

GEOMETRY 2013-2014

Ms Hitchcock/Ms Wells
Brookline High School
Room 144

email: kathy_hitchcock@brookline.k12.ma.us
hayley_wells@brookline.k12.ma.us

Welcome to Geometry! Here is some information that will explain what you'll be learning, and what is expected of you as a student.

- 1) **Units and Topics:** During the year we will study 12 topics in Geometry. The topics are organized into units. Each unit includes 3 topics; we will complete approximately one unit each quarter. Below are the units and the topics:

Unit I – What's It All About?

Topic 1: Language and Reasoning
Topic 2: Angle Relationships
Topic 3: Polygons and Classifications

Unit II – Triangle: The 3-Sided Polygon

Topic 4: Triangle Relationships
Topic 5: Congruent Triangles
Topic 6: Similarity

Unit III – The Geometer's Toolbox

Topic 7: Right Triangle Trigonometry
Topic 8: Pythagorean Theorem
Topic 9: Perimeter & Area

Unit IV – Seeing is Believing

Topic 10: Surface Area & Volume
Topic 11: Coordinate Geometry
Topic 12: Transformations

- 2) **Assessments:** There will be a **topic test** at the end of each topic to assess how well you've learned the material. Also, during the quarter there will be a paper where you will be asked to solve a math problem. You will have 2 – 3 weeks to work on this problem and write it up. There will also be a midterm and final exam in this class.
- 3) **Grades:** Your grades will mostly be based on tests and quizzes. Homework is practice. Assessments tell me what you have learned.
- 4) **Core Objective Quizzes:** For each topic, you will be required to master Core Objectives (CO's). These are the most important concepts and skills in each particular topic. The **CO-Quiz** is a quiz on those concepts and skills. You must get a grade of 100% on the CO-Quiz. You may take the CO-Quiz (different versions) as many times as you need in order to pass. The CO-Quiz will be given at least once during class time. For subsequent attempts, you will need to schedule a time out of class (X-block, free blocks, before or after school).
Note: You should review your old CO quiz with Ms Hitchcock before you do a retake.
- 5) **How the CO-Quiz affects your Grade:** If you do NOT pass the CO-Check for a topic, you will not receive a passing grade for that topic. If you DO pass the CO-Check for a topic AND you have passed all the Core Objective components on the topic test, you will pass the topic.

6) **Notebook:** For this class you need a 3-ring binder with dividers. Your notebook must have the following 4 sections:

- Notes & Classwork
- Homework
- Assessments

7) **Homework:** There will be homework assigned nightly – including weekends. We generally do not assign homework on holiday weekends or over vacations.

8) **Make-Up Work** It is your responsibility to make up missed assignments. You have as many days to make up the work as you have been “excused”.

We will not pursue you about your missed work due to an excused absence. You can check with your fellow students and get any notes or explanations from a classmate. Please get at least two phone numbers and/or email addresses from classmates so you will be able to get information.

9) **Tardies** - Simply put: You are expected to be on time! You are considered tardy if you are not in your seat with materials ready at the start of class. Anyone entering class after the class has begun is late. Tardiness is reflected in your daily attendance record which is tallied on your report cards.

Additionally, for every minute that you are late, you will need to make up 5 times that amount for us. For example, if you’re 5 minutes late, you need to come and sit with one of us for 25 minutes. Make-up time is generally during X Block.

Tardy students will not have extra time to complete quizzes or tests. Tardiness beyond 15 minutes will result in an unexcused absence (AWOL), with all of the appropriate ramifications.

If tardiness becomes a chronic problem, we will contact the dean and a parent. If a previous teacher has kept you late, be sure you ask him/her to give you a note; if you arrive late without such a note, we will need to send you back to the other teacher, who probably won’t be too happy to have class disrupted.

10) **Departures From Class** – Don’t. Use the bathroom before or after class. If you need to see the nurse, that is a different matter altogether

11) **AWOLS:** Unexcused absences are unacceptable. Don't cut class. The student can expect an “E” for any work expected or assigned that day.

We will contact parents/guardians when assignments, quizzes, tests, etc. are not handed in or taken.

12) You are expected to follow the Code of Conduct as it is outlined in the Student Handbook, as well as classroom expectations.

13) **Extra Help:** We are here to help you learn! Ms Hitchcock is here before school and after school. If I think you need some extra help, I will assign you a time to come meet with one of us. I want each and every one of you to succeed!

Note: We generally do not read e-mail after 9:00 PM. If you need immediate assistance, e-mail us prior to 9:00 PM. My e-mail address is: Kathy_Hitchcock@brookline.k12.ma.us **Please let us know if you do not have home e-mail access.**

The **Math Center** is also a great place to get help with assignments, study for tests, and review. It is open for freshmen before school from 7:35 – 8:15. The Math Center is in room 143 and has at least 2 math teachers there to help you. Feel free to drop in any time for math help!

14) **Required Materials** - Please bring the following to class every day:

- Completed Homework
- Planner
- A 1.5 inch or 2 inch, 3-ring binder
- A Folder
- Paper to take notes
- Calculator –The TI -30 series Scientific Calculator. (TI 30X A / TI 30X II S / TI 34 II) or Casio FX-115MS are recommended. These are NOT graphing calculators, but any one of them is less than \$20! Also, CVS and Walgreen's sell Scientific Calculators. Whatever calculator you purchase, it must have sin, cos, and tan buttons. **YOU DO NOT NEED A GRAPHING CALCULATOR FOR THIS COURSE.**
- Pencils or Pens

Extra Credit

Please don't ask us if there's anything you can do for extra credit. We don't give extra credit assignments.

We must also state that depending on how things unfold this year, we reserve the right to change things. If things will be changed, we promise to be very explicit about the changes.

