



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

Course Name: Algebra 1

Teacher: Mrs. Westerfield

Room: 8 **Period:** 4th

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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 algebra course allows the student to use problem solving, visual learning, big ideas, interactive learning and differentiated instruction to master the Algebra 1 Common Core State Standards for mathematics. The student will be expected to utilize the following mathematical practices:

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

Objectives for this course

- * Students will demonstrate strong problem solving and reasoning skills to develop mathematical proficiency.
- * Students will simplify and/or solve a wide variety of number and algebraic expressions (including exponents and radicals).
- * Students will understand linear functions, graphs, inequalities and solve linear and systems of equations.
- * Students will represent, describe and compare data sets.
- * Students will understand quadratic functions, their graphs and solve quadratic equations.

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 2/3rds of class time applying and analyzing knowledge (DOK 2-3) and the other 1/3rd of class time creating/evaluating information (DOK4). Ultimately, I think 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:

- 40% -Homework, IXL, Khan Academy, and *daily* 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.

To receive credit, you must show all of your work on all assignments -e.g. classwork, HW and/or tests-

Classroom Expectations:

- 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 two dividers
- +Quad filler paper (160ct)
- +LOTS of pencils, two color pen, color markers, and erasers
- +Scientific/graphing calculator (recommended calculator: TI 83+ or TI 84)
- +Ruler/straight-edge

Textbooks and resources used in this class

PEARSON ALGEBRA 1 (Two books will be provided one for the classroom and one for home use)
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 Mondays & Wednesdays, and every other Thursday. (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-