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# GEOMETRY SYLLABUS 2017-18

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Cascade High School

## Mr. Groesbeck's Geometry Class

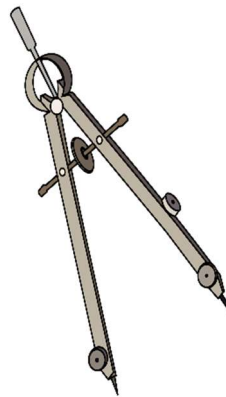
Welcome to Geometry! I am looking forward to a year full of growth and learning. Geometry is aligned with the national Common Core Standards. You will study and learn the critical elements of geometry which include ideas of congruence, similarity, proof, constructions and trigonometry. Additional ideas include extending to three-dimensions, connecting algebra to geometry through coordinates, circles, and applications of probability. It seems like we couldn't possibly fit all that fun into one year, but we will! Successfully completing Geometry as well as passing a state mandated assessment is required for graduation.

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### What We'll Learn

1. Probability
2. Constructions
3. Transformations
4. Parallel and Perpendicular Lines
5. Congruent Polygons
6. Similarity
7. Right Triangle Trigonometry
8. Geometric Measurement and Dimensions
9. Circles

### Materials Needed



#### Required:

- Spiral Notebook
- Pencil
- Compass (to draw circles)
- Scientific/graphing calculator

#### Suggested but not required:

- Ruler and protractor
- Scotch tape
- Colored pencils/markers

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### #Top 5 Tips

1. Everyone can learn Math to the highest levels
2. Mistakes are valuable
3. Questions are really important
4. Depth is much more important than speed
5. Math class is about learning, not performing

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### Contact Info

**E-mail:** [lgroesbeck@everettsd.org](mailto:lgroesbeck@everettsd.org)

**Telephone:** (425) 385-6121

**Website:** [www.everettsd.org/chs-lgroesbeck](http://www.everettsd.org/chs-lgroesbeck)

### Extra Help

I am available before/after school almost every day. Check with me in class or send an email to make sure that I don't have a meeting on the day you want to come in. I am here to help so don't be scared to ask for it!

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## Grading System

Assessments and assignments are attached to a standard (for example, “Basic Constructions”). Standards quizzes and retakes will happen every other week (usually on Friday), while projects and problem tasks will be interspersed throughout the year. All are graded using a rubric scale from 0-4. You earn a grade for what you know. Your job is to convince me of your understanding. Don’t like your score? No problem! You will retake any standard to show me you understand it better. Retake will happen in class at least once per standard. If you would like to retake a standard outside of class, there are some guidelines in place.\*\*



### Rubric Scale

<b>A</b>	Advanced understanding of the concept without mistakes
<b>A-</b>	Advanced understanding of the concept, but small algebraic or arithmetic error
<b>B</b>	Proficient understanding of the concept but making mistakes
<b>C</b>	Basic understanding of the concept but needing practice
<b>NE</b>	Not enough Evidence to show understanding yet and need to retake

1. You cannot get tutoring and retake on the same day.
2. You can’t retake more than two standards at once.
3. You must show me your completed practice for the skill before retaking.
4. You can retake any standard until about a week before the end of the quarter. I will give you the exact date each quarter. (That’s just to allow me enough time to grade and enter all the scores into the gradebook.

**\*\*Out-of-Class Retake Fine Points**

Other symbols that you might see are **AB** for absent, **M** for missing, and **NE** for not enough evidence. I expect you to attempt every graded assessment. During the semester, if you have incomplete or missing assessments, your overall grade will be shown as incomplete as well.

## Electronics Policy

Electronics will sometimes be used for instructional purposes but should not be used otherwise. On assessment days, if you use or have an electronic device (i.e. cell phone, iPod, headphones, etc.) at any time during the class period or if you use formulas/notes not approved by the teacher, you will receive a referral to the office for cheating.



# CHS Geometry Syllabus – Mr. Groesbeck

## SIGNATURE SHEET

Student Contact Information:

Name: \_\_\_\_\_

Please return this signature sheet to your teacher as soon as possible. Your signatures below acknowledge receipt and understanding of the course outline.

We have read and understand the course rules/standards and I (student) will abide by the rules/standards and consequences established in these materials.

\_\_\_\_\_

Student Signature

\_\_\_\_\_

Parent/Guardian Signature

Primary Parent Contact Information

Name: \_\_\_\_\_

Best Day Phone: \_\_\_\_\_

Best Night Phone: \_\_\_\_\_

Parent Email Address: \_\_\_\_\_

**Please check LMS online Gradebook regularly to check on your student's progress.**