

# GHS Course Syllabus

## General Course Information

Subject: Geometry Year: 2018-2019

Department: Mathematics Room #: 115 Periods Taught: 1A, 3A, 1B, 2B

Course Title: Geometry

**Course Description:** The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the elementary and middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The six critical areas of focus are: Congruence, proof and constructions, Similarity, proof, and trigonometry, Extending to three dimensions, Connecting Algebra and Geometry through coordinates, Circles with and without coordinates, and Applications of probability. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**Faculty Name:** Emily McGinley  
Bachelor of Science in Mathematics  
Master of Arts in Teaching

**Course/Faculty Website:** <http://bit.ly/hmhhsd> (use your Hillsboro District username & password)  
**Username:** full email address (first 4 of last name + first letter of first name + last three of student id + @hsd.k12.or.us)  
**Password (default):** first 4 of last name + last 3 of student ID + 4 digit graduation year

**Office Hours:** 8:00-8:30am and 3:30-4:00pm

**Welcome/Introduction to Course:** Internet access is available at school during the school day and in the school library before and after school, during Homework Club, and at the Hillsboro Public Library.

**Note to Parents:** You can contact me through voicemail at (503) 844-1900 ext. 73144 or e-mail at [mcginlee@hsd.k12.or.us](mailto:mcginlee@hsd.k12.or.us)

## Learning Outcomes

**Course Objectives:** Course objectives are consistent with the Common Core State Standards for Mathematics. A detailed explanation of these standards can be found on the Oregon Department of Education website at <https://www.ode.state.or.us/wma/teachlearn/commoncore/ccssmath.pdf>

Students in this class will learn and be expected to:

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

## Readings

**Required Text:** Geometry (Houghton Mifflin Harcourt)

**Supplies Needed:** Bring your notebook, paper, pencil, ruler, compass, protractor, and scientific calculator to class each day.

## **Grading & Plagiarism**

Grading Categories & Percentages: Summative Assessment (80%): Tests & Quizzes  
Formative Assessment (20%): Homework & Classwork  
Grades are posted on Synergy at <https://myvue.hsd.k12.or.us>

Grading Scale:	90 - 100%	=	A
	80 - 89.9%	=	B
	70 - 79.9%	=	C
	60 - 69.9%	=	D
	50 - 59.9%	=	F

Late Work Policy: Homework is due on the announced due date. Late work will be penalized.

Re-take Policy: You may re-take any test for a maximum of a "C" grade. To be eligible for the re-take, all of your homework assignments for that unit must be completed and turned in.

Make-up Work Policy: Exams must be made up on your own time, either before or after school. Please make an appointment.

Cheating/Plagiarism Policy: Cheating/plagiarism is not tolerated and will be subject to disciplinary action.

Course Schedule/Outline: The following units are tentatively planned for this course. However, depending on student skills and progress, the schedule for this course is subject to change.

1<sup>st</sup> Semester:

- Unit 1 – Transformation and Congruence
- Unit 2 – Lines, Angles, and Triangles
- Unit 3 – Quadrilaterals and Coordinate Proof
- Unit 4 – Similarity

2<sup>nd</sup> Semester:

- Unit 5 – Trigonometry
- Unit 6 – Properties of Circles
- Unit 7 – Measurement and Modeling in Two and Three Dimensions
- Unit 8 – Probability

Classroom Conduct: All students and the teacher will work together to maintain a safe, supportive environment conducive to learning by showing respect for others – student to student, student to teacher, and teacher to student.

***Students and Parents/Guardians – Please provide your signature below indicating you have read and understand the requirements and expectations of this course.***

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Student Signature & Date

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Parent/Guardian Signature & Date