

ALGEBRA I

2021-2022

Instructor: Briana Toelke	Period: 2
Email: toelbr@wwva.org	Room: 412

Course Description: This course will build on the foundations you built in Prealgebra. You will learn to solve and graph equations and systems of equations, use mathematical models to solve word and number problems, add and subtract polynomials and more, all in a logical progression that builds on prior learning.

Course Pages and Resources:

1. Google Classroom: <https://classroom.google.com>
Course Code: 5n5wbx4
2. MathXL: <https://mathxlforschool.com>
Course ID: XL0A-V1MN-901Y-6TM3
3. Textbook: <https://openstax.org/details/books/elementary-algebra-2e>

Office Hours: Monday-Thursday from 3:30-4:30pm. (These times are subject to change due to school events/activities, etc...)

Grading Policy:

Homework	20%
Quizzes	40%
Exams and Projects	40%
Total	100%

1. Homework

Daily homework assignments will be posted on Google Classroom. They will usually, but not always, be MathXL assignments. Please check both the Google Classroom and the MathXL page for this class each school day to ensure that you do not miss an assignment or announcement. If you earn less than 100% on any homework assignment, you may re-attempt the assignment for a better score. **Please don't just guess until you get the answers correct!** Make sure you know how to find each solution so you can do well on the quizzes and exams.

2. Quizzes

There will be a quiz about once a week, most likely on Mondays. I will announce the quiz at least a day ahead of time on Google Classroom. The quiz questions will always be taken from previously assigned homework, so if you understand how to do the homework, you will do well on the quizzes. Quizzes will be graded using the following 4-point scale:

4	Perfect
3	Mostly correct
2	You made several errors but you seem to have the right idea
1	You wrote something related but it is far from correct
0	You did not attempt to answer or what you wrote is completely unrelated to the question

If you get a less-than-perfect score on any quiz *and* have at least a 90% average on your homework, you may request a re-take. Re-takes require a commitment from you to study the content and will involve alternate, but similar, problems that were not on the homework.

3. Exams and Projects

Exams will always be announced verbally and on Google Classroom at least one week ahead of the exam date. Exams may include true/false, multiple choice, and short answer questions. Short answer questions will be graded on the same 4-point scale as the quizzes. It is *very unlikely* that I will allow re-takes of exams, so do your due diligence to prepare for them. While I do not have any projects planned, if I decide to do a project it will be in the place of an exam and graded as such.

Class Policies:

- Regular attendance is essential and expected.
- Please refrain from using your cell phone in class.
- Respect those around you, both physically and audibly.

Academic Integrity: Please review the cheating policy on page 15 of the WWVA Student Handbook. I encourage collaboration with a classmate on the homework assignments *if that is helpful to you*. However, do not merely copy another student's answers. Make sure you understand the content. If you do not understand how to get the answer, please come talk to me during the office hour. Collaborating with, or copying from, another student on quizzes or exams will not be tolerated.

Tentative Course Outline:

1. Algebra Foundations
2. Solving Linear Equations and Inequalities
3. Math Models
4. Graphs
5. Systems of Linear Equations
6. Polynomials
7. Factoring
8. Rational Expressions and Equations
9. Roots and Radicals
10. Quadratic Equations