For Grade 7 students going into Geometry Honors

We hope this communication finds you well. As the school year winds down, we want to take the opportunity to say "thank you" for all the support you have given us throughout the school year. We are appreciative of all the efforts you have made to keep your child on track with his/her learning.

As summer approaches, teachers are always asked about the "summer slide." This is especially true for this year. There is no magic potion to combat summer slide. Our suggestion to you is to have your child continue to read various types of literature and to continue to practice math skills. However, if you are looking for more concrete activities, we have developed some for you.

These suggested summer activities are not mandatory; they will not be collected nor graded. The activities and resources are offered to you in the event you are seeking grade appropriate and standards-based practice to help maintain skills over the summer months.

Prerequisite Skills via Khan Academy

Below you will find a list of Pre-Requisites that have been highlighted by the 8th grade teachers as a great review of prior knowledge. Each skill is linked to a Khan Academy mini-course that will go through several videos and give opportunities to practice problems. To get to the courses, please hold down "control" and then click on the title.

Solving Equations and Inequalities:

Linear Equations with Parenthesis	Number of Solutions
Compound Inequalities	

Linear Equations and Graphs:

Graphing in Slope-Intercept	Writing Slope-Intercept Equations

Systems of Equations:

Solving Using Substitution	Solving Using Elimination
Number of Solutions	

Functions:

Function Notation	Domain & Range

Exponents:

Exponent Properties	Radicals
Simplifying Square Roots	Exponential Growth and Decay
Linear vs. Exponential	

Quadratics:

Multiplying Binomials	Special Products of Binomials
Factoring Quadratics	Factoring by Grouping
Factoring Difference of Squares	Factoring Perfect Squares
Zero Product Property	Solving with Square Roots
Solving by Factoring	The Quadratic Formula

*For more skills please feel free to check out the full Algebra curriculum using the following link.(https://www.khanacademy.org/math/algebra)

Before taking your first course, please follow the directions below to join the 8th grade Geometry class.

Khan Academy

How to join your teacher's Khan Academy class

(1) Go to khanacademy.org/join

(2) Enter your class code and press "Add".

Class code: __YVEPAEJE_____

(3) If you don't already have an account, press "Create a new account". Enter your date of birth, then sign up using Google, your school email, or by creating a username.

(4) Enter your grade and course. Now you're ready to start learning!