

Teacher: Walczyk

Course: Foundations in Algebra

Period(s): 1

Week of: 4/30/18

Unit Title: Systems of Linear Equations & Inequalities
State Standards: FA.AREI.5, FA.AREI.6, FA.AREI.11

	Standards	Goals As a result of this lesson the student will be able to:	Instructional Plan Activities (aligned, sequenced, build, time)	Student Work (Thinking & Problem Solving, Real World)	Assessment (aligned, rubrics, >2, written)	Grouping Method	Materials	Accommodations (IEP, 504, ESOL)
Monday	FA.AREI.5 FA.AREI.6 FA.AREI.11	Justify that the solution to a system of linear equations is not changed when one of the equations is replaced by a linear combination of the other equation. Solve systems of linear equations algebraically and graphically focusing on pairs of linear equations in two variables. Solve an equation of the form $f(x) = g(x)$ graphically by identifying the x-coordinate(s) of the point(s) of intersection of the graphs of $y=f(x)$ and $y=g(x)$.	CS5.1 – Solve Systems of Equations by Graphing	Take notes on CS5.1 <ul style="list-style-type: none">Identify solutions of systems of linear equations in two variables.Solve systems of linear equations in two variables by graphing. Actively complete CS5.1 worksheet.	Walk room to ensure adequate notetaking. Assist during worksheet completion.	Whole group Individual Small group	CS5.1 Notes CS5.1 worksheets Calculators	Applies to IEP/504 Priority seating Modeling, Pair with partners as needed
Tuesday	FA.AREI.6 FA.AREI.11	Solve systems of linear equations algebraically and graphically focusing on pairs of linear equations in two variables. a) Solve systems of linear equations by substitution. Solve an equation of the form $f(x) = g(x)$ graphically by identifying the x-coordinate(s) of the point(s) of intersection of the graphs of $y=f(x)$ and $y=g(x)$.	Review CS5.1 Chapter 5.2 – Solve Systems by Substitution	Participation CS5.1 worksheet review. Take notes on CS5.2 <ul style="list-style-type: none">Solve systems of linear equations by substitution Actively complete CS5.2 worksheet.	Performance on worksheet 5.1 Walk room to ensure adequate notetaking. Assist during worksheet completion.	Whole group, Individual, small group	CS5.2 Notes CS5.2 worksheets Calculators	Applies to IEP/504 Priority seating Modeling, pair up with partners
Wednesday	FA.AREI.6 FA.AREI.11	Solve systems of linear equations algebraically and graphically focusing on pairs of linear equations in two variables. b) Solve systems of linear equations by elimination. Solve an equation of the form $f(x) = g(x)$ graphically by identifying the x-coordinate(s) of the point(s) of intersection of the graphs of $y=f(x)$ and $y=g(x)$.	Review worksheet 5.2 Chapter 5.3 – Solving Systems by Elimination	Participation CS5.2 worksheet review. Take notes on CS5.3 <ul style="list-style-type: none">Solve systems of linear equations by elimination Actively complete CS5.3 worksheet	Performance on worksheet review. Walk room to ensure adequate notetaking. Assist during worksheet completion.	Whole group, Individual, small group	CS5.3 Notes CS5.3 worksheets Calculators	Applies to IEP/504 Priority seating Modeling, pair up with partners

Thursday	FA.AREI.6	Solve systems of linear equations algebraically and graphically focusing on pairs of linear equations in two variables.	Review worksheet 5.3	Participation CS5.3 worksheet review. Take notes on CS5.4	Performance on worksheet review. Walk room to ensure adequate notetaking. Assist during worksheet completion.	Whole group, Individual, small group	CS5.4 Notes CS5.4 worksheets Calculators	Applies to IEP/504 Priority seating Modeling, pair up with partners
	FA.AREI.11	Solve an equation of the form $f(x) = g(x)$ graphically by identifying the x-coordinate(s) of the point(s) of intersection of the graphs of $y=f(x)$ and $y=g(x)$.	Chapter 5.4 – Solving Special Systems	<ul style="list-style-type: none">Solve special systems of linear equations in two variablesClassify systems of linear equations and determine the number of solutions Actively complete CS5.3 worksheet				
Friday	FA.AREI.5	Justify that the solution to a system of linear equations is not changed when one of the equations is replaced by a linear combination of the other equation.	Review worksheet 5.4	Participation in worksheet review.	Performance on worksheet review. Performance during chapter review.	Whole group, Individual, small group	CS5.5 Notes CS5.5 worksheets Calculators	Applies to IEP/504 Priority seating Modeling, pair up with partners
	FA.AREI.6	Solve systems of linear equations algebraically and graphically focusing on pairs of linear equations in two variables.	Review of CS5.1-5.4 for Chapter 5 test scheduled for Monday					
	FA.AREI.11	Solve an equation of the form $f(x) = g(x)$ graphically by identifying the x-coordinate(s) of the point(s) of intersection of the graphs of $y=f(x)$ and $y=g(x)$.						

* All plans are subject to change. Student progress will be monitored and adjustments will be made. NOTE:CS = Chapter Section. Example CS1.2 is Chapter 1 Section 2 in the textbook.