***Mr. Bland,* Teacher**

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

**Course Description and Goals:**

Geometry: Concepts and Connections is the second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance 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. High school course content standards are listed by big ideas, including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning.

**Course Outline:** Geometry is divided into nine different units(not including unit zero).

Unit 0 (4-5 day) Learners’ Profile and Think Like a Mathematician

Unit 1 (2 – 3 weeks) Exploring Polynomial Expressions through Geometry

Unit 2 (3 – 4 weeks) Geometric Foundations, Constructions, and Proofs

Unit 3 (4 – 5 weeks) Exploring Congruence

Unit 4 (4 – 5 weeks) Investigating Similarity

Unit 5 (2 – 3 weeks) Right Triangle Trigonometry

Unit 6 (5 – 6 weeks) Making Sense of Circles

Unit 7 (3 – 4 weeks) Modeling with Equations and Measurement

Unit 8 (6 – 7 weeks) Investigating Probability and Statistics

Unit 9 (1 – 2 weeks) Culminating Capstone Unit

**Materials**: You will need a laptop(county issued) three-ring notebook, notebook paper, pencil/pen, and composition notebook.

 **Assignments and Absences**

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 are absent will be allowed

five days to turn in the missed assignment, but the teacher will determine if additional time is needed on a case-by-case basis. **It is the student’s responsibility to contact me if they are having trouble or needs assistance.**

**Course Assessment Plan/Grading Scale:** This course will include many formative assessments (bell work, quizzes, and classwork). The course will also include four countywide common assessments. At the conclusion of the course, in late April all Geometry students are required to take the Georgia Milestone which will count as 20% of their final grade. For this course grades will be assigned as follows:

**Major Assignments – 40%**

**Minor Assignments – 60% (Graded written and virtual assignments – Nearpod, Delta Math, IXL etc.)**

**Grading Scale**

**A** = 100 – 90, **B** = 89 – 80, **C** = 79 – 75, **D** = 74 – 70, **F** = 69 – 0

**Homework**: Monday - Thursday. **(Incomplete written practice for major assessment, and some will not be graded at the teacher’s discretion)**

**Classroom Expectations and Consequences**

The teacher will discuss the classroom expectations and consequences during class. The classroom expectations and consequences will be posted via Canvas and on the school webpage.

**School Expectations**

**Follow all school rules and policies (P.R.I.D.E – PBIS).**

**· P – Positive**

**· R – Respectful**

**· I – Innovative**

**· D – Determined**

**· E – Excellence**

**Conferences**

The primary goal is to meet the developmental needs of each student; therefore, student progress during each grading period will be closely monitored. A Parent conference should be scheduled for all students earning D’s and F’s at the end of each nine weeks grading period. In order for your parent to schedule a conference with your teachers, please contact the **Guidance Office** at **706-592-2089.**

**Remind codes:**

**3rd Period: blandgeo3p**

**4th Period: blandgeo4p**

**5th Period: blandgeo5p**

**7th Period: blandgeo7p**

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**By signing below, I acknowledge that I have read and understand the Geometry Course Syllabus for 2024-2025 school term.**

Parent/ Guardian Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Name (Please Print) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/ Guardian Contact Information :

Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Please Print)

Phone Number : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E-Mail Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_