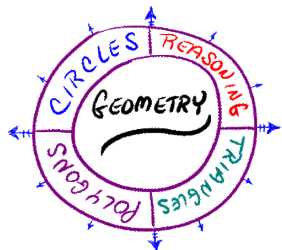# Intro to Geometry: Course Syllabus

Welcome to Intro. to Geometry!

Course Description: We will be studying some of the units listed below, but not all. The goal of this class is to give you a strong foundation in basic geometry concepts to prepare you for Core Geometry next year.

Unit One: Congruence, Proof, and Constructions
Unit Two: Similarity, Proof, and Trigonometry
Unit Three: Extending to Three Dimensions
Unit Four: Connecting Algebra and Geometry Through Coordinates
Unit Five: Circles With and Without Coordinates
Unit Six: Applications of Probability

In addition to the topics of study, we will try to strengthen the following mathematical practices:

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

What does all of this mean for you??? In order to be successful in this course, you will need to:

1. Be an active learner: Pay attention, take notes, ask questions (don't be afraid to make mistakes – we all do ☺), participate, discuss, debate, think, etc. (All of this requires that you stay awake! ☺)

2. Be a responsible student. Bring your supplies to class each day. Show you are really striving to understand and learn by being a contributing group member when working with your peers and proactively seeking help when you have questions. Be an honest worker: copied work, whether it is homework, a quiz, or a test, does not help you learn geometry and will not be accepted for credit.

3. Do the things respectful people do. Be in your seat ready to work when the bell rings, listen while others are speaking. Keep cell phones and music devices put away. Keep trips that take you out of class to a minimum. Do not bring food or drink, other than water, to class.

Required Materials:

The following materials are to be brought to class each day.

1. **Scientific Calculator** (TI-30X IIS recommended) or a graphing calculator (TI-83 or 84 family) if you have one or will need it in the future.
2. 1.5 or 2- inch 3-ring binder
3. Protractor w/ ruler measurements along the bottom
4. Compass (the thing that draws circles ☺)
5. Divider Tabs
6. Pencil and colored pen
7. Loose-leaf lined paper in your binder
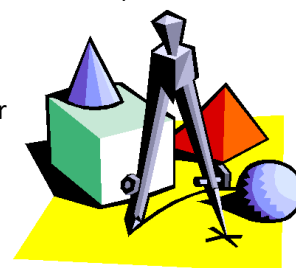
Intro to Geometry: Course Syllabus
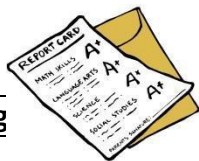
Letter Grade	Percentage
A	100-91.5
A-	91.49-89.5
B+	89.49-86.5
B	86.49-82.5
B-	82.49-79.5
C+	79.49-76.5
C	76.49-72.5
C-	72.49-69.5
D+	69.49-66.5
D	66.49-62.5
D-	62.49-59.5
F	0-59.49

Grading Procedures:

Grades will be averaged from a variety of assignments such as in-class work, homework, tests, and quizzes. These assignments will be completed either individually or in partners or groups. Homework is due and will be checked daily, some assignments will be collected.

Grades will be updated and calculated on the Portal. You and your parents can access information about your grades by logging in there.

The grading scale used will be the official PVHS scale to the right. Semester grades will be calculated by weighting each quarter at 44% and the semester exam at 12%.

Late Work: All missing assignments will be given full credit if turned in on or before the Unit Test. Any work turned in after the Unit Test will NOT be given any credit.

Planned/Unplanned Absence: If a student misses class, it is his or her responsibility to obtain the material missed from the teacher and/or Google Classroom. A student who misses an in-class activity, quiz, or test will need to make it up during 8th period Resource or study hall.

Extra Help/Resources:

If, at any time, you need math help, please let me know. I am more than willing to meet with you during most 8th periods and will probably have some suggestions for you about where you can find other additional help or resources, too. Don't be afraid to ask for help. I want you to do well!