

Algebra 1 CP

Wall High School
2025-2026

Teachers: Ms. DiMezza

Email: mdimezza@wallpublicschools.org

Location: C-18

Extra Help: Ms. DiMezza B days at Lunch Room C-19

Procedures:

- **Be on time and prepared** – Bring your notebook, pencil, and calculator every day.
- **Start the Do Now right away** – Check the board and get going as soon as you sit down.
- **Ask questions and participate** – Share your thinking, even if you're unsure. Mistakes help us learn.
- **Work respectfully in groups** – Listen to peers, use math language, and contribute to the team.
- **Take responsibility for your learning** – Remember my door is always open for extra help during lunch or after school, just talk or email me about setting up a time!

Marking Period Schedule:

Marking Period 1 9/4/2025 - 11/5/2025	Marking Period 3 1/27/2026 - 3/31/2026
Marking Period 2 11/10/2025 - 1/16/2026	Marking Period 4 4/1/2026 - 6/10/2026
Midterm Exams 1/20/2026 - 1/26/2026	Final Exams 6/11/2026 - 6/18/2026

Course Description:

This course is a systematic investigation of the properties of the real number system. It emphasizes the basic concepts and language of sets, operations with polynomials, solving equations, solving and graphing linear and quadratic equations, and properties of exponents and radicals. It integrates the elements of algebra with technology, problem solving, application and mathematical modeling. Through the Mathematical Practice Standards students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Units of Study:

Unit 1: Expressions
Unit 2: Equations in One Variable
Unit 3: Relations and Functions
Unit 4: Linear and Nonlinear Functions
Unit 5: Creating Linear Equations
Unit 6: Linear Inequalities
Unit 7: Systems of Linear Equations and Inequalities
Unit 8: Exponents and Roots
Unit 9: Polynomials
Unit 10: Quadratic Functions
Unit 11: Exponential Functions
Unit 12: Statistics

Classroom Expectations:

In this Algebra 1 College Prep class, students are expected to come prepared, be on time, and participate actively in learning. Respect for the teacher, classmates, and classroom environment is essential. Students should complete assignments on time, ask questions when they need help, and stay organized. Academic honesty is expected at all times. Phones and other distractions should be put away. A positive attitude and consistent effort are key to success in this course.

Materials & Available Resources :

Students in this Algebra 1 College Prep course will use a variety of materials and resources to support their learning:

- **Reveal Math Textbook (McGraw-Hill):** This is the primary curriculum resource, offering clear explanations, guided practice, and problem-solving opportunities aligned with course standards.
- **DeltaMath:** An online platform used for skills practice, homework, and review. It provides instant feedback and allows students to improve through repeated

practice.

- **ALEKS (Assessment and Learning in Knowledge Spaces):** A personalized learning program that assesses each student's current understanding and creates a customized path to fill in knowledge gaps and advance their learning.

Additional materials may include:

- A notebook or binder for notes and assignments
- A graphing calculator (provided in class)
- Pencils, erasers, and other basic supplies
- Graph paper and rulers for certain units (provided in class)

These tools work together to support a deep understanding of algebraic concepts and help students build the skills necessary for future math courses.

Grading Breakdown

Each quarter grade is based on a percentage model; the following grading formulas have been established.

Marking Period Category Percentages

Category	Percentage
Major Assessments	40%
Minor Assessments	40%
Homework/Classwork	20%

Course Grading

Category	Percentage
Marking Period 1	20%

Marking Period 2	20%
Midterm Exam	10%
Marking Period 3	20%
Marking Period 4	20%
Final Exam	10%

Marking Period 1*

Big Ideas	Topics/Themes/Concepts	Activities & Assessments	Timeline (Estimated Number of Class Periods)
Unit 1: Expressions	Understand how to write, interpret, simplify and evaluate algebraic expressions.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	12 classes
Unit 2: Equations in One Variable	Learn how to solve linear equations involving a single variable using logical and systematic steps.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	13 classes
Unit 3: Relations and Functions	How to represent, interpret, and analyze relationships between variables using various mathematical models.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	13 classes

**Subject to revision*

Marking Period 2*

Big Ideas	Topics/Themes/Concepts	Activities & Assessments	Timeline (Estimated Number of Class Periods)
Unit 4: Linear and	Learn to identify, compare	ALEKS, Delta Math,	13 classes

