

## PHCS Summer Math Work – Rising Algebra II



Dear Parents & Students:

Summer is a time to relax, spend time with family, and hopefully explore new places. We want all students to have a fun filled engaging summer. In addition to the fun, we want to help students continue to think and problem solve through the summer. On average students lose approximately 2.6 months of grade-level equivalency in mathematical computation skills during the summer months. This is the reason we are asking all students to participate in the Summer Math Work Challenge. The challenge is broken down into five weeks. While students may complete skills during any week in the summer, we ask that skills are spread out rather than waiting until right before coming back to school. The purpose of the summer work challenge is to prepare students for next year's math course.

Each teacher carefully chose 20 IXL skills to refresh and prepare for the next level of mathematics. All 20 skills should be completed prior to the first day of the 2023-2024 school year. Summer Work is required and will count for an accountability grade first quarter. Not completing the Summer Math Work Challenge may also affect math placement for the 2023-2024 school year. Let's keep our skills sharp. Have a great summer!

	Skill	IXL	Date Completed
<b>Week 1</b>			
1	<a href="#">Relations: convert between tables, graphs, mappings, and lists of points</a>	RBG	
2	<a href="#">Solve equations with variables on both sides</a>	7S7	
3	<a href="#">Identify Linear and Nonlinear Functions: Graphs and Equations</a>	XB8	
4	<a href="#">Solve systems of linear equations</a>	76G	
<b>Week 2</b>			
5	<a href="#">Solve Equations Mixed Review</a>	HZZ	
6	<a href="#">Solve One-step and Two-step Equations: Word Problems</a>	HCP	
7	<a href="#">Graph a Line From an Equation in Slope-Intercept Form</a>	W5E	
8	<a href="#">Write an Equation from a Slope and a Point</a>	VKP	
<b>Week 3</b>			
9	<a href="#">Solve a quadratic equation by factoring</a>	ENU	
10	<a href="#">Solve a system of equations using elimination</a>	A48	
11	<a href="#">Solve a System of Equations by Graphing: Word Problems</a>	W9J	
12	<a href="#">Identify Equivalent Linear Expressions I</a>	RUK	
<b>Week 4</b>			
13	<a href="#">Multiply two binomials</a>	M7Q	
14	<a href="#">Solve linear equations</a>	PHF	
15	<a href="#">Add and subtract polynomials</a>	5EK	
16	<a href="#">Equations of lines</a>	Q98	
<b>Week 5</b>			
17	<a href="#">Factor polynomials</a>	TAH	
18	<a href="#">Translations of functions</a>	9EE	
19	<a href="#">Multiply polynomials</a>	58A	
20	<a href="#">Solve advanced linear equations</a>	28N	