



Roosevelt High School

HOME OF THE TEDDIES

Advanced Algebra Syllabus

2023-2024

Teachers and Contact Info	Jim Bussa james.bussa@mpls.k12.mn.us Google Voice: (612) 276-2841	Ryan Voeks ryan.voeks@mpls.k12.mn.us Google Voice: (612) 547-6699	Sharon DeLisle sharon.delisle@mpls.k12.mn.us Google Voice: (612)460-5521
Class Codes	2nd hour: wydu5pc 6th hour: dknsjy5 7th hour: 64cbaei	1st hour: mukef2b 3rd hour: qx4gpou 5th hour: c55ekpo	1st hour: ej7qxix 3rd hour: 6epxvwt 4th hour: 4ph5uen 6th hour: gtr7joy
About this teacher:	<ul style="list-style-type: none"> • This is my 36th year teaching. I have spent the last 30 years at Roosevelt. • I have 4kids - Felicity (32), David (28), Catherine (22), and Paul (14). My wife is a teacher at Holy Angels • I live in Shakopee. When you go to Valley Fair, look for my house from the top of the roller coasters! 	<ul style="list-style-type: none"> • This is my 24th year teaching math in MPS and my 10th year at Roosevelt (taught at Patrick Henry for 12yrs and Southwest for 2 years as well) • I have two kids - my daughter Ella is a freshman at Western Michigan University and my son Ethan is an 10th grader at Roosevelt. My wife is also a math teacher but she works in St. Paul. • I live in the Roosevelt community (near Keewaydin) and I love seeing students in the neighborhood! 	<ul style="list-style-type: none"> • This is my 28th year teaching. I started my teaching career at Roosevelt and this year I am back. In between I taught at Anne Sullivan, Andersen, and most recently Anwatin. • I have 2 kids - Ronny is in 10th grade and Vivian is in 9th grade. My husband is a middle school social studies teacher. • I live in Ramsey with my family and wonderful dog, Bailey.

What is expected from the teacher?

- I will be prepared for all classes with lessons designed to help you make progress in math
- I am here for you and will work with you to help you be successful in class
- I am open to hearing student perspectives on what's working and what isn't
- I will give you feedback that will help your learning

What is expected from the students?

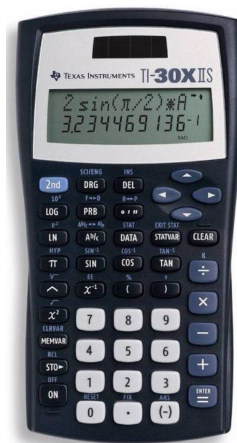
- Students will come to class open to the process of learning. Sometimes math will feel straightforward and sometimes it might be confusing! This is all part of the process. Try not to check out when things are challenging for you
- Students will be prepared for class, with all materials and any assigned work complete
- Students will do their own work
- Students will be active learners, especially when things are challenging - ask questions, come to Math Help, talk to their teachers, take academic risks, etc.

Attendance:

- If you miss class, please check the Google Classroom to get caught up and check with your group members.

Materials:

- **Daily class materials:**
 - Chromebook/computer & charger
 - A math-specific notebook (or a binder with paper)
 - Student Workbook
 - Two different things to write with – maybe a pencil and a pen, or two different color pens, whatever you prefer.
- **Calculators:**
 - We will have a class set of graphing calculators for use during class.
 - Scientific calculators (TI-30XIIS) are a good tool for class and are allowed on the ACT, so it might be a good idea to purchase if you are able. They are \$10-15 dollars at Target or Walmart. While helpful, these calculators are **not required**.
 - TI-84 Graphing Calculator is not required, but you may find it helpful to have one close by as you work. We have them available in class for student use. They are also available for purchase, but they are expensive (around \$100).
 - Calculate84 is a free app version of a graphing calculator. There are free online graphing calculators available such as [desmos.com](https://www.desmos.com) and [wabbitemu.org](https://www.wabbitemu.org) (This site allows you to download a graphing calculator.)



Extra Help:

- Teacher staffed Math Help is in room 321 T, W and TH 3:25 - 4:00 and during club/flex time on Friday.
- Your local public library. The Minneapolis Public Libraries have tutors at designated times. Stop in to the one near you to find out when tutors are available.

Academic Dishonesty:

- If I discover a student cheating or plagiarizing, I will give the student a 0 on the assignment. There may or may not be a chance to make it up depending on the circumstances. If you are in a position where you are tempted to cheat, please communicate with me and get help instead. I would rather give you an extension so you have enough time to be successful.

Course Outline

Unit 1: Functions and their Inverses

Unit 2: Logarithmic Functions

Unit 3: Number Systems and Operations

Unit 4: Polynomial Functions

Unit 5: Rational Functions and Expressions

Unit 6: Modeling Periodic Behavior

Unit 7: Trigonometric Functions, Equations and Identities

Unit 8: Modeling with Functions

Unit 9: Statistics

Unit 10: Matrices Revisited

Grading:

Letter Grades will be assigned based on your percentage of points earned:

Assessment Scale	Letter Grade	Percentage Breakdown	Description/Explanation
7 - 8	A	85.5% - 100% = A 79.5% - 85.4% = A-	Work consistently is... Extended and Innovative
5 - 6	B	72.5% - 79.4% = B+ 64.5% - 72.4% = B 57.5% - 64.4% = B-	Work consistently is... Accurate and Proficient
3-4	C	50.5% - 57.4% = C+ 43.5% - 50.4% = C 36.5% - 43.4% = C-	Work mostly is... Adequate but Inconsistent
2	D	32.5% - 36.4% = D+ 28.5% - 32.4% = D 24.5% - 28.4% = D-	Work is... Developing, Limited and Partial
0 - 1	F	0% - 24.4% = F	Work is.. Incomplete, Inaccurate and has Insufficient evidence

The categories that make up grades are below:

- 80% Summative (Learning Target Quizzes/Tests and projects)
- 20% Formative (Class Assignments, homework, participation, and some projects)

Retakes & Late Work

Students can improve assessment scores by arrangement with their teacher. Improvements must be completed prior to the next assessment. Teachers may require students to complete related formative work before improving their assessment score. Students are also encouraged to ask for what they need. Late work is accepted but only until the end of each Unit.

Thanks for reading, and let me know if you have questions. I look forward to an exciting year!

Sincerely,

Mr. Bussa, Mr. Voeks, and Ms. DeLisle