Course Syllabus: ALGEBRA

Course Description

Algebra is the first course in a sequence of three high school courses designed to ensure career and college readiness. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning.

This course has three sections: Algebra A is the first half of the course and includes Units 1 – 4. Algebra B is the second half of the course and includes Units 5 – 8. Algebra Y is the entire course and includes Units 1 – 8.

This course includes the following units:

Unit 1 – Modeling Linear Functions
Unit 2 – Analyzing Linear Inequalities
Unit 3 – Investigating Rational and Irrational Numbers
Unit 4 - Modeling and Analyzing Quadratic Functions
Unit 5 – Modeling and Analyzing Exponential Expressions and Equations
Unit 6 – Analyzing Exponential Functions
Unit 7 - Investigating Data
Unit 8 – Algebraic Connections to Geometric Concepts

CVA Work Policy

- All coursework must be completed and submitted using the links in CTLS by 11:59 PM on the DUE DATE.
- Work should be completed in the order it is assigned on the Class Schedule.
- All work submitted on time will be graded within 24-48 hours.
- Assignments not submitted by the due date will be marked missing. Missing assignments are calculated as zeros in the coursework average. When students submit missing work, the assignment will be graded and calculated into the course average.

The CVA term ends prior to the end of the traditional school semester. The final date work will be accepted each term is posted on the CVA website (cobbvirtualacademy.org).

Grading

Grades for the course are calculated based on category percentages as follows:

Algebra	
Categories	**Weights**
Assessment/Application Activity	50%
Test	40%
Final Exam	10%

Academic Integrity

Academic integrity is the cornerstone of learning at CVA and we take the integrity and authenticity of student work very seriously. When academic integrity is maintained, students will make decisions based on values that will prepare them to be productive, meaningful, and ethical citizens.

Students are required to abide by the CVA Academic Integrity Policy. Academic dishonesty in any form will not be tolerated. The CVA Academic Integrity Policy outlines the consequences if students fail to maintain academic integrity in their course. For additional information, the CVA Academic Integrity Policy is posted on the CVA website.

Additional General Information

- Students must complete the mandatory online CVA Student Orientation each term before any course work will be graded by the instructor.
- All course work must be submitted through CTLS in the format requested. Students should have access to Microsoft Office and submit items in that format. All CCSD students have access to the Office365 Suite. Items submitted through email will not be accepted.
- Students in the A section of the class must take an online final exam during the times indicated on the CVA website. Students in the B or Y sections of the course will take the state-mandated Georgia Milestone End-of-Course (EOC) assessment. The EOC assessment must be given in a CCSD facility and proctored by CCSD staff during testing periods established by the state. EOC information is posted on the CVA website. *For the 23-24 school year, the EOC will not count towards a student's course average. In addition to the EOC, the B and Y students will take a Final Exam online that will count 10% of the course average.*

Class Specific Information

- **Assessments and Application Activities**: After reviewing each lesson, students will complete an assessment and application activity online. Each assessment has approximately 10-15 questions. The application activity has free-response questions.
- **Tests:** Students should carefully review the feedback on graded items and be sure to understand the material prior to beginning the Unit Test.