Nonlinear Functions	and analyze different types of functions based on their characteristics.	Reveal Program Practice, Quizzes & Unit Assessment	
Unit 5: Creating Linear Equations	Learn how to write linear equations that model relationships between quantities.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	10 classes
Unit 6: Linear Inequalities	How to solve, graph, and interpret linear inequalities in one and two variables.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	10 classes

**Subject to revision*

Midterm Exams: January 20 - January 26

Marking Period 3*

Big Ideas	Topics/Themes/Concepts	Activities & Assessments	Timeline (Estimated Number of Class Periods)
Unit 7: Systems of Linear Equations and Inequalities	Learn how to analyze and solve systems involving two or more linear equations or inequalities.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	10 classes
Unit 8: Exponents and Roots	Understand the properties of exponents and the relationship between exponents and roots.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	8 classes
Unit 9: Polynomials	Understand, simplify, and factor polynomial expressions.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	13 classes

**Subject to revision*

Marking Period 4*

Big Ideas	Topics/Themes/Concepts	Activities &	Timeline
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		Assessments	(Estimated Number of Class Periods)
Unit 10: Quadratic Functions	Analyze, graph, and solve quadratic functions and equations.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	12 classes
Unit 11: Exponential Functions	Understand, represent, and analyze functions where growth or decay occurs at a constant percentage rate.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	11 classes
Unit 12: Statistics	Learn how to collect, analyze, and interpret data effectively.	ALEKS, Delta Math, Reveal Program Practice, Quizzes & Unit Assessment	8 classes

**Subject to revision*

Final Exams: June 11 - June 18

Make-up Work as per Student Handbook

- Students who are absent from class for any reason will be required to make up the work missed in each class. Completion of this work should take approximately the same amount of time as the student missed from class. In extreme cases of prolonged absence (more than five consecutive days), the Principal may grant extra time for the students to complete missing assignments. Students will receive an incomplete grade pending the submission of the missing assignments. Students will receive a zero for any work that is not completed by the designated timeline.
- It is the student's responsibility to obtain all make-up work from his/her teachers immediately upon return to school. Failure to obtain makeup work is no excuse for not completing work missed. Students have the same amount of time that they have been absent to make up the work.

Academic Integrity Policy as per Student Handbook

Plagiarism Policy

- **Freshmen:** On the first offense, the student may rewrite for a maximum grade of 55. The rewrite should be closely monitored by the teacher because, on the freshman level, we are concerned with students' understanding of the process. On

the second offense, the student receives a 0 grade for the final product. (Students' offenses will be filed in the supervisor's office.)

- **Sophomores, Juniors, and Seniors:** If the teacher finds that the plagiarism is flagrant or pervasive and can document the same, the assessment may receive a grade of zero.

Cheating

Students are expected to conduct themselves honestly and with integrity in their work. All forms of cheating and plagiarism are prohibited. Behavior that is unacceptable includes, but is not limited to, the following:

- Copying another student's work;
- Working with others on projects that are meant to be done individually.
- Looking at or copying another student's test or quiz answers;
- Allowing another student to look at or copy answers from one's test or quiz;
- Using any other method (ie, "cheat sheets", communicating in any form) to get/give test or quiz answers;
- Taking a test or quiz in part or in whole to use or to give to others;
- Copying information from a source without giving proper acknowledgment.
- Taking papers from other students, publications, or internet sources and claiming them as one's own work;
- Academic dishonesty in any other form, including, but not limited to, tampering with computerized grade records;
- Giving or receiving answers and/or test questions to or from another student.

Violators of this policy will be disciplined on a case-by-case basis, depending on the seriousness of the violation, prior violations and other factors.

Disciplinary measures/consequences may include, but are not limited to the following:

- Redoing the assignment (see policy on plagiarism).
- Receiving a zero grade on the project, test, or quiz;
- A letter is sent to the parent and placed in the student's file.
- Detention, suspension, or expulsion.

AI Policy and Regulation

[2365 ACCEPTABLE USE OF GENERATIVE ARTIFICIAL INTELLIGENCE \(AI\)](#)

[R 2365 ACCEPTABLE USE OF GENERATIVE ARTIFICIAL INTELLIGENCE \(AI\)](#)