



**Public Academy for Performing Arts
Course Syllabus 2020-2021**

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 2020-2021 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 could be 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 and the standards taught will be taken from the Common Core State Standards for 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, IXL, Khan Academy, and <i>daily</i> assignments 40% -Tests/Quizzes/Projects 20% -Participation and 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. <i>To receive credit, you must show all of your work on all assignments -e.g. classwork, HW and/or tests-</i>	Be respectful Be responsible Be ready for class Be reliable Be a role model Cell phones will be removed if seen or heard 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 pens, color markers, and eraser +Compass/protractor + Scientific calculator (recommended calculator: TI 83+ or TI 84)	

Textbooks and resources used in this class

Pearson Geometry CC textbook (Two books will be provided one for the classroom and one for home use)
Holt Geometry textbook for additional practice
IXL & Khan Academy website
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 late 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.

Please note that if not stated otherwise, all of the above information is valid for all phases of this school year. The following is what you need to know about each of the COVID-19 phases:

REMOTE LEARNING:

- Zoom meetings: students are required to attend Zoom meetings and/or use the class period to complete assigned practice. This count as participation and attendance grading. Meetings will be Tuesdays & Thursdays and every other Monday. (Please note that the Zoom schedule is subject to change, as necessary.)

- IXL - Khan Academy: students will be assigned homework activities to practice the skills of the week. This count as homework grade. Link to video to help you started with IXL: <https://youtu.be/hZfcfrzREaI>

- ***While working remotely***, students will not always be required to show their work on each assignment. Teacher will specify when this is necessary within the directions of each task.

HYBRID:

- Zoom meetings: Students are required to attend Zoom meetings and/or use the class period to complete assigned practice. This count as participation and attendance grading. Days TBD.

- IXL - Khan Academy: students will be assigned homework activities to practice the skills of the week. This count as homework grade.

- ***While working in a hybrid phase***, students will not always be required to show their work on each assignment. Teacher will specify when this is necessary within the directions of each task.

FULL RE-ENTRY:

Once we have returned to school, we will fully follow the above syllabus - boxes at the top-