Principles of Geometry
Course Syllabus

Teacher: Jessica Van Galen

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Class Info: Period 1 and 9
Room 230

Google Classroom Code: xgeuh9p

Course Description:

This course will cover various Geometry topics and principles, including coordinate and spatial geometry, introductory trigonometry, angles, parallel lines, congruent and similar triangles, polygons and other figures, circles, the Pythagorean Theorem, etc. We will also focus on problems that serve to review our Algebra skills and continue to develop our critical thinking skills through various problem-solving and real-world situations.

Objectives/Goals:

By the end of this course, students will be able to...

- Utilize various geometric tools appropriately
- Understand and apply geometric theorems
- Apply geometric concepts in modeling situations
- Gain a deeper understanding of various Algebra skills
- Experiment with transformations in the plane
- Apply trigonometry to general triangles
- Identify various formulas and use them to solve problems
- Visualize relationships between two-dimensional and three-dimensional objects

Course Topics:

Unit	Topic
1	Introduction
2	Lines and Inverse Operations
3	Area and Perimeter
4	Transformations
5	Quadratics
6	Angles and Triangles
7	Triangle Similarity
8	Polygons and 3D Figures
9	Circles

Required Materials:

- Binder
- Pen/Pencil
- Class notes and homework (Unit Packets)
- Literacy Notebook

** All notes, class assignments, and homework assignments will be posted on Google Classroom. If you misplace your copy, it is your responsibility to print out a replacement.

Helpful Materials:

- Free online calculator:
  - https://www.desmos.com/calculator

- Geometry Resources:
  - http://mathbitsnotebook.com

Grading Distribution:

Your grade for this course will be determined by:

Assessments	45%
Classwork	45%
Homework	10%

Attendance:

It is very important that you attend class *every day*. Class attendance is part of your grade through daily Do Nows, participation, and classwork. If you are absent, it is your responsibility to get any missed notes and make up all missed homework, classwork, quizzes, or tests. If you are absent, you will have the number of days you were absent to make up and hand in all assignments. For example, if you are absent for 3 days, you will have 3 days to make up the work and turn it in on the 4th day. Missed quizzes must be made up within two days and tests must be made up within a week of returning from an absence. You are responsible for scheduling a time outside of class to make up all assessments. If you fail to do this and do not hand in any missed homework, classwork, quizzes, or tests, you will receive a 0.

Homework:

Homework will be mostly online. It will be assigned every Monday and it is expected to be completed by the following Monday. For homework, we will be using the ALEKS or Delta Math programs (both online). For ALEKS, your assignment will be to complete two hours and ten topics each week. For Delta Math, you will be given a specific assignment to complete. The two lowest homework grades will be dropped every quarter.

Quizzes:
In lieu of giving homework over the weekend, there will usually be a short weekly quiz every Friday. These quizzes will cover the skills and material learned during the week. If you are absent the day of a quiz, you will have two days to make it up when you return.

Tests:
A full-period exam will be given at the end of certain units. Each test will include both multiple choice and extended response questions. If you are absent the day of an exam, you will have one week to make it up when you return. Test corrections will be available after every test for students to earn back up to half of the points they lost. These corrections will be due one week after the test has been handed back. Test corrections will include correcting the incorrect work, a written explanation of the error that was made, and a written reflection.

Checkpoints:
Short assessments will be given throughout the year to gauge your understanding of the standards and content that we are learning in class. These assessment will not be graded, but they will count for a participation grade. They are meant to assess your understanding and further guide out teaching practices on the standards.

Projects:
Projects will be assigned as the end-of-unit assessments for many units. These projects will enhance your understanding of Geometry skills and concepts and demonstrate their applications in the real world.

Extra Help:
I am available for callback every day in Room 230. I am also available after school at EBA.

Classroom Rules/Expectations:
In class, you are expected to follow all of the rules of Peekskill High School. You are also expected to:

- Be in your seat and working on the Do Now when the bell rings
- Be prepared every day with all materials, an open mind, and a good attitude
- Take notes and participate in the lesson/activity
- Put and keep away all electronic devices
- Respect everyone and their belongings
- Work together!

BE RESPONSIBLE BE RESPECTFUL BE SAFE

** On the following page is a signature page that states that you and a parent/guardian have read and acknowledged everything on this syllabus. Please read it over with your parents/guardians and hand it in by **Friday, September 13th**. It will count as your first homework grade.

Parent/Guardian and Student Acknowledgement of Class Syllabus:
We have read the Principles of Geometry Syllabus. We understand what is expected in this class and will do what is asked to the best of our abilities.

If you have any questions, please feel free to contact me. Please hand in this signed form by **Friday, September 13th**. It will count as the first homework assignment grade.

_____

Student's Name

_____

Student's Signature

_____

Parent/Guardian's Name

_____

Parent/Guardian's Signature

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Parent/Guardian's Email

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Parent/Guardian's Phone