

**Algebra 2**  
**ALGEBRA 2 COURSE SYLLABUS**  
**2017-2018**

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**Teacher: Mr. Dwane Turner**

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**Tutoring Times: Wednesday after school, 3:10-4:00 PM or by appointment**

Geometry consists of the study of geometric figures of zero, one, two and three dimensions. Students study properties and relationships having to do with size, shape, location, direction, and orientation of these figures and they use geometric thinking to understand mathematical concepts and the relationships among them. Opportunities will be provided for students to use geometric ideas, relationships, and properties to solve problems.

**Student Expectations:**

- Be on time to class, bring all your supplies, and prepared to learn.
- Respect the teacher, the classroom, other students, and yourself.
- Be responsible for your own learning. Stay on task. Participate and stay engaged in class.
- Always turn in homework. Show all your work!
- All personal electronics should be put away unless permission is given by teacher for use.
- Abide by **ALL** Duncanville High School Rules and Policies.

**Materials Needed** – Students are expected to bring the following materials to class each class day:

- Mechanical pencils (recommended) or standard #2 wooden pencils,
- Spiral notebook or composition book (For journal entries only)
- Loose-leaf notebook paper (Required for all assignments)
- Graph paper
- Ruler, and Colored pencils.
- 10 3-Prong Folders w/Pockets (to keep all handouts given in class, notes taken, etc.)

**Grading:**

<b>Formative Assessments</b> Class participation / Class discussions, Lesson practice (Classwork), Homework, Independent work, Group work, Warm up, Exit ticket, Note/Folder Check and Online work	<b>60 %</b>
<b>Summative Assessments</b> Unit tests (Exams), Quizzes, District assessments, Performance assessments, Presentations and Projects	<b>40%</b>

## FAQ's

- What's the purpose of learning algebra?

The primary purpose of learning algebra is to become more mathematically competent in both your personal life and your job.

- When will I ever use it?

It's possible that you may use none of it, some of it, or a lot of it depending on what your career is. The people who use it the most are probably in some type of engineering field, and right now many of the highest starting salaries in the U.S. are in engineering. However, those in fields such as medicine, business, science, and education may all use some algebra at times. Lawyers, artists, entertainers, and writers will not use it much at all except maybe in their personal finances (income tax calculations, home mortgages, investments, etc.)

- Is this class "hard"?

This class is definitely not "easy", but I prefer to say that it is "challenging". You will have to do some very serious thinking about algebraic concepts and you will need to complete all assignments in a timely fashion. The people who fail this class are usually those who don't come to class and/or don't do the work.

- What about "late work"?

If I don't pay my taxes on time, there's a penalty. If you don't turn in your assignment on time there is also a penalty. If it's one block late, the maximum grade is a 70. If it's two blocks late, the maximum grade is a 60. If it's three or more blocks late, the maximum grade is a 50. The only exceptions to this are when you have been absent. You get one extra block to turn it in for each time you have been absent.

- What if I need tutoring?

I will have tutoring after school from 3:10 p.m. until 4:10 p.m. on Wednesday, Thursday, and Friday afternoons. You will need to get a tutoring pass from me in order to be allowed to come to my room for tutoring. If you need help, please do not hesitate to come. If you need help on a Monday or Tuesday, other algebra 2 teachers will be available.

- If I make a low grade, can I redo the assignment/quiz/test?

Yes, if you so request. However, the maximum grade on your redone work will be a 70.

## Algebra 2 Unit Topics

<b>First Nine Weeks</b>	Unit 1: Introduction to Functions Unit 2: Absolute Value Functions, Equations, and Inequalities Unit 3: Systems of Linear Equations and Inequalities
<b>Second Nine Weeks</b>	Unit 4: Expressions, Factoring, and Equations with Rational Exponents Unit 5: Quadratic Relations, Equations, and Inequalities Unit 6A: Square Root Functions and Equations
<b>Third Nine Weeks</b>	Unit 6B: Square Root Functions and Equations Unit 7: Cubic and Cube Root Functions and Equations Unit 8: Rational Functions and Equations
<b>Fourth Nine Weeks</b>	Unit 9: Exponential Functions and Equations Unit 10: Exponential and Logarithmic Functions and Equations Unit 11: Linear, Quadratic, and Exponential Models