

UNIT OF STUDY

Title: Unit 2		Subject/Course: SC Math	
Length: 2 weeks			
Topic: Solving Equations and Inequalities		Grade: 9-12	
Designer: D. Rye			
UNIT GOALS AND EXPECTATIONS			
IMPORTANT CONCEPTS/UNDERSTANDINGS <ul style="list-style-type: none"> • Use special vocabulary to solve equations. • Write equations and inequalities. • Solve equations and inequalities. • Multiplication properties of inequalities 		ESSENTIAL QUESTIONS: <ul style="list-style-type: none"> • What is an equation? • What are inequalities? • What is a rational coefficient? 	
STUDENT LEARNING EXPECTATIONS: SEI.2.AI.1 Solve multi-step equations and inequalities with rational coefficients numerically, algebraically, graphically, and technologically.			
SPECIFIC DECLARATIVE KNOWLEDGE – What I know <ul style="list-style-type: none"> • Vocabulary words: variable, terms, equation, coefficients, like terms. • Identify operation symbols • Write equivalent forms of equations. 		SPECIFIC PROCEDURAL KNOWLEDGE – What I need to do <ul style="list-style-type: none"> • Solve multi-step equations and inequalities. • Use a calculator to evaluate expressions • Graph solutions of equations on a number line. • Graph solutions of inequalities on a number line. • Understand the meaning of “and” and “or” as they relate to the truth of a compound statement. 	

UNIT ASSESSMENTS (Include tasks related to Dimensions 3 and 4 and Bloom's Taxonomy)	
Unit 2 Open Response (application)	
Traditional Assessments: <ul style="list-style-type: none"> • Unit 2 Solving Equations and Inequalities Test • Unit 2 Solving Equations and Inequalities Quiz 	Other Evidence of Learning: <ul style="list-style-type: none"> • Classroom • Teacher Observation

ACTIVITIES AND LEARNING EXPERIENCES	Resources
<ul style="list-style-type: none"> • 4 Step Vocabulary • Model solving equations on board. • Games www.mathplaygroud.com . • Guided practice. • Student lead board work. 	<ul style="list-style-type: none"> • Calculator • Activity worksheets • Portfolio workbook