Algebra 1 CP
Wall High School
2024-2025

Teacher: Mrs. Blasich   **email: jblasich@wallpublicschools.org**

Extra Help Schedule, Location, and Procedures

- Don't be afraid to ask for help. In my experience, seeking help as soon as you feel you need clarification is the best way to remain successful in class.
- Feel free to ask as many questions as you need and seek as much practice on skills as you would like. Learning requires active participation and I am here to help facilitate that endeavor.
- My door is always open, so even if it is not my extra help hours, feel free to stop in and ask your questions. The only thing I ask is that you come prepared with questions and skills you would like to review.
- If you are working at home and have a question, feel free to email me the question. I aim to be as responsive as I possibly can to email and I can address your question as soon as possible.
- Please do not wait until the day before an assessment to come to extra help. A unit can be over four weeks so to think we can cover it all in one day is not realistic.
- Upon being absent, it is your responsibility to determine if you need help with the material you missed. If you do need assistance then please come to extra help only after you have obtained all materials missed and tried to read through them and understand the information first. The time allotted for extra help does not allow me to reteach the lessons in its entirety.
- Take a deep breath and always know I am here to help you be successful

Marking Period Schedule

Marking Period 1 9/6/2024 - 11/7/2024	**Marking Period 3** 1/29/2025 - 3/28/2025
Marking Period 2 11/8/2024 - 1/19/2025	**Marking Period 4** 3/29/2025 - 6/6/2025
Midterm Exams 1/22/2025 - 1/26/2025	**Final Exams** 6/7/2025 - 6/14/2025

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.

Units of Study: Unit 1: Expressions, Equations and Inequalities

Unit 2: Functions and Linear Functions

Unit 3: Systems of Linear Equations and Inequalities

Unit 4: Exponential

Unit 5: Radicals

Unit 6: Quadratic Equations and Functions

Unit 7: Comparing Functions

Unit 8: Statistics

Classroom Expectations:

Classroom Norms:
- Cell phones must be kept in the pockets on the side of the classroom.
- Be respectful and supportive of everyone.
- Actively participate in class activities.
- Be prepared. (binder, good attitude, writing utensil, calculator)
- Behave in accordance with the rules of the school.
- Seek out extra help when you need it.

Learning Norms:
- **We value learning over knowing**: True learning is not about speed, memorizing procedures, or "getting done"; it is about ideas, creativity, and sense-making.
- **Collaboration moves our thinking forward**: We listen to and value each other's ideas, ask questions, push for reasons, and are open to revising our thinking.
- **We are aware of when to step up and step back**: We share our ideas and make space for others to share theirs.

Group Norms:
- **No quitting**: Challenge is normal. We can get stuck and then get ourselves unstuck.
- **No loners**: Everyone participates. No one is done until everyone is done.
- **No spoilers**: Find out what others think and don't rush to the answer. Help others do things for themselves.

Materials & Available Resources
- Google Classroom
- Khan Academy
- Math IXL
- Delta Math
- Desmos

Materials Required:
- Writing utensils (pens, pencils, highlighters, etc.)
- 3-ring binder
- *Calculator will be provided in class*

Available Resources
- Knights for Success after school program
  - If interested, reach out to Danielle Lucas: dlucas@wallpublicsschools.org
- Google Classroom:
- Extra Help:

Grading Breakdown

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

Marking Period Category Percentages

Category	Minimum Number	Percentage
Major Assessments	2	40%
Minor Assessments	6	40%
Homework/Classwork	10	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 (Number of Blocks)
Pre-Unit: Review of Pre-Algebra Skills	**Real Number Vocab**	**Small groups, Kahoot, Classification Coloring Activity** **Pre-Assessment**	1 September 7-8 1 September 11-12

Unit 1 Part 1: Expressions, Equations & Inequalities	Order of Operations & Simplifying Expressions	Small groups, Delta Math, Communicators	1 September 13-14
		Quiz Real # System, Order of Operations, Simplifying Expressions	0.25 September 15-18
	Multi-step equations	Direct Instruction, Create Your Own Activity, Small groups	1 September 19-20
	Solve & Graph MultiStep Inequalities, Review	Direct Instruction, Small group, Delta Math	2 September 21-27
		Quiz Multi-Step Equations & Inequalities	.25 September 28-29
	Literal Equations	Direct Instruction, Partner Practice, Quiz	1.75 September 28-October 5
		Quiz Literal Equations	.25 October 4-5
	Classify & Operations with Polynomials: Adding, Subtracting, Multiplying	Kahoot, Direct Instruction, Shoulder Partners	1.75 October 5-9
		Quiz: Polynomials	.25 October 10-12

	Unit Review	**Small group, Delta Math**	1 October 13–16
Unit Part 1 Assessment	**The real number system** **Simplifying Expressions** **Linear Equations & Inequalities** **Polynomials**	**Unit Assessment**	.5 October 17–18
Unit 1 Part 2: Expressions & Factoring	**Factoring** ● Trinomials a=1 and a>1 ● Greatest Common factor ● Difference of Squares ● Perfect Square Trinomials	**Direct Instruction, Small group, Delta Math**	3 October 19–26
		Quiz Factoring Quadratics	.5
	Factoring ● Grouping ● a ≠ 1	**Direct Instruction, Small group, Delta Math**	2.5 October 27–November 1
	Unit Review	**Task Cards, Small group, Delta Math**	1 November 2–3
Unit 1 Part 2 Assessment	**Factoring**	**Unit Assessment**	.5 November 6–7

