Reynolds High School

Building relationships for academic success

Ms. Eleanor Maddock (she / her) emaddock@rsd7.net Room 708	**Fundamentals of College Math** Fall 2024

Course Description

This course is designed to introduce students to advanced algebra concepts, such as linear and nonlinear functions, in preparation for Algebra 2 or College Algebra (MTH 95). The course begins with a review of prerequisite Algebra skills. Other topics include absolute value equations, inequalities, systems of equations, quadratic equations, exponential growth and decay.

This is a 3rd-year math class. Students must have already taken Algebra 1 and both semesters of Geometry/Statistics, or equivalent courses.

Required Materials

RHS student planner	Notebook	Calculator (TI-30x recommended)
Schoology (check daily)	Binder (lots of handouts)	Pen / pencil

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.*

Course Schedule

Unit 1: Proportional and Linear Relationships	Unit 6: Solving Systems of Equations
Unit 2: Equations and Problem-Solving	Unit 7: Graphing Quadratic Functions
Unit 3: Algebraic Expressions	Unit 8: Solving Quadratic Equations
Unit 4: Inequalities and Absolute Value	Unit 9: Exponential Growth and Decay
Unit 5: Graphs and Functions	Unit 10: Financial Applications

POWER Expectations

Prepared – Bring notebook, learning log and pencil to class every day.

Organized – Use your learning log and planner to keep track of upcoming due dates.

Writing – Write in complete sentences and think critically about your responses.

Engaged – Listen, ask questions, participate in individual and collaborative activities.

Respect – Be kind to yourself, your classmates, your teacher, and our classroom.

Gradebook

Grades are based on *learning activities* and *mastery assignments*.

- **Learning**
  - **35%** of final grade
  - All daily activities such as speaking, taking notes, quizzes, group work, individual assignments, skills practice, and tasks.
- **Mastery**
  - **65%** of final grade
  - Tests, projects, and exams

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 full 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.

Ms. Maddock's Policies

- You may use your notebook on tests; you may not use any handouts, worksheets, or anyone else's notes.
- If you are not happy with your grade on a *test* (mastery), you can retake the test <u>once</u> any time before January 10th.
- Learning tasks are due *before test day*; they cannot be turned in after the test or regraded.
- If you are absent on the day of a test, you must take the test as soon as you return to school.
- You can have bottled water at your desk.
- All other drinks must be left on the desks at the back of the room.
- Do not bring food into this room. No. Nope. Nuh uh.
- Do not spray perfumes in this room.

Student Signature _____   Date_____

Parent Signature _____