

**Tech High School****General Course Information:**

Instructor: John Bragelman

Room: M-3

Cell Phone Number: 678-777-9016

Email: [jbragelman@techhighschool.org](mailto:jbragelman@techhighschool.org)

Tutorial Hours: Tuesday, Wednesday, Thursday, 3:20 - 4:00.

Planning Period: 2<sup>nd</sup> Period

Textbook: Geometry 2004, \$55.60.

Prerequisites: Students are required to have at least a passing grade in Algebra I to take this course.

\*Appointments can be made for meeting with the instructor on a case by case basis, after school on Mondays, Tuesdays, Thursdays, or Fridays.

**Course Objectives (my goals):****Change**

I, the instructor, will prepare the students concerning the necessary topics required to succeed expectations on the Geometry End Of Course Test.

I will equip students with the tools necessary to understand and apply geometric proofs and logic in order to develop meaningful conclusions from real world problems.

A portion of my course will be rooted in technology and its applications toward applied mathematics.

**Course Requirements (what I expect of you):**

1. Each student is expected to be present and on time for class each day.
2. Each student is expected to come to class well prepared, having appropriate materials, including textbook, notebook, paper, pen/pencil, and calculator. (Graphing calculators are provided for many in - class activities. However, students should have at least a scientific calculator for home use.)
3. Students are both encouraged and required to demonstrate a serious attitude toward school both in the classroom and out. Each student is expected to work to the best of his/her ability, and demonstrate integrity in their work. All students are expected to adhere to the rigorous academic and disciplinary standards of Tech High.
4. Students are to show respect towards each other, as well as the Instructor at **all** times. Behavior that violates Tech High policies will result in disciplinary action being taken.
5. Students are expected to complete **all** assignments. However, it is to be noted that the instructor will grade a subset of these assignments.
6. Each student is expected to maintain a class notebook. This notebook should be a hard-back, three ring binder with pockets. It should be divided into the following sections: title page, course syllabus, objectives & notes, classwork/homework, tests/quizzes. Notebook checks will occur at regular intervals, and are considered quizzes. (Objectives may be written with class notes.)
7. The teacher (not the bell) will dismiss students.
8. Cell phones are not permitted in the classroom mandated by Tech High regulations. Any cell phone usage in class will result in an automatic zero for the day's classwork grade.
9. **Every** student is required to compile a proof book of geometric proofs and theorems we will cover over the course of the semester. This project will serve as a study guide for the End Of Course Test as well as a medium of demonstration of your overall understanding and mastery of geometry.

Homework Policy – I believe homework is essential for student success in mathematics. I also believe that homework is for the benefit of the **student**. Therefore, students should expect homework every night. A student should read the textbook and class notes before working on home assignments. The successful student is one who devotes regular time and effort to working on the assigned problems and course material each night. Each assignment should be done to the best of your ability. Late homework will not be accepted. IT IS YOUR RESPONSIBILITY TO TURN IN HOMEWORK WHEN YOU ARE ABSENT!!!

Absences – Students are encouraged to partner with other classmates to study and get class notes and assignments when you miss a class. ABSENCES DO NOT EXCUSE YOU FROM MISSED ASSIGNMENTS.

### **General Outline of Content following the QCC Standards (what I will teach):**

The following is an outline of the topics covered in this course in preparation for the Geometry End of Course Test:

- Points, Lines, Planes, and Angles.
- Congruence and Similarity
- Coordinate Geometry
- Polygons and Circles
- Perimeter Area and Volume
- Logic and Reasoning

#### **Course Content Evaluation:**

Classwork	20%
Work Ethic:	10%
Homework:	20%
Quizzes:	10%
Tests / Projects:	25%
EOCT / Final Exam:	<u>15%</u>
<b>Total:</b>	<b>100%</b>

#### **Grading Scale:**

A	90% - 100%
B	80% - 89%
C	70 - 79%
F	0 - 69%

#### **Tutorial:**

Tutorial is available during hours posted above. Tutorial is mandatory for any students with a cumulative grade average below an 80.

#### **The Key to Success:**

Good note taking and regular homework completion correlate highly with a successful student. In other words, when a student takes notes and completes the homework, he or she will be successful in this class.

#### **Plagiarism:**

All work submitted for grading must be your own. If cheating is detected on any piece of work submitted for credit, a grade of 0 will be given to this piece of work and further actions will be performed as dictated by APS guidelines. I am inflexible in this.

# Tech High School

## Mathematics

Course: Geometry

Teacher: J. Bragelman

I have read the course syllabus, and I have shared its contents with my parents. Furthermore, I am aware of the grading policy that will form the basis of my evaluation and how my grade will be computed. I am aware that homework is an extension of the regular classwork, and will be counted as a part of my overall evaluation. I realize that I am required to maintain a notebook containing all notes, classwork, homework, and assignments. I am also aware that a written excuse must be presented to the teacher upon my return from an absence.

\_\_\_\_\_ I have read the expectations, and I am aware of what is expected of me to successfully complete this class.

Student Signature: \_\_\_\_\_

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Parental support is requested to make sure that all assignments and homework are completed and turned in on time. Parents are also asked to sign below, indicating that they have read this sheet and the course syllabus.

Child's Name: \_\_\_\_\_ Class Period: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_ I have read the expectations, and I am aware of what is expected of my child to successfully complete this course.

\_\_\_\_\_ I have read the expectations, and I would like to discuss them further.

Parent(s) Signature \_\_\_\_\_