February 25, 2015

Dear Families,

As our class comes to the end of the chapter on Systems of Linear Equations, I am offering two assessment options. Please discuss with your child which version of the assessment you both feel would accurately display the student's understanding of the content. I have also included for you the Big Idea, Common Core Standards, and Objectives that would be assessed for you to review if you wish. These were sent home at the beginning of the chapter.

Please indicate below which version of the assessment has been discussed and selected for:

Student Name: _____ will be completing the:

☐ Chapter 5 Systems of Linear Equations Test

☐ Project-Based Choice Board

Student Signature: _____

Parent Signature: _____

Date:_____

The completed assessment is due on Tuesday, March 3rd. A one hour class block will be available on Monday, March 2nd to work on assessments. The rest of the assessment must be completed outside of class. I will be available Monday, March 2nd after school from 3-4 PM to answer any questions.

Sincerely,
Ms. Parkes

Course 3
Chapter 5: Systems of Linear Equations

Big Idea

A system of linear equations may have a unique solution. It can be solved using the elimination, substitution, or graphical methods.

Common Core Standards

CCSS.MATH.CONTENT.8.EE.C.8
Analyze and solve pairs of simultaneous linear equations.

> CCSS.MATH.CONTENT.8.EE.C.8.A
> Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.
>
> CCSS.MATH.CONTENT.8.EE.C.8.B
> Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. For example, $3x + 2y = 5$ and $3x + 2y = 6$ have no solution because $3x + 2y$ cannot simultaneously be 5 and 6.
>
> CCSS.MATH.CONTENT.8.EE.C.8.C
> Solve real-world and mathematical problems leading to two linear equations in two variables. For example, given coordinates for two pairs of points, determine whether the line through the first pair of points intersects the line through the second pair.

Objectives

Common Core Standard	Skill Objective	Section Topic Covered
8.EE.8a	Understand systems of linear equations.	5.1 Introduction to Systems of Linear Equations
8.EE.8b	Solve systems of linear equations using the elimination method.	5.2 Solving Systems of Linear Equations using Algebraic Methods
8.EE.8b	Solve systems of linear equations using the substitution method.	5.2 Solving Systems of Linear Equations using Algebraic Methods
8.EE.8c	Solve real-world problems using systems of linear equations.	5.3 Real-World Problems: Systems of Linear Equations
8.EE.8a	Solve systems of linear equations using the graphical method.	5.4 Solving Systems of Linear Equations by Graphing
8.EE.8	Understand and identify inconsistent systems of linear equations.	5.5 Inconsistent and Dependent Systems of Linear Equations
8.EE.8	Understand and identify dependent systems of linear equations.	5.5 Inconsistent and Dependent Systems of Linear Equations