

GHS Course Syllabus  
Geometry

**General Course Information**

Subject: Mathematics

Year: 2016-2017

Department: Mathematics Room #: 110 Periods Taught: 2, 4, 6, 7, 8  
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.

**Course Materials** Computer Log in  
HSD Username – first 4 of last name + first letter of first name + last three of student ID#  
HSD Password – first 4 of last + last three of student ID #

Houghton Mifflin Harcourt – Geometry Online at [my.hrw.com](http://my.hrw.com)  
Username: same as HSD username (first 4 of last name + first letter of first name + last three of student id)  
Password: first letter of first name (lower case) + first letter of last name (upper case) + student ID + \$ (dollar sign)

*Content is available online. Students will be responsible for knowing their username and password to access content. Students will have access to content via Chromebooks in class and on school computers at school. Non online resources will be available upon request.*

**Faculty Name:** Christopher Flores  
Bachelor of Science in Mathematics from Linfield College, McMinnville OR  
Master of Arts in teaching from George Fox University, Newberg OR

**Office Hours:** 8:00 AM – 4:00 PM (Exception – to 3:30 PM during football season)

**Note to Parents:** Email at any time for grade updates, questions, concerns or comments:  
[floresch@hsd.k12.or.us](mailto:floresch@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 <http://www.ode.state.or.us/teachlearn/real/documents/ccssmg.pdf>

**Course Topics of Study** **Semester 1**  
Transformations / Rigid Motions  
Lines, Angles and Triangles  
Quadrilaterals and Coordinate Proof  
Similarity

## **Semester 2**

Similarity (continued)

Trigonometry

Properties of Circles

Measurement and Modeling in Two and Three Dimensions

Probability

**Supplies Needed:** Students will need a notebook or composition book for notes, paper, pencil, ruler, protractor, and a scientific calculator. Optional – headphones, flash drive, computer mouse, compass, color pencils.

### **Grading & Plagiarism**

**Grading Categories & Percentages:** 20% Formative Practice  
80% Summative Assessments

**Grading Scale:** A (90 – 100%); B (80 – 89.9%); C (70 – 79.9%); D (60 – 69.9%); F (50 - 59.9%)

**Late Work Policy** Work is expected to be submitted on time. Any work submitted after the due date or without prior arrangements made with the teacher is subject to a deduction in credit.

**Make-up Work Policy:** As per the student handbook, students with absences are allowed one more day than the number of days absent to complete and submit any assigned make-up work. Students are responsible for collecting missing work after their absence. Make up tests must be completed outside classroom time (before or after school, in testing center)

**Test Make-Up and Re-Take Test Policy:** As per the student handbook, students who are missing a unit test have 10 days to make up the missing test for full credit. After 10 days, the test can be made up for maximum grade of 75%. Students who need to retake tests or raise their test grade will need to complete test corrections to their original test on separate paper (showing all necessary work). Retake tests must be done on student's own time (before or after school, in testing center) allowing 24 hour notice to the teacher prior to the test. Test corrections can earn a maximum grade of 75%.

**No Grade / Incomplete Grade** Students who are missing or failing one of their summative assessments at the end of a semester may apply to complete a no grade project to possibly improve a grade to passing if possible. Students who are absent for a significant period of time and are endanger of failing may receive an incomplete grade.

**Cheating/Plagiarism Policy:** Cheating/plagiarism will not be tolerated. Any student caught cheating will receive discipline action in accordance to school district regulations.

**Technology in the Classroom** In this course students will have the privilege to use internet devices in correspondence to daily work. Students will be assigned devices to access the internet and will be responsible for their care and use of that device when they are used in class. Since students will have access to video and audio content, students are encouraged to bring headphones to hear the audio. Proper conduct is expected when using electronic devices and is outlined below. Students with personal laptop computers, tablets, or other devices that have internet capability may be brought to class and used, but they are the responsibility of the owner for their care and use. Misuse of technology can and will result in restricted use of that technology including complete loss of privilege (this includes personal devices).

**Technology Conduct** In the course of this class, students will be given time to use access and use technology in the classroom. Students will be assigned a device to use and it will be their responsibility to obtain, use, maintain, and return the device before leaving classroom. Should students discover something wrong with their assigned device, the problem should be reported immediately. Devices are used in multiple classes and need to be properly cared for so all students may use them. Students who bring their own devices are responsible for their use and care in class. It is important to use these devices responsibly and for the purpose of meeting the day's learning objective. Misuse of electronic devices include but not limited to the following:

- Accessing websites that are NOT course related without prior permission.
- Using devices outside time allocated to working with electronic devices.
- Any activity that disrupts or distracts others from learning.
- Improper care or handling of the electronic device.
- Refusal to comply with teacher instructions on use.

Failure to comply with conduct of the use of these devices will result in the following:

- First offense – Verbal warning.
- Second offense – Temporary loss of use of device in class. Communication with parent/guardian.
- Third offense – Loss of use of devices in class (temporary or permanent). Communication to parent/guardian and a referral.

Note: Loss of use of device include personal devices brought to class.

**Participation**

Attendance and participation are essential for success in this course. Keeping a detailed notebook and doing the daily practice will be the best way to ensure retention for exams. Excess absences and tardy days will likely lead to poor performance on tests, therefore a poor overall grade. Time to work on practice will be given each day and students will be expected make use of that time. Finally, students will be expected to participate in class discussions during the lesson each day.

**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 who fail to conduct themselves with respect will be subject to discipline and further action.

Daily Routine:

- Attendance and review/prepare Cornell notes
  - Study time on current objective (concept of the day).
  - Class notes & guided examples
  - Review & practice
- Any incomplete practice will be considered homework due by the next class.

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

---

Student Signature & Date

---

Parent/Guardian Signature & Date