that prepares you for CCP College Algebra & CCP Trigonometry.

Topics in Honors Algebra II A include:

1. Review of real numbers
2. First-degree equations and inequalities
3. Polynomials and exponents
4. Rational expressions and complex numbers
5. Rational exponents and radicals
6. Linear equations and inequalities in two variables

Topics in Honors Algebra II B include:

1. Systems of equations
2. Quadratic equations and inequalities
3. Functions and relations
4. Conic sections
5. Sequences and series
6. College-level proofs

**Text:** *Intermediate Algebra with Applications*

**Supplies/Materials Required:** Scientific calculator, notebook, pencil, graph paper and paper

**Classroom Procedures:** Homework is assigned at least 4 times a week. This means that your student will usually have material that will need to be completed out of class. Homework is checked every time that it is assigned. Homework assignments are worth 5 points each. Homework is assessed on a “good faith effort” basis. That means I will check it for completion, notation, necessary steps and accuracy, even though the final answer may not be correct. As long as the homework is attempted and completed with “good faith effort,” the student will receive 5 points. Homework is viewed as practice and because of this is not accepted late. If a student is absent on the day an assignment is checked in class or needs to complete the assignment as make-up work due to an excused absence, the assignment should be submitted in Google Classroom prior to the beginning of the next assigned class period. If the absence is “unexcused,” the assignment must be submitted prior to the beginning of the class period on the due date in order to receive credit. In addition to this, if the absence is “unexcused,” the work assigned on that day will be due the next day as if the student is present in class. In addition, class notes and examples will be posted on my website [www.math4tigers.org](http://www.math4tigers.org) on a daily basis. These notes should not replace those that the student is expected to take in class, but should supplement them. If the student misses class because of an excused absence, work assigned prior to the absence is due on the day the student returns to school. The student can use my website to get any missed notes and have make-up work ready the day after the return to school as stated in the student handbook. We will also be using Google Classroom for assignments and announcements. Parents are encouraged to join the Google Classroom as well. Every homework assignment will be returned to the student so that s/he may use it to prepare for each test or quiz. All tests and quizzes will be returned to the students so that they may be able to see their progress, but the test or quiz will be kept in my room. Students are welcome and encouraged to come in during advisory or after school to go over them in more detail, but they must remain in my room unless prior arrangements have been made. Students needing extra help may attend the scheduled help sessions during advisory or after school or may see me after school upon request.

**Evaluation Procedures:** The board adopted grading scales will be used to calculate grades. Grades are based on the total points earned divided by the total points possible. Homework assignments are worth 5 points, quizzes are worth 15-25 points, tests are worth 40-60 points, and projects are worth approximately 15-25 points. All coursework is 80% of the semester grade with the final exam worth 20% of the semester grade. All work is to be completed in pencil – NO exceptions. Absence must be EXCUSED to receive credit for work not turned in on the due date. Or it can be submitted in Google classroom on its due date prior to the beginning of your assigned class period.