



# Reynolds High School

## Algebra 2

*Building Relationships for Academic Success*

**Instructor: Clair Thiel**

**Phone: 503-667-3186 (ext. 1136)**

**Room Number: 704**

**Email Address: [cthiel@rsd7.net](mailto:cthiel@rsd7.net)**

### Required Textbooks/Materials –

- Spiral Notebook & Writing Utensils
- Math Section in 3 Ring Binder
- Algebra 2 Textbook will be linked on Schoology, but they are available for checkout in the library.
  - I'll let you know when you will need a book!
- Participation on technology when assigned

### Course Description –

This class will build on the algebra learned in Algebra 1 and allow you to extend your knowledge towards more sophisticated ways of thinking mathematically. This course has been required by many 4-year universities to be considered for enrollment, but Oregon has recently removed this requirement. If you are thinking about applying to a 4-year university, check what their requirements are for your third year math option and what kind of grade you need to get in this class!

### Course Requirements –

As an Algebra 2 student, you are responsible for:

#### 1) Attending class

- a. Communicating with Ms. Thiel when you're gone to get caught up on missing assignments and lessons
- b. Everything we do will be in OneNote or Schoology, so you have access to all our notes. If you're gone, you can check OneNote/Schoology using your phone outside of class or your school assigned computer and come to class prepared with the notes you missed.

#### 2) Trying hard when you're in class

- a. Take notes with Ms. Thiel during class & attempt all practice sets.
  - ☆ Keep your spiral organized, so you can find everything!
- b. Active engagement in the class activities is the key to quality learning
- c. Keeping your phone away and out of your learning space
- d. Take all assessments

#### 3) Ask for help when you get stuck

- a. If you don't understand the material being taught, it is the student's responsibility to ask their teacher for help BEFORE they are assessed.
- b. Making appointments with Ms. Thiel at lunch or after school is suggested.
- c. Attending Raider 2 Raider after school is always an option, Monday through Thursday from 4:00pm – 6:00pm. There are activity busses that can take you home, one leaves at 5:00 pm and the other leaves at 6:00 pm. You will need to complete a SUN form to attend regularly.

### Grading Policy Description –

| <u><b>Mastery</b></u>                      | <u><b>Classwork</b></u>     | <u><b>"Homework"</b></u> |
|--|-----------------------------|--------------------------|
| 75%  | 15%                         | 10%                      |
| Leveled Unit Tests<br>Projects (SMP Tasks) | Quizzes<br>Feedback Journal | Unit Progress Trackers   |

I will have your grades updated about every two weeks, you can always check your grades on StudentVue.

## Letter Grade Description & Percentage Breakdown –

| <u>Grade Percentage</u> | <u>Letter Grade</u> | <u>Description</u>  |
|-------------------------|---------------------|---|
| <b>95%</b>              | <b>A</b>            | The student fully understands the content and the course objectives have been mastered.   |
| <b>85%</b>              | <b>B</b>            | The student understands the content and course objectives at an above average level.  |
| <b>75%</b>              | <b>C</b>            | The student understands the course content and course objectives at an average level.   |
| <b>65%</b>              | <b>D</b>            | The student does not understand the course content and a minimum of course objectives are met.  |
| <b>50%</b>              | <b>F</b>            | The student has not met a sufficient number of course objectives to pass a minimum level and receives no credit.                                |
| <b>0%</b>               | <b>N</b>            | The student has not completed work of any kind during class. An N will only show up in the gradebook. This is not a type of final course grade. |

## Late Work/Retake Policy –

| <b>Late Homework</b>  | <b>Assessment Retakes</b>   |
|---|---|
| <p>All homework will be part of each student's spiral notebook and for their use of practice on each skill. Assignments that are turned in for a grade can be turned in when it is done.</p> <p>All progress trackers and feedback journals for each quarter can be turned in up until the last day of the quarter it had been done within.</p> | <p>All tests are available for a retake after you complete a test revision exploration, which will ask you to correct your mistakes and reflect on your errors/misconceptions. After your revisions are complete, you may be asked to retake the test if you and Ms. Thiel deem it necessary.</p> <p>All revisions and retakes must be completed for the assessments in each quarter. For example, no revisions or retakes for tests taken in 1<sup>st</sup> Quarter will be available after the quarter is over.</p> |

## Course Schedule/Outline of Units –

| <b><u>Semester 1</u></b>   | <b><u>Semester 2</u></b>   |
|--|--|
| Unit 1: Linear & Absolute Value Functions<br><br>Unit 2: Graphing Quadratic Functions<br><br>Unit 3: Solving Quadratic Equations (& Complex Numbers)<br><br>Unit 4: Polynomial Functions | Unit 5: Rational Exponents & Radical Functions<br><br>Unit 6: Exponential & Logarithmic Functions<br><br>Unit 7: Rational Functions<br><br>Unit 8: Mathematical Modeling |

## Class Expectations –

- All students must follow the POWER expectations of being:
  - Prepared & Punctual
  - Organized
  - Writers
  - Engaged
  - Respectful