



Course Syllabus: GSE ACCELERATED GEOMETRY/ALGEBRA II

Course Description

GSE Accelerated Geometry/Algebra II is the second in a sequence of mathematics courses designed to ensure that students are prepared to take higher-level mathematics courses during their high school career. Students continue to work with geometry concepts as the work with circles and theorems related to them. The students then move onto applying the geometric concepts they have previously learned in the coordinate plane in finding distances and writing equations of circles. They then build upon the probability concepts they learned in middle school. Students expand their repertoire of functions to include quadratic (with complex solutions), polynomial, rational, and radical functions. And, finally, students bring together all of their experience with functions to create models and solve contextual problems.

This course has three sections: GSE Accelerated Geometry/Algebra II A is the first half of the course and includes Modules 1 – 5. GSE Accelerated Geometry/Algebra II B is the second half of the course and includes Modules 6 – 10. GSE Accelerated Geometry/Algebra II Y is the entire course and includes Modules 1 – 10.

This course includes the following modules:

Geometry

Module 1 – Circles and Volume

Module 2 – Geometric and Algebraic Connections

Module 3 – Applications and Probability

Algebra II

Module 4 – Quadratics Revisited

Module 5 – Operations with Polynomials

Module 6 – Polynomial Functions

Module 7 – Rational and Radical Relationships (2 parts)

Module 8 – Exponential and Logarithmic Functions

Module 9 - Mathematical Modeling

Module 10 – Inferences and Conclusions from Data

Textbook

The GSE Accelerated Geometry/Algebra II course references two textbooks which are available online and in hard copy.

Georgia Analytic Geometry, Houghton Mifflin Harcourt

Georgia Advanced Algebra, Houghton Mifflin Harcourt

Course Participation Policy

Students should follow the Course Schedule (located in Course Information area of course) and all course work must be submitted no later than 11:59 PM on the due date.

After the due date has passed, instructors will enter zeros in the Grade Center for work not submitted by the deadline. During student breaks and towards the end of the semester, students may have the opportunity to improve their course grade by completing and submitting work with grades of zero from earlier in the semester. Zeros will remain in the Grade Center until course work is submitted and evaluated by the instructor.

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:

Assignments	= 30%
Quizzes	= 30%
Tests	= 20%
Final Exam/EOC	= 20%

** Students in the B and Y sections of the course must take an online final exam during the times indicated on the CVA website. The Y Final Exam will count as a test grade. Students in the A and Y sections of the course must take the state-mandated End-of-Course (EOC) test.*

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. Only one Student Orientation is completed each term.
- All course work must be submitted through Blackboard in the format requested. Students should have access to Microsoft Office and submit assignments in that format. All CCSD students have access to the Office 365 Suite. Assignments submitted through email will not be accepted.
- The 'Grade before Final Exam/EOC' column in the student Grade Center shows the current grade for the course and is automatically calculated.
- Students in the B and Y sections of the course must take an online final exam during the times indicated on the CVA website. The Y Final Exam will count as a test grade. Students in the A and Y sections of the course must take the state-mandated End-of-Course (EOC) test. The EOC must be given in a CCSD facility and proctored by CCSD staff during testing periods established by the state. EOC testing date and time information is posted on the CVA website.

Course Specific Information

- **Practice Assignments:** After reviewing each lesson, students will complete a practice assignment ONLINE. Each assignment has approximately 10 questions. Students can start the assignment, SAVE the assignment and come back to it at a later time. Once the assignment is complete, students should click the SUBMIT button.
- **Quizzes and Tests:** Quizzes and tests are password protected. To get the password for a quiz or test, the student must submit the assignments leading up to that particular quiz or test. Students should carefully review the feedback on graded assignments and be sure he/she understands the material prior to beginning the quiz or test.