



Geometry

Course Syllabus 2025-2026

Mr. Ravi Kanth Gaddam, Instructor

Room Number: 315

School Phone: 706-772-8140

Email address: Gaddara@boe.richmond.k12.ga.us

In Geometry: Concepts & Connections, instructional time should regularly incorporate the 8 Mathematical Practices, the Framework for Statistical Reasoning, and the Mathematical Modeling Framework through four big ideas of content: (1) numerical reasoning, (2) functional & graphical reasoning, (3) patterning and algebraic reasoning, and (4) geometric and spatial reasoning. This course is designed as the second course in a three-course series. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability. The identified Prerequisite for this course is Algebra: Concepts & Connections.

Course Outline: The Geometry curriculum is composed of 10 units.

Units of Study	Time Length
Unit 0: Think Like a Mathematician	1-2 days
Unit 1: Exploring Polynomial Expressions through Geometry	2-3 weeks
Unit 2: Geometric Foundations, Construction and Proofs	3-4 weeks
Unit 3: Exploring Congruence	4-5 weeks
Unit 4: Investigating Similarity	4-5 weeks
Unit 5: Right Triangle Trigonometry	2-3 weeks
Unit 6: Making sense of Circles	5-6 weeks
Unit 7: Modeling with Equations and Measurement	3-4 weeks
Unit 8: Investigating Probability and Statistics	6-7 weeks
Unit 9: Culminating Capstone Unit	1-2 weeks

Attendance and Late assignments.

Students will receive a variety of assignments designed to enhance their learning. If a student is absent, the student is responsible for the missed assignment. Students who have an excused absence will be allowed five days to turn in the missed assignment. Each day after the due date, an assignment will be automatically reduced by 2% of the overall grade by the number of days it is late. For example, if an assignment is turned in three days after a due date you will lose 6% (2% x 3 days late), meaning you could only get a 94% on the assignment. Students can log in when they want on their own time to complete missed lessons, late work, and grade recovery.

Evaluation

Summative Assessments (Tests) 40%	Unit Tests Chapter Tests
Formative Assessments (Primary classwork) 60%	Quizzes Homework Mastery Work (Group Work) Classwork Daily Discussion
Midterm and Final 10% of the student's math average.	Semester 1 and Semester 2 exams

Grading Scale: A= 100-90, B=89-80, C=79-75, D=74-70, F=69-0

The primary goal is to meet the developmental needs of each student; therefore, student progress should be monitored using Infinite Campus. This tool is available for parents and students to quickly access student's grades and attendance (see the Registrar, Mrs. Strand for details).

NOTES: If you know that your child struggles in Mathematics, please arrange to ensure that your child receives additional assistance. Tutoring is available every Thursday after school until 4:30. If you have any questions at any time, please feel free to contact your child's math teacher via Remind or email.

The teacher reserves the right to adjust the syllabus to meet the needs of the students. Changes may need to be made to accommodate student needs or educational requirements.

Course Assessment:

Tests are at the end of each chapter and unit.

Quizzes are at the end of each big idea.

Homework is due by 11:29pm on the Sunday of the week it was assigned.

Classwork is due preferably on the day it is assigned for but no later than Sunday of the week it was assigned by 11:29pm.

Daily Discussions are due on Friday at the end of class.

Late work will be graded as listed above under absences. Geometry is a subject that requires a lot of graphing and drawing that takes time. It is not hard work but is time consuming. I am not trying to waste your time but am looking to help you understand where Geometry and math are important in life.

Five Attributes to Success in my Classroom

- **Determination**
- **Respect**
- **Integrity**
- **Personal Courage**
- **Honor**

Classroom Procedures & Expectations

1. **Determination, Respect, Integrity, Personal Courage, Honor**
2. Log into Canvas and complete your daily discussion every day at the designated class time.
3. Once you have completed your response to the daily discussion question start the notes part of the lesson highlighted on the board.
4. There is no disrespecting classmates or teachers.
5. There is no "I can't not do this" attitude allowed.
6. During assessments you are to not leave the testing window and have integrity.
7. During class work, raise your hand, and I will acknowledge you to allow you to speak. Please be patient and I will answer your question.
8. If you are absent, it is your responsibility to check Canvas to see which assignments you missed. It is your responsibility to complete the assignments within five days before losing points.
9. Do not leave or interrupt classmates or teacher during whole class instruction.
10. Classwork and Homework are to be submitted by the end of each week by 11:29pm on Sunday. Classwork submission is preferred daily.
11. NO CELL PHONES, HEADPHONES, iPad, or Smart watches.
12. Composition books are due on Friday of every week after weekly assessments.

Course Materials

No. 2 pencils
Loose Leaf Paper
Graphing Paper
One inch Binder
Divider Tabs (Set of 6)
Markers (8 colors)
Colored Pencils
Highlighters
Geometry textbook
Compasses
Ruler