

Teacher: Walczyk

Course: **Foundations in Algebra**

Period(s): 1

Week of: 3/5/18

Unit Title: Solving Equations and Proportional Reasoning/Solving Inequalities

State Standards: FA.ACE.1, FA.ASE.1, FA.ACE.4, FA.AREI.1, FA.AREI.3

	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.ASE.1 FA.AREI.3	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships. Solve linear equations in one variable, including equations with coefficients represented by letters.	Quiz – one-step and two-step equations with one variable and fractions Finish pennants when complete. If done with pennants, work in Aleks.	Actively solve one-step and two-step equations with one variable to complete quiz.	Performance on quiz.	Individual	Quiz	Applies to IEP/504 Can retest in resource if needed.
Tuesday	FA.ASE.1 FA.AREI.3 FS.ACE.4	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships. Solve linear equations in one variable, including equations with coefficients represented by letters. Solve literal equations and formulas for a specified variable including equations and formulas that arise in a variety of disciplines.	Review quiz on one-step and two-step equations CS9.4 – Further Problem Solving (Translating Word Problems into Linear Equations)	Participate in quiz review. Take notes on Chapter 9.4. <ul style="list-style-type: none"> Solve problems including direct translation. Solve problems including relationships among unknown quantities. Complete practice problem worksheet	Participation in quiz review/questioning. Ensure students are actively taking notes. Questioning during lesson. Student participation during lesson. Walk room and assist as necessary during guided practice problems during lecture and start of practice problem worksheet	Whole group, Individual, small group	Graded quizzes Notes for CS9.4 Textbook Workbooks Worksheet Calculators	Applies to IEP/504 Priority seating Modeling, pair up with partners

Wednesday	FA.ASE.1	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships.	Review quiz on one-step and two-step equations CS9.4 – Further Problem Solving (Translating Word Problems into Linear Equations)	Continue to practice skill - <ul style="list-style-type: none"> Solve problems including direct translation. Solve problems including relationships among unknown quantities. 	Check student progress on practice worksheets. Assist as needed.	Whole group, Individual, small group	Graded quizzes Notes for CS9.4 Workbooks Worksheet Calculators	Applies to IEP/504 Priority seating Modeling, pair up with partners
	FA.AREI.3	Solve linear equations in one variable, including equations with coefficients represented by letters.	continuation	Complete practice problem worksheet	Student participation during worksheet review.			
Thursday	FA.ASE.1	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships.	CS9.6 – Linear Inequalities & Problem Solving	Take notes on CS9.6 <ul style="list-style-type: none"> Define linear inequality in one variable, graph solution sets on a number line and use interval notation. Use the addition property and multiplication property of inequality to solve inequalities. Solve problems modeled by inequalities. 	Participation in quiz review/questioning.	Whole group, Individual, Small group	Notes for CS9.6 Textbook Workbooks Worksheets Calculators	Applies to IEP/504 Priority seating Modeling, pair up with partners
	FA.AREI.3	Solve linear equations in one variable, including equations with coefficients represented by letters.			Ensure students are actively taking notes. Questioning during lesson. Student participation during lesson. Walk room and assist as necessary during practice problems and start of homework problems.			
Friday	FA.ASE.1	Create and solve equations and inequalities in one variable that model real-world problems involving linear relationships.	CS9.6 – Linear Inequalities & Problem Solving	Take notes on CS9.6 <ul style="list-style-type: none"> Define linear inequality in one variable, graph solution sets on a number line and use interval notation. Use the addition property and multiplication property of inequality to solve inequalities. 	Participation in quiz review/questioning.	Whole group, Individual, Small group	Notes for CS9.6 Textbook Workbooks Worksheets Calculators	Applies to IEP/504 Priority seating Modeling, pair up with partners
	FA.AREI.3	Solve linear equations in one variable, including equations with coefficients represented by letters.		Solve problems modeled by inequalities.	Ensure students are actively taking notes. Questioning during lesson. Student participation during lesson. Walk room and assist as necessary during practice problems and start of homework problems.			
	FS.ACE.4	Solve literal equations and formulas for a specified variable including equations and formulas that arise in a variety of disciplines.						

* 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.**