



William Howard Taft High School

A Wall-To-Wall International Baccalaureate School



Honors Geometry Syllabus 2017- 2018

Ms. Brauer (Rm. 339)

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Course Description

In this class, we will cover the concepts of Geometry with more emphasis on problem solving strategies. Geometry focuses on the topics of congruence, parallelism, perpendicularity, properties of polygons, similarity, and the relationships of circles, spheres, lines, and planes with respect to space as well as the plane. The use of algebraic skills is expected. This course addresses prerequisite skills needed for the study of further International Baccalaureate mathematics by increasing the depth and complexity. Expect to be engaged in higher-level learning.

Course Topics

Unit 1: Slope and Distance

Unit 2: Reasoning, Constructions and Angle Relationships

Unit 3: Circles

Unit 4: Transformations

Unit 5: Triangle Congruence

Unit 6: Triangle Similarity

Unit 7: Regular Polygons

Unit 8: Surface Area and Volume

Classroom Rules

1. Be on time and prepared for class every day.
2. Listen to others when they are talking.
3. Be an active participant in classroom discussions.
4. Work when it is work time.
5. Listen and follow directions.

Required Supplies

- ✓ Folder and/ or Binder
- ✓ Notebook
- ✓ Writing Utensils (pencils preferred)
- ✓ Texas Instruments Calculator (TI-30, TI-36, TI-83, or TI-84 is suggested)
***Cell Phones are not to be used as a calculator during class time**
- ✓ Compass

Cell Phone Use

Cell Phones are not to be used during class time unless otherwise specified. Additionally, ear buds and cords are not to be visible. If a student is using their phone during class, then they will need to put their phone into the cell phone bin and collect it after class. There will be select times based on student performance and allotted activities that students will be allowed to listen to music while working on individual assignments.

Grade Breakdown

50% Summative Assessments

30% Formative Assessments

20% Approaches to Learning (ATL)

**ATL includes preparedness for class, arriving on time with supplies and homework completed, being engaged in class work, and contributing to a learning environment.

**Conversion from MYP Rubric to
Percentage**

IB Criterion

Course Grading Scale:

A is 90% and above
B is 80 – 89%
C is 70 – 79%
D is 60 – 69%
F is 59% and below

IB MYP Score	Assigned Percent
8	100
7	95
6	90
5	85
4	80
3	75
2	70
1	65
0	50

Criterion A: Knowing and Understanding

Criterion B: Investigating Patterns

Criterion C: Communicating

Criterion D: Applying Mathematics in Real-Life Contexts

Hall Pass

A student may only leave the classroom with permission from the teacher and an official hall pass.

Tardiness

If students are not in the classroom by the time class starts and do not have a pass, they will be given a tardy. All students should enter the classroom respectfully and quietly especially if they enter class late. If you are late to class, please get started on the current task as quickly as possible. If there is an assignment to be turned in that has already been collected when you arrive, please place it on my desk. If you have a pass, please also leave that on my desk.

*****Cell phones and ear buds should not be visible when you enter the classroom since class will have begun if you are tardy.**

General Classroom Policies (Please consult the Taft handbook for school policies and procedures)

1. Maintain academic integrity.
2. Respect each other and yourselves.
3. Absences must be excused in order to make up missed assessments.
4. Absolutely no electronic devices should be visible or in use.

Late Work Policy

Any late work turned in will only be accepted by the **end of the current unit**. If a student will be participating in a “Save the Grade” workshop, the work assigned make-up work will involve assignments from the current unit.

If you are absent, it is your responsibility to make up any assignments missed.

1. Check the math blog to see what you missed: msbrauersmathblog.weebly.com
2. Email me at mabrauer@cps.edu if you have additional questions

Please talk to me to determine the amount of time that will be given to complete any assignments/assessments.

To check what assignments you are missing check the math blog (msbrauersmathblog.weebly.com), Gradebook, or email me at mabrauer@cps.edu.

Help

If a student needs help with any topic discussed in class, I am available periods 1, 5, 6, before and after school **by appointment**. You can sign up for an appointment on my website msbrauersmathblog.weebly.com under “Contact Ms. B”. If you have questions that can be answered through e-mail, my address is mabrauer@cps.edu.



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I, _____ (student), have read and have full understanding of the entire syllabus. I agree to abide by all of the classroom rules and CPS Student Code of Conduct.

Student Signature: _____ Date: _____

I, _____ (parent/guardian), have read and have full understanding of the entire syllabus. I agree to acknowledge all of the classroom rules and Student Code of Conduct.

Parent/Guardian Signature: _____ Date: _____

Please provide contact information:

1st Contact Name: _____

Phone #: _____

Email: _____

Best time to contact: _____ Do you prefer: ___ Phone ___ Email

2nd Contact Name: _____

Phone #: _____

Email: _____

Best time to contact: _____ Do you prefer: ___ Phone ___ Email