



Algebra - Academic Lab

Period 1

Room: 406

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The purpose of this course is to provide additional support with algebra concepts by pre-teaching and reteaching topics taught within algebra along with individual targeted support.

Colorado Academic Standards Mathematics:

Number Sense, Properties, and Operations

Number sense provides students with a firm foundation in mathematics. Students build a deep understanding of quantity, ways of representing numbers, relationships among numbers, and number systems. Students learn that numbers are governed by properties and understanding these properties leads to fluency with operations.

Patterns, Functions, and Algebraic Structures

Pattern sense gives students a lens with which to understand trends and commonalities. Students recognize and represent mathematical relationships and analyze change. Students learn that the structures of algebra allow complex ideas to be expressed succinctly.

Course Objectives

Students will be able to (SWBAT):

- Demonstrate computational operations involving addition, subtraction, multiplication and division.
- Solve complex number system which include real numbers and imaginary numbers.
- Use quantitative reasoning to make sense of quantities and their relationships in problem situations.
- Use functions to model situations where one quantity determines another and can be represented algebraically, graphically, and using tables.
- Use quantitative relationships in the real world can be modeled and solved using functions.

Classroom Expectations

Polite - Be courteous to others. (**Examples of being Courteous:** Using positive and encouraging statements, listening to your peers and teachers speak, refraining from distracting behaviors, not packing up your materials before the instruction is finished, remain seated until the bell rings, cleaning your work area prior to leaving, etc.)

Participate - Participate in class assignments / activities.

Prompt - Students arriving after the bell rings will be marked **Tardy**. If you are more than 10 minutes late to class, you will be marked Absent. Follow GWHS policies in your Handbook.

Phone Usage - Student Use of Cell Phones and Other Electronic Devices

Acceptable Cell Phone and Electronic Device Use Policy (Greeley West Student Handbook)

1. If a **red magnet** is displayed in the teacher's classroom, once the bell rings to begin class, students must turn off cell phones/electronic devices and stow them properly in a book bag or pocket.

2. During class, if the teacher displays a **green magnet**, students will only use cell phones to complete assignments that are related to the instructional lesson or any other approved activity WITH teacher permission and supervision.

5. Students are not to have headphones in at any point during the day unless it is part of the classroom instruction. When a device is in use in the classroom, students will only use them for educational purposes: Students bringing cellular telephones or electronic devices to school do so at their own risk. Greeley School District

6 GWHS will not assume any liability for any lost, stolen or damaged cellular telephone and/or any other electronic devices either in school or in their possession.

If a student is found to have used a cellular telephone or other electronic device without authorization, the phone or device may be confiscated by an administrator.

What You Need for Class

- Chromebook (Used both at home on your virtual (remote) days and at school.) **Have it with your every day of the week : in school and at home.**
- A spiral notebook or composition notebook
- Pencils
- Graphing/scientific calculator (This could be an online calculator such as Desmos, Geogebra, etc.)
- Scissors, colored pencils, and glue sticks are recommended. However, we will be doing a substantial amount of work electronically using various online tools so these materials are less essential.

Positive Mental Attitude - Willingness to learn, respectful of the learning environment, accepting of the diversity within our class, etc.

Food and Drinks: Students can bring water bottles and drinks (with lids-no cans) to every classroom and will be eating a grab-and-go breakfast and a lunch in classrooms. Students will be permitted to eat in classrooms.

Class Expectations -

Throughout this course you will regularly discuss as a group. This collaboration will allow you to develop new ways of thinking about mathematics, increase your ability to communicate with others about math, and help you strengthen your understanding by having you explain your thinking to someone else. As you work together,

- All work will be posted on Schoology: <https://elearning.greeleyschools.org/>
- You are expected to share your ideas and contribute to the class's work.
- You are expected to ask your classmates questions and to offer help to your classmates. Questions can move your team's thinking forward and help others to understand ideas more clearly.
- Remember that a team that functions well works on the same problem together and discusses the problem while it works.
- Your teacher will stop regularly and verify that everyone on the team agrees with a suggestion or a solution.
- Any at-home or remote work has a due date/time of 10:00 PM of the due date.

Bathroom/Hall Policy - Students must ask permission to use a leave class and then sign out and sign in on the **Digital Bathroom Pass** (Google form). This digital pass will automatically record when you leave and return back to class to insure limited students in the hallways..

Schoology

This is the on-line location where students will access their coursework including assignments, resources, videos, etc. **When you log-in to class you will do so with your video enabled.** You can create a virtual background if you do not wish to have your room onscreen.

Where to Find Your Class Each Day of the Week

If your last name begins with the letters **A-L**, you will be **in** the school building **Mondays and Tuesdays**. The other days of the week you will be joining online from your home by logging into class through the zoom link in schoology. (Link)

If your last name begins with the letters **M-Z** you will be in the school building **Thursdays and Fridays**. The other days of the week you will be joining online from your home by logging into class through the zoom link in [Schoology](#). (Link)

You are required to be in class each day of the week, whether in person or on-line. Exactly how much time you will be logged-in on virtual (on-line) days will vary depending on that day's lesson.

GWHS Bell Schedule: Quarter #1 (Ends October 16th, 2020)

<i>Monday (Cohort A-L)</i>			<i>Tuesday (Cohort A-L)</i>		
Period	Minutes	Time Frame	Period	Minutes	Time Frame
P1	100	8:00-9:40	P1	100	8:00-9:40
P2	90	9:45-11:15	P2	90	9:45-11:15
Homeroom	30+30	11:20-12:20	Homeroom	30+30	11:20-12:20
Lunch A		11:20-11:50	Lunch A		11:20-11:50
Lunch B		11:50-12:20	Lunch B		11:50-12:20
P3	90	12:25-1:55	P3	90	12:25-1:55
P4	90	2:00-3:30	P4	90	2:00-3:30

M-Z Students are Remote Learners on Monday & Tuesday

Wednesday: Remote Learning Day (All Students)		
Period	Minutes	Time Frame
Late Start	Staff Meeting	7:15-7:30
	PLC	7:30-9:00
P1	55	9:00-9:55
P2	55	10:00-10:55
Lunch	35	10:55-11:30
P3	55	11:30-12:25
P4	55	12:30-1:25
Virtual Club Meetings		1:30-2:15
Committee Meetings		2:15-3:00
Virtual Office Hours		3:00-3:45

<i>Thursday (Cohort M-Z)</i>			<i>Friday (Cohort M-Z)</i>		
Period	Minutes	Time Frame	Period	Minutes	Time Frame
P1	100	8:00-9:40	P1	100	8:00-9:40
P2	90	9:45-11:15	P2	90	9:45-11:15
Homeroom	30+30	11:20-12:20	Homeroom	30+30	11:20-12:20
Lunch A		11:20-11:50	Lunch A		11:20-11:50
Lunch B		11:50-12:20	Lunch B		11:50-12:20
P3	90	12:25-1:55	P3	90	12:25-1:55
P4	90	2:00-3:30	P4	90	2:00-3:30

A-L Students are Remote Learners on Thursday & Friday

Grading:

Participation (Based on expectations listed above - See Rubric)	20%
Class Assignments (ALEKS/IXL Assignments and Classwork Assignments)	50%
Growth Assessments	30%
90-100% = A	80-89% = B
70-79% = C	60-69% = D