

Intermediate Algebra 2020–2021 Syllabus

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Overall Purpose

The purpose of studying mathematics is to enhance **your** analytical and problem-solving skills. It creates the basis for systemic thinking; being able to understand the “Big” picture of a situation by connecting all the individual pieces. It improves the skills required to arrive at logical conclusions, expands the **mind’s** ability to handle unfamiliar tasks with ease and confidence, and it promotes cautious and careful thinking.

Course Description

Intermediate Algebra supports the above overall purpose by covering topics such as functions, linear equations, systems of equations, exponentials, quadratics, modeling, and inequalities. The course will be following the Algebra 1 curriculum along with some additional problems to practice the skills required on the SAT.

Geometry Course Outline

The course is broken into the following units of study.

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Semester 1 (Quarter 1 or Quarter 2)

Chapter 1: Functions

Chapter 2: Linear Relationships

Chapter 3: Simplifying and Solving

Chapter 4: Systems of Equations

Chapter 5: Sequences

Semester 2 (Quarter 3 or Quarter 4)

Chapter 6: Modeling Two Variable Data

Chapter 7: Exponential Functions

Chapter 8: Quadratic Functions

Chapter 9: Solving Quadratics and Inequalities (*If time allows*)

Chapter 10: Solving Complex Equations (*If time allows*)

Chapter 11: Functions and Data (*If time allows*)

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.

Class Guidelines

It is the responsibility of everyone to act in ways that create a classroom (both virtual and in-school) where everyone has the best chance to learn. So, any behavior that does not help us do this will be dealt with appropriately. Guidelines in the Student Handbook are the governing rules in this classroom. Following are just a few of those guidelines.

- Come to class **prepared** and **ready to learn** every day. This means you need to **bring all of your materials**, have any **homework** completed, and be **ready to work and stay focused**.
- Respect and be kind to one another.
- Keep the classroom clean.
- Etc.
- We already know all of this.

Getting Help Outside of Class

All students are to add the following Schoology course: **Office Hours Jakus: Section 1**

The code to join is: **9NPB-JGCR-HC5QF**

This is where you can find me virtually on Wednesdays from 3:00-3:45 PM. Of course I can help at other times. Just ask and we will figure out a time to meet.

Food/Drinks

- You may bring a drink to class in a container that has a closed lid (such as a water bottle. or gatorade bottle).
- You will be eating breakfast and lunch in the classroom.

Dress Code

The Greeley West Dress Code will be strictly enforced! (It is in your handbook.)

Absences

Students will be marked absent if they arrive more than 10 minutes late to class (in-school or virtual) without a pass.

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 Mr. Jakus online from your home by logging into class through [Schoolology](#). (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 Mr. Jakus online from your home by logging into class through [Schoolology](#). (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

Assignments

- Assignments will be given on a regular basis. These assignments are meant to stimulate your brain and get you thinking about the math you are learning. Assignments will be graded mainly for the mathematical thinking shown, regardless of correctness. Occasionally assignments will be graded for correct answers, but it's ALWAYS more important to practice good mathematical thinking and show it on your paper! :-)
- **NO CREDIT** will be given for assignments with answers only where work is needed.
- All assignments will be submitted through schoology. Make sure that you are able to take a picture and upload it to schoology. We will practice this in class, but you might want to get a head start.
- Include your name, date, class period, and the title of the assignment on your paper. An example is shown below as a guide.
- And let's be honorable about our work. Don't use those mind-numbing phone-apps or anyone else's brain to do your work. Only by personal struggle will you learn anything.
- Any at-home or remote work has a due date/time of 10:00 PM of the due date

Assessments

- Quizzes will be both announced and unannounced, and will cover small sections of a unit.
- Tests will cover a chapter or smaller sections of a chapter and benchmark levels.
- Assessments may be administered either in class or in an online format.
- Students are expected to take assessments during class time. If you are absent, you are still responsible for taking the quiz. Exceptions can be made at the discretion of the teacher. In other words, if something comes up please talk to me and we can work something out together.
- There will be the opportunity for retake on some assessments.
- There will be a cumulative final exam at the end of the semester. It will be worth approximately 10% of your overall grade.

Grading

All Assignments, Quizzes, and Tests will be graded on the following **4 point scale**.

4 - 100% 3.5 - 90% 3 - 80% 2.5 - 70% 2 - 60% 1.5 - 55% 1 - 50% .5 - 40%

The letter grade scale is as follows:

A: 90-100% B: 80-89% C: 70-79% D: 60-69% F: Below 60%

Gradebook categories and weights:

Assignments: 30%

Quizzes and Tests: 70%