



# Reynolds High School

## Algebra 2

*Building relationships for academic success*

Ms. Eleanor Maddock (she / her) Room 708		(503) 667 – 3186 (ext. 1032) <a href="mailto:emaddock@rsd7.net">emaddock@rsd7.net</a>	
Course Description			
This is a full year math course focused on the graphical, numeric, and symbolic representation of functions. This will include compositions, inverses, and transformations. We will work with quadratic, polynomial, rational, radical, exponential, and logarithmic equations. Successful completion of this course will prepare students for Pre-Calculus. All topics come from the current Oregon State Standards.			
Student Responsibilities		Required Materials	
<div>→ Attend class</div> <div>→ Take notes</div> <div>→ Participate in activities</div> <div>→ Engage in the work of learning</div> <div>→ Ask for help <i>before</i> mastery assignments</div> <div>→ Utilize Schoology every day to stay on track</div>		<div>→ Notebook</div> <div>→ Pencil or pen</div> <div>→ Chromebook</div> <div>→ Textbook (eBook in Schoology, text in library)</div> <div>→ Calculator (I have TI-30XIIS for use during class; you can also borrow from the library)</div>	
Course Schedule <i>(subject to change as needed)</i>			
<u>Semester 1</u> Unit 1: Linear Functions Unit 2: Quadratic Functions Unit 3: Quadratic Equations Unit 4: Polynomial Equations (part 1)		<u>Semester 2</u> Unit 4: Polynomial Equations (part 2) Unit 5: Rational Exponents & Radical Functions Unit 6: Exponential & Logarithmic Functions Unit 7: Rational Functions	
Grading			
Grades are based on <i>learning activities</i> and <i>mastery assignments</i> .			
<div>▪ <b>Learning:</b> 20% of final grade, all daily activities and any written assignments; for example, homework, quizzes, cooperative assignments, group work, skills practice, problem sets.</div> <div>▪ <b>Mastery:</b> 80% of final grade; this includes unit tests, projects, and semester exams.</div>			
Credit	Score	Grade	
Pass	90 – 100%	A	The student demonstrated full mastery of all course content, and all course objectives have been met.
	80 – 89.9%	B	The student demonstrated mastery of most of the course content, and most course objectives have been met.
	70 – 79.9%	C	The student demonstrated understanding of most of the course content, and sufficient course objectives have been met.
	60 – 69.9%	D	The student demonstrated a basic understanding of some of the course content, and a minimum of course objectives have been met.
Fail	0 – 59.9%	F	The student did not demonstrate a basic understanding of content or has not met enough course objectives; the student does not receive credit.

### Mathematical Practice Standards

- *Make sense of problems and persevere in solving them.*
- *Reason abstractly and quantitatively.*
- *Construct viable arguments and critique the reasoning of others.*
- *Model with mathematics.*
- *Use appropriate tools strategically.*
- *Attend to precision.*
- *Look for and make use of structure*
- *Look for and express regularity in repeated reasoning.*

### Ms. Maddock's Policies

- Ms. Maddock is usually available for extra help after school Monday – Wednesday until 5:00pm.
- Extra help is also available at Raider 2 Raider, Monday – Thursday 4:00pm – 6:00pm; you can get home on the activity busses that leave school at 5:00pm and 6:00pm; you will need to complete a SUN form to attend regularly.
- If you are not satisfied with a test grade, you can have one retake opportunity after you have completed a test revision. Revisions and retakes must be done **before the end of the quarter**. For example, retakes for units 1 and 2 are due before November 7<sup>th</sup>. Retakes must be done before or after school, not during class.
- Learning tasks are due *before the test*; they cannot be turned in late, revised, or regraded.
- You may have **water** with you at your desk (no other beverages or possible spills).
- **NO** food in this room. Finish snacks out in the hall. Food attracts mice!!
- **NO** perfumes in this room please.



### Cell Phone Policy – Off and Away

All students are required to keep all personal electronic devices – including cell phones, smartwatches, and wired / wireless earbuds or headphones – powered off and stored away for the entire school day. This includes during class time, passing periods, and lunch / breaks.

### POWER Expectations

<b>P</b>	Prepared & Punctual	Bring your notebook, pencil, and Chromebook to class every day.
<b>O</b>	Organized	Use your notebook and planner to keep track of due dates.
<b>W</b>	Writers	Think critically and write responses in full sentences.
<b>E</b>	Engaged	Listen, ask questions, and participate individually and collaboratively.
<b>R</b>	Respectful	Be kind to yourself, everyone else, and our entire community.

Print student name: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Date: \_\_\_\_\_