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**DESCRIPTION:** Algebra 2 is a two semester course. Topics include Unit 1: Functions. Unit 2: Quadratic functions, equations, and relations. Unit 3: Polynomial functions, expressions, and equations. Unit 4: Rational expressions.

**GRADES:** Your grades will be earned based on the following:

 Assignments (Includes in class work, projects, problem sets, and exit tickets): 25%

 Assessments (Quizzes/Tests/Final): 75%

Scale: A: 90 – 100% B: 80 – 89% C: 70 – 79% D: 60 – 69% F: 00 – 59%

**ASSESSMENTS (QUIZZES/TESTS/FINAL):** Calculators are allowed. You will be allowed to use one notecard (4x6 on unit tests. This must be hand written, and turned in with your assessment. Photo copies will not be allowed. There will be no corrections or retakes. Instead, twice a semester you will be given an opportunity to take a multiple choice assessment after school on a given date to earn back some points.

**RESOURCES:** Students will not have a textbook checked out to them. We will be using the Algebra 2 textbook from Houghton, Mifflin, and Harcourt. There will be 30 student textbooks available in the library for student checkout if you feel like you need a book.

Instead of a textbook, students will be creating their own textbook over the course of the school year using a variety of resources. They will be expected to complete all their warm-ups in a notebook. The notebook might also be a place for written notes, example problems, foldables, interactive study tools, and anything else students may want to reference later. Many of the notes we take will be done on handouts that will be provided for the students. In this classroom, math is learned by doing, not by watching.

**SUPPLIES/CALCULATORS:** I expect you to bring your **math notebook,** completed assignments, a calculator and a pencil to class every day. I also ask that you buy some dry erase markers. All other necessary supplies will be supplied by the teacher. However, students may wish to have access to the following supplies of their own:

* Colored Pencils or Colored Markers
* Highlighters
* Glue Sticks or Tape
* Scissors
* Notebook Paper or Graph Paper

Calculator Recommendations: Texas Instrument TI-84

**IN THIS CLASSROOM:**

1. Be in your seat and working on assigned warm-up when the tardy bell rings.
2. Bring all books and materials to class and take them with you when you leave.
3. Follow directions the first time they are given.
4. Treat each person in the room with dignity and respect.
5. Follow all procedures and policies as outlined in the South Albany High School handbook.
6. Everyone does everything.

If students fail to follow the classroom guidelines, they will be given an “Infraction Notice” which will result in a conference with the teacher after class. On the second offense, they will need to serve 15 minutes of *their own time* (lunch, before school, after school, etc.). A third offense will result in the student having to fill out a “My Action Plan” form and parental contact. The fourth and final offense will result in a disciplinary referral.

**CELL PHONES:** Cell phones should be put away at all times, unless otherwise specified by the teacher. There may be some activities in this classroom where you will be allowed to use your phone, but at all other times they should be stored in your bag or pocket. *All earbuds should be out during instructional time*. You will be given opportunities to listen to music given teacher permission. The first offense will be a warning. On the second offense, your phone will be confiscated and kept in my desk until the end of the period. If you refuse to cooperate at any point, it will be considered defiance and you will be referred to the office.

**ASSIGNMENTS:** Math is a subject that requires practice and effort to learn. Learning requires action on the part of the student. Assignments will be awarded credit in consideration of the Oregon Standards for Mathematical Practice:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Assignments will be scored using the rubric below:

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| 5 | Exemplary | * Detailed work which supports the answer is shown.
* All diagrams and graphs are drawn.
* There are explanations for incomplete problems.
* Easy to follow.
* Randomly selected answers are accurate.
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| 4 | Proficient | * There are few if any missing problems.
* Not all diagrams and graphs are drawn.
* Work is shown for some but not all answers.
* Easy to follow.
* Randomly selected answers are mostly accurate.
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| 3 | Developing | * A significant number of problems are missing.
* Few if any diagrams and graphs are drawn.
* There are answers but not a lot of work is shown.
* Challenging to follow.
* Randomly selected answers are mostly accurate.
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| 2 | Insufficient | * Most of the problems are not done.
* Few if any diagrams and graphs are drawn.
* There is a list of answers with no work shown.
* Difficult to follow.
* Randomly selected answers are mostly inaccurate.
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|  | Unacceptable | * Work does not meet the minimum standards.
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| Z | Missing | * Assignment has not been submitted for credit.
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