

WCHS
Welcome to Algebra 2!
2025-2026

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Course Description: Algebra 2 includes the four fundamental operations with rational numbers and polynomials, solving linear equations and inequalities in one variable, graphing equations and inequalities in two variables, factoring of polynomials, solving quadratic equations, graphing quadratic equations and inequalities, operations with rational and irrational square roots, and simplifying radical expressions. These topics are expanded and taught on a more advanced level as compared to Algebra 1 or Algebra 2 Modified. The new topics in Algebra 2 include relations and functions, graphing quadratic equations, exponential and logarithmic functions, progressions and the binomial expansions, and trigonometry. A scientific calculator is required for this course.

Communication: Communication is vital to your success in this class. Please communicate any questions or concerns via email. I will do my best to respond as quickly as I can. Please also plan to check your school email and Google Classroom daily. Skyward will also be kept up-to-date. It is the student's responsibility to be checking Skyward regularly and contacting the teacher about any questions or concerns.

Google Classroom: The Google Classroom code for our class is: wiggm3lh
Students will be able to access daily information through Google Classroom. Students are responsible for checking Google Classroom on any day where they do not see Mrs. Barth (i.e. student is absent or Mrs. Barth is not in class.)

Required/Recommended Materials: Pencils and erasers, designated three-ring binder or section of a binder(required for note checks), lined paper, colored pencils, scientific calculator (required – I recommend the TI-30XS or 36XPro), school-issued Chromebook. If you need help acquiring any of these materials, please talk to Mrs. Barth or your counselor.

Classroom Expectations:

- **BE PREPARED!** This means both physically and mentally. Every day you should come with the mindset that you are ready to learn. You should also have your charged chromebook, binder, pencil, calculator, and any assignments that are due.
- **BE RESPECTFUL!** Respect the teacher, respect each other, respect the classroom, respect the subject, and respect the school. This means cheating will not be tolerated. This also means you will follow the rules in the handbook, including the use of electronic devices in the classroom. Chromebooks should only be used at appropriate times with permission given.

Classroom Procedures:

1. Entering the classroom at the beginning: *Put phones in designated places, get out all necessary materials, be seated, and finally check the daily agenda to see how to best prepare for the start of class that day.*

2. During class time: *You are expected to listen to the teacher's instructions, participate, and work on the assigned classwork the entire class period.*
3. Leaving the classroom at the end: *You will be dismissed when all classroom materials are put away, all garbage is picked up, and all students are seated in their assigned seats.*
4. Passes: *To leave the classroom, you will need a pass from me. Please take care of using the restroom before coming to class whenever possible. Please avoid asking for a pass the first or last 10 minutes of class.*
5. When you forget supplies: *Ask a classmate or myself to lend you the supply you need.*
6. Asking a question in class: *I am happy to help you learn in whatever way I can! Raise your hand if you have an idea to share or a question. I am also available outside of class by appointment if you would like extra help.*
7. School handbook – *All school rules will be adhered to in the classroom. Cell phones and other electronic devices should also only be used with teacher permission.*

Grading and Assessment: Your grade is weighted by percentages (Formative – 20%, Summative – 80%). Grades will come from a variety of class activities (Formative), homework (Formative), quizzes (Summative), tests (Summative), and projects (Summative). Skyward will be kept up to date so please check it regularly. If there are questions about a grade, it is the student's responsibility to contact the teacher.

Grading Scale:

94-100 A (4.00)	74-77 C (2.00)
90-93 A- (3.66)	70-73 C- (1.66)
88-89 B+ (3.33)	68-69 D+ (1.33)
84-87 B (3.0)	64-67 D (1.00)
80-83 B- (2.66)	60-63 D- (0.66)
78-79 C+ (2.33)	0-59 F (0.00)

Late Work/Life Happens Passes: Per department policy, late work will not be accepted. However, life happens. Each student will be given 3 “Life Happens” passes at the beginning of the semester. These passes allow a student to turn in a homework assignment past the assigned due date for full credit. Each student has 3 “Life Happens” passes. I will keep track of them as they are used. If you are unsure of how many passes you have remaining, please email me. Please note: “Life Happens” passes are not eligible to be used on tests/quizzes/projects and these passes may only be used to earn full credit if the assignment is completed **before** the test/quiz/project on the material.

Please email me () when the assignment is done and that you would like to use a “Life Happens” pass on the assignment. Then I will know to check and update Skyward. This email must be received **before** a test/quiz/project is assigned over the material. Please include the assignment name in the email. I will respond that your grade has been updated and let you know how many passes you have remaining for the semester.

Absence Policy: Materials will be available on Google Classroom whether you are in class or not. Materials will post by 8am each day. It is the student's responsibility to make up any work that they miss within the timeline outlined in school policy (two days for excused absences). *Because of how a math class is continually building on itself, it is important that students make every effort to stay current on material even when absent.* Students should contact the teacher to make arrangements for reasonable deadlines for completion of missed work if they are unable to complete it within the original timeframe. If no contact is made, the expectation is that the student will adhere to the original deadlines.

Per school policy, any grade from the date of an unexcused absence will be a zero. If the unexcused absence is updated to excused, it is the student's responsibility to contact the teacher to update the grade in Skyward. Original timeline for acceptance must be followed for unexcused absences that are updated to excused in order to receive credit.

Artificial Intelligence: "Artificial Intelligence" or "AI" is intelligence demonstrated by computers, as opposed to human intelligence. "Intelligence" encompasses the ability to learn, reason, generalize, and infer meaning. Examples of AI technology include but are not limited to: ChatGPT and other chatbots and large language models.

AI is not a substitute for schoolwork that requires original thought. Students may not claim AI generated content as their own work. The use of AI to take tests, complete assignments, create multimedia projects, write papers, or complete schoolwork without permission by the teacher is strictly prohibited. The use of AI for these purposes constitutes cheating or plagiarism.

In order to ensure academic integrity, tests, assignments, projects, papers, and other schoolwork may be checked by AI content detectors and/or plagiarism recognition software. Detection of AI usage without permission will result in a zero.

Extra Help: If you need extra help, I am happy to help you!

1. Actively participate in class.
2. Utilize given in-class time to ask questions and receive extra help.
3. Utilize peer tutors.
4. Utilize notes and videos available on my website/Google Classroom, as well as other resources.
5. Come see me before/after school or during a study hall if I am available. Please talk to me or email me to make arrangements.

Units Studied: .

1. Expressions
2. Equations
3. Exponential Functions
4. Linear and Absolute Value Functions
5. Quadratic Functions
6. Systems of Functions
7. Polynomial Functions
8. Rational Expressions and Functions
9. Statistics
10. Right Triangle Trigonometry

Note: This syllabus may be updated or changed to reflect the needs of the students throughout this school year.

Please know that my goal is to help you to gain confidence in this subject throughout the year. I am here to support you any way that I can, so please let me know if you have any questions at all! I'm looking forward to a great year!