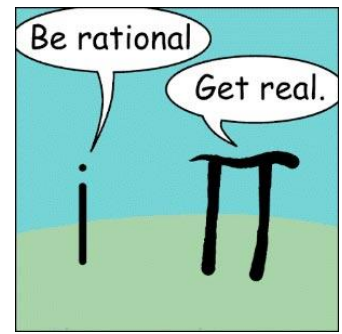


Honors Algebra II

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COURSE DESCRIPTION:

Honors Algebra II is a two-semester, two-credit course with topics similar to Algebra II, but covering them in greater depth and with less time in review. We will focus on Polynomial, Rational, and Radical Relationships, Trigonometric Functions, Modeling with Functions, and Inferences and Conclusions from Data. This course meets college entry requirements and successful completion leads to Pre-Calculus. A graphing calculator is necessary.

STANDARDS: ALIGNMENT TO THE IOWA CORE CURRICULUM

Understands and applies concepts of algebra, coordinates, transformation and trigonometric relationships.

CONTENT - WHAT ARE WE GOING TO DO IN THIS CLASS?

Chapter 1 Expressions, Equations, and Inequalities	Chapter 8 Rational Functions
Chapter 2 Functions, Equations, and Graphs	Chapter 9 Sequences and Series
Chapter 3 Linear Systems	Chapter 10 Quadratic Relations and Conic Sections
Chapter 4 Quadratic Functions and Equations	Chapter 11 Probability and Statistics
Chapter 5 Polynomials and Polynomial Functions	Chapter 12 Matrices
Chapter 6 Radical Functions and Rational Exponents	Chapter 13 Periodic Functions and Trigonometry
Chapter 7 Exponential and Logarithmic Functions	Chapter 14 Trigonometric Identities and Equations

SUPPLIES:

- Your textbook, Algebra 2, copyright 2015 Pearson Education
- Algebra 2 Student Companion
- Algebra 2 Student Workbook
- Graphing Calculator- either a TI-83 Plus or a TI-84 is highly recommended. If you already have a different calculator, let me know.
- Your planner
- 3-ring binder with a lot of loose-leaf paper, OR spiral notebook(s) and a folder
- Pencils- all of your work should be done in pencil unless I tell you otherwise- we all make mistakes!

INSTRUCTIONAL STRATEGIES:

A variety of strategies will be used, including (but not limited to) group work, individual work, teacher-led activities, and problem-based activities. Technology will be used throughout the course.

GRADING AND ASSESSMENTS:

1. **Tests:** Tests will always be announced in advance. Tests are designed to be completed in a single period, and no additional time will be given. Chapter tests may be retaken. Your final test score will be calculated by taking 2/3 of your retake score and adding 1/3 of your original score. Take the tests seriously and do a good job the first time! Each test will be worth 100 points. In order to retake a test, you must complete a test reflection and work to show that you have practiced what you did not understand the first time.
2. **Quizzes:** These may be announced or unannounced. They are also to be completed in the allotted time.
3. **Homework:** Homework will be assigned most days. At times homework may be collected or graded. Students are expected to check their answers and ask questions as needed. Homework will be accepted for partial credit until the day of the test.

4. **Homework Learning Checks (HLC):** Problems similar to recent homework assignments will be selected to assess your understanding of current material. All work must be shown
5. **Other assessments:** Other assignments or projects will be assigned throughout the year. Information will be given at the time the assignment is made.
6. **Semester Exam:** Exams will be given during exam days during each semester, and will be worth approximately 15% of your semester grade.
7. **Extra Credit** - I may make small amounts of extra credit available at various times during the year - but don't count on it. When extra credit is assigned a due date, *none will be accepted late.*

Grading Scale: The DCSD grading scale will be followed as listed in your student planner

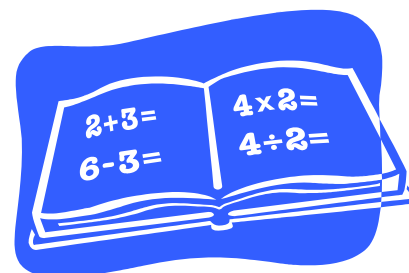
A 93-100	B+ 87 - 89	C+ 77 - 79	D+ 67 - 69
A- 90 - 92	B 83 - 86	C 73 - 76	D 63 - 66
	B- 80 - 82	C- 70 - 72	D- 60-62

CLASSROOM EXPECTATIONS:

Respect school property, others and their property, the right of others to learn, the teacher, and yourself

Additional guidelines:

1. Know the student handbook. If it is in there, it applies in here.
2. Take care of personal business between classes.
3. Be in your seat ready to work when the bell rings.
4. Be respectful of yourself, we are here to support you.
5. Cheating will not be tolerated! If you are found to be cheating on any work for the class, you will receive a zero on that assignment/quiz/test/project. I will also contact your parents and assistant principal.



ABSENCES:

- If you miss class FOR ANY REASON it is your responsibility to get the assignment. Be sure to pick up anything that you may have missed when you were absent.
- If you miss class on a test/quiz day, you will be expected to take the test/quiz on the day you return to school. If you miss the day before a previously announced test/quiz, you will be expected to take the test/quiz with the rest of your class. If you miss more than one day I will work with you to make other arrangements.
- Problems with absences (excused or unexcused) or tardies will be handled according to the Senior High School attendance policy.
- If you know in advance that you will be missing class see me to get any handouts or assignments before your absence. You are responsible for the learning that you miss.

RESOURCES: GETTING HELP

Working together is strongly encouraged. (Copying is not.) You will find that you can learn a lot from each other. If you are having trouble with Algebra 2 you need to get help IMMEDIATELY. Remember I am here to help you if you want to be helped. Feel free to see me if any problems arise or you need any extra help. Also the Math Lab is available in Room A307 for you to get extra help. Friday Academic Support Time (FAST) has tutors available Friday mornings. Resources to help with our Algebra 2 textbook can be found at _____

COMMUNICATION:

The best way to contact me with any questions or concerns is email. I update Powerschool after every test or quiz we take within a day or two of everyone completing the assessment. It is a great way to keep track of your grade. I will post daily assignments on both Twitter and my website. These are good resources to use if you are absent!