



**Public Academy for Performing Arts
Course Syllabus 2019-2020**

Course Name: Geometry

Teacher: Mrs. Westerfield

Room: 8 **Period:** 2nd, 3rd, 5th

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School website/link: <http://www.paparts.org/>

Prep period: 7th period

Welcome to our 2019-2020 school year here at PAPA!!!

Course Description:	
This is a one year course to develop and practice problem-solving skills using inductive and deductive reasoning. Students are guided through all the conceptual and working levels of the process using geometry. It uses two and three-dimensional geometric shapes (points, lines, planes, triangles, polygons, circles, and solids) and examines their properties, measurements, and mutual relations in space. Geometric- proofs are used as a vehicle to systematically develop these problem solving skills by relating geometric shapes. The eight mathematical practices will be embedded into each of the areas of mathematics.	
Objectives for this course	
<ul style="list-style-type: none"> *Students will demonstrate knowledge of geometry and its applications in the real world. *Students will know how to communicate geometric ideas in the language of the mathematician. *Students will apply appropriate techniques, tools, and formulas to determine measurements. *Students will select and use units of appropriate size and type to measure angles, perimeter, area, and volume *Students will gain a more profound understanding of measurement and geometry. 	
Teaching style for this course	
I will do my best to help you all reach the top of the pyramid of Bloom's Taxonomy and Webb's Depth of Knowledge within this course. We will spend about 2/3 rd s of class time applying and analyzing knowledge (DOK 2-3) and the other 1/3 rd of class time creating/evaluating information (DOK4). The best way to learn math is to do math. *Grades will nearly always be in PowerSchool by Sunday evenings for the previous week's assignments.	
Grading:	Classroom Expectations:
40% -Homework and <i>daily</i> assignments 40% -Tests/Quizzes/Projects 10% -Participation 10% -Attendance Attendance in class is NOT an OPTION!!! We WILL do work in class EVERY DAY . If you are ever absent, it is YOUR responsibility to ask for missing work and to get it in THE NEXT DAY.	Be respectful Be responsible Be ready for class Be reliable Be a role model Purses, bags, and backpacks are NOT allowed on top of the tables!
Required Materials: ALL materials should be brought to class on a daily basis.	
+One three ring binder at least three dividers +Graph ruled spiral notebook +Quad filler paper (160ct) +Ruler/straight-edge +LOTS of pencils, two color pen, and eraser +Color markers + Compass/protractor + Scientific calculator (recommended calculator: TI 83+ or TI 84)	
Textbooks and resources used by teacher	

Pearson Geometry CC textbook (Two books will be provided one for the classroom and one for home use)
Problem based tasks for Mathematics I (Walch Education)
Holt Geometry textbook for additional practice
Teacher worksheets created

Homework Policy

Students will have homework almost every day. You have to practice math problems to learn the concepts.
Late work is accepted but penalized by 15% off from the final assignment grade.

Students have *three weeks* from the due date to turn in late work but cannot submit corrections and will be penalized by 15% off the final assignment grade.

Students will have *two weeks* from the due date to make corrections on their homework and submit for re-grading.

Test Policy

Corrections on tests are up to the discretion of the teacher and will not be offered on every test. You are expected to pass every test without having to rely on corrections.

If corrections are allowed for an exam, the student will have *one week* from the return of the test to submit corrections. If the corrections are right, they will be worth 50% of the original points.

A seating chart will be enforced daily.