Algebra 2 Syllabus
Fall 2025 - Spring 2026
Amy Valandingham

Email: amy.valandingham@claibornecsd.org

Phone: 423-869-9964

Planning: 2nd Block 9:20-10:40

Course Description:

This Algebra 2 course builds upon foundational algebraic concepts and introduces more advanced topics in preparation for higher-level mathematics. Areas of study include linear and quadratic equations, systems of equations and inequalities, polynomials and factoring, rational expressions, radical functions, and exponential and logarithmic relationships. Special topics covered include complex numbers, sequences and series, and probability and statistics. In addition to reinforcing key concepts from Algebra 1, this course emphasizes problem-solving techniques and real-world application.

Units of Study:

Module Number	Topic	Approximate Length in Days
Module 1	Relations and Functions	16
Module 2	Linear Equations, Inequalities, & Systems	16
Module 3	Quadratic Functions	17
Module 4	Polynomials and Polynomial Functions	11
Module 5	Polynomial Equations	9
Module 6	Inverses and Radical Functions	15
Module 7	Exponential Functions	12
Module 8	Logarithmic Functions	12
Module 9	Rational Functions	11
Module 10	Inferential Statistics	11
Module 11	Trigonometric Functions	13
Module 12	Trig Identities and Equations	10
Module 13	Matrices	13

This pacing is subject to change without notice at teacher's discretion.

All standards can be found at: https://www.tn.gov/content/dam/tn/education/standards/math/stds_math.pdf

Grading Scale:

A 90-100

B 80-89

C 70-79

D 60-69

F 0-59

Grading Policy:

Cumulative Points: Points will be awarded for practice skills and classroom activities, attendance, homework, notebook grades, quizzes, and tests.

Academic Integrity

All students' academic work must reflect their own honest efforts. Students caught cheating will receive a "0" for the work.

Students who collaborate with others in cheating, by allowing his/her papers to be copied or by other means, are subject to the same penalty.

Classroom Expectations

1.)Students should be prepared for class by bringing the following to class every day.

-**Completed assignments**, **Chromebook**, **Textbook, Binder, Paper, and Pencil** (Chromebooks should be fully charged every day. Failure to bring your Chromebook/not having it charged may result in a zero on the assignment for that day.)**.**

2.) Cell phones or other electrical devices not issued by the school are not allowed.

-Cell phones will be placed in assigned pouches upon entering the classroom and will be retrieved with teacher's permission at the end of class.

3.) Students will not be allowed to leave during instructional time.

-Class time is valuable learning time. Students need to remain in class as much as possible.

4.) Students will be expected to be respectful of others and their environment.

This is not an exhaustive list of all classroom and school expectations.

The Cumberland Gap High School Handbook can be accessed at:

https://sites.google.com/claibornecsd.org/cumberlandgaphighschool/cghs-handbook?authuser=0

Absences

If a student has an **excused** absence, they are allowed the same number of days to make up their work as the number of days they were absent. A 90 is the highest grade possible on late work. If a student has an **unexcused** absence, they may or may not have the opportunity to complete the work. Participation is part of the grade in this class; absences, tardies, and dismissals will lower a student's participation grade.

** After reading and understanding the above information, please complete this page and return it to Mrs. Valandingham by **Wednesday, August 13th****

Student Portion:

By signing below, I am stating that I have read and understood all of the information for Mrs. Valandingham's Geometry class. I agree to follow and adhere to all of this information. I understand that Mrs. Valandingham has the right to adjust these rules in extreme circumstances.

Student Name: _____

Student Signature: _____

Parent/Guardian Portion:

By signing below, I am stating that I have read and understood all of the information for Mrs. Valandingham's Geometry class. I understand that Mrs. Valandingham has the right to adjust these rules in extreme circumstances.

Parent/Guardian Name: _____

Parent/Guardian Signature: _____

Parent/Guardian Email Address: _____

Parent/Guardian Phone Number(s): _____