Marking Period 2*			
Unit 1 Remediation	Linear Equations Factoring	Spaced Learning, Partner work, communicators	1 November 8-13
Unit 2 Part 1: Domain, Range & Functions	Discrete & Continuous Functions	Direct Instruction, Task Cards, Small Group	1 November 14-15
	Domain & Range	Direct Instruction, Task Cards, Small Group, Communicators	1 November 16-17
	Function Notation	Direct Instruction, Task Cards, Small Group, Math IXL Exit Quiz	1.5 November 20-27 .5 November 22-27
Unit 2 Part 1 Assessment	Functions, Domain & Range	Unit 2 Part 1 Review Unit 2 Part 1 Assessment	1 November 28-29 1 Nov 30 – Dec 1
Quarterly 1	Linear Equations All Types of Factoring Functions, Domain & Range	Quarterly 1 Review Quarterly 1 Assessment	1 December 4-5 .5 December 6-7
Unit 2 Part 2: Linear Functions	Slope Graphing Linear Functions	Direct Instruction, Task Cards, Small Group Direct Instruction, Task Cards, Small Group Exit Quiz	.5 December 6-7 .75 December 8-11 .25 December

	Slope-intercept form, point slope form, standard form	Direct Instruction, Math IXL, Small Group	8-11 2 December 12-15
	Parallel/Perpendicular	Direct Instruction, Task Cards, Small Group	1 December 18-19
	Review & Quiz		1 December 20-21
	Applications	Direct Instruction, Task Cards, Small Group	1 January 3-4
	Mixed Review, Exit Quiz		1 January 5-6
Unit 2 Part 2 Assessment	Graphing Linear Equations	Small Groups, Task Cards, Station Review	1 January 9-10
	Writing Linear Equations in various forms	Unit 2 Part 2 Assessment	1 January 11-12
Midterm Review & Exam	Various assorted topics from Units 1 & 2	Review: Small Group, Task Cards, Delta Math, Math IXL, Stations	2 January 16-19
Marking period 3*			
Remediation & Benchmark	Midterm Remediation & Linkit Benchmark 2	Direct Instruction, Small Group Practice, Linkit! Benchmark Assessment	2 January 21-February 1
Unit 3: Systems of Equations & Inequalities	Solving Systems by Graphing, Substitution & Elimination	Direct Instruction, Small group practice, IXL, Stations, Task Cards	3 February 2-9
	Applications of Linear Systems of Equations	Direct Instruction, Small Group Practice, Task Cards	1 February 12-13

	Linear Inequalities, Systems and applications	Direct Instruction, Small Group Practice, Stations, Communicators	3 February 14–23
Unit 3 Review & Assessment	Unit 3 Review & Assessment	Guided Practice, Small Group Practice, Stations	2 February 26–29
Unit 4 Part 1: Solving Quadratic Equations	Review of Simplifying radicals and factoring	Direct Instruction, Small Group Practice, Stations, Communicators, WSS	1 March 1–4
	Solve quadratics by factoring, square roots, completing the square and quadratic formula	Direct Instruction, Small Group Practice, IXL, Communicators	4 March 5–14
	Mini Quiz & Choosing the best method	Direct Instruction, Small Group Practice	1 March 15–18
Unit 4 Part 1 Review & Assessment	Unit 4 Part 1: Solving Quadratics Review and Assessment	Guided Practice, Small Group Practice Independent Assessment	2 March 19–22
Quarterly 3	Quarterly 3 Review & Assessment	Guided Practice, Small Group Practice Independent Assessment	2 March 25–28
Marking Period 4*			
Unit 4 Part 2: Graphing Quadratics	Zeros, Characteristics, End Behavior	Direct Instruction, Small Group Practice, IXL, Communicators	1 April 9–10
	Graphing in Standard form, vertex form, and transformations	Direct Instruction, Small Group Practice, IXL, Cut & paste	2 April 11–16
	Non-Linear Systems	Direct Instruction, Small Group Practice, Communicators	1 April 17–18
	Quadratic Applications	Direct Instruction, Small Group Practice, IXL, Communicators	1 April 19–22
Unit 4 Part 2: Graphing Quadratics	Unit Review & Assessment	Guided Practice, Small Group Practice	2 April 23–26

		Independent Assessment	

Subject to revision

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.
  - Work from when you were absent can be found in Google Classroom as well as on the back-board in the correct folder assigned to your block.
  - Annotated notes from when you are absent can be found daily on Google Classroom at the end of the day. It is the STUDENTS' RESPONSIBILITY to complete the notes and attend extra help with any questions.

Academic Integrity Policy as per Student Handbook
<u>Plagiarism Policy</u>
- **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 freshmen 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.

<u>Cheating</u>
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 it 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;
- Letter sent to parent and placed in the student's file;
- Detention, suspension or expulsion.