Grade Level 9th Algebra I A Teacher/Room		<u>n</u> : S. Pinson/Room 182	Week of: September 5-9, 2016	
Unit Vocabulary: see attached				
Instructional Strategies Used: direct instruction, independent study, interactive instruction, partners				
<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	<u>Day 4</u>	Day 5
	Common Core Standard(s) : MGSE9-12.A.CED.1 Create equations and inequalities in one variable and use them to solve problems.	Common Core Standard(s): MGSE9-12.A.CED.1 Create equations and inequalities in one variable and use them to solve problems.	Common Core Standard(s): MGSE9-12.A.CED.1 Create equations and inequalities in one variable and use them to solve problems.	Common Core Standard(s): MGSE9-12.A.CED.1 Create equations and inequalities in one variable and use them to solve problems.
	EQ Question: How do you solve inequalities?	EQ Question : How can you create and solve equations in real life applications?	EQ Question : How can you create and solve inequalities in real life applications?	EQ Question : What is a compound inequality, and how do you solve one?
	Mini Lesson: USA Test Prep – Computer Lab	Mini Lesson: Properties of Equality	Mini Lesson: USA Test Prep – Computer Lab	Mini Lesson: Order of Operations
Labor	Activating Strategies: Properties of Equality - Which ones apply to inequalities?	Activating Strategies: Right/Wrong: Given a solution, students need to decide if an inequality was solved correctly.	Activating Strategies: Pair Activity – Expressions Card Sort	Activating Strategies: Person Puzzle – Bethany Hamilton (Solving Eqns with Decimals) - partners
Day	 Lesson: Solving Inequalities 1. Review Properties with Power Pt 2. Review inequalities and their 	Lesson: Creating Equations from Context 1. Review Translating Verbal to Algebraic	Lesson: Creating Inequalities from Context 1. Notes 2. Guided Practice Problems	Lesson: Compound Inequalities 1. Collect Friday Worksheet 2. Quiz over Friday WS 3. Guided practice over
Holiday	graphs 3. Power point with guided notes 4. Guided Practice 5. Assignment 6. Hand out Friday WS	 Guided Practice on Creating Equations Assignment 	on Creating Inequalities 3. Assignment 4. Ticket-out-the-door	justifying 4. Assignment
	Resource/Materials: Powerpoint, guided notes, worksheets, logins	Resource/Materials: Powerpoint, tests	Resource/Materials: Powerpoint, worksheets	Resource/Materials: Quizzes, worksheets
	Differentiation: Content/Process/Product: Guided Practice, USATestPrep Grouping Strategy: Assessment:	Differentiation: Content/Process/Product: Grouping Strategy: Assessment:	Differentiation: Content/Process/Product: card sort, USA Test Prep Grouping Strategy: partners Assessment: informal	Differentiation: Content/Process/Product: graphic organizer Grouping Strategy: partners Assessment: Friday WS
	Assessment : Formative: thumbs up/down Summative:	Assessment : Formative: thumbs up/down Summative:	Assessment : Formative: ticket-out-door Summative:	Assessment : Formative: thumbs up/down, quiz Summative:
	Homework: Day 5 Solving Linear Inequalities WS	Homework: Day 6 Creating Equations WS	Homework: WS: Day7 Creating Inequalities	Homework: WS: Compound Inequalities

- Algebra: The branch of mathematics that deals with relationships between numbers, utilizing letters and other symbols to represent specific sets of numbers, or to describe a pattern of relationships between numbers.
- Binomial Expression: An algebraic expression with two unlike terms.
- Capacity: The greatest volume that a container can hold. Circumference: The distance around a circle.
- **Coefficient**: A number multiplied by a variable.
- Constant Term: A quantity that does not change its value.
- Expression: A mathematical phrase involving at least one variable and sometimes numbers and operation symbols.
- Factor: When two or more integers are multiplied, each integer is a factor of the product. "To factor" means to write the number or term as a product of its factors.
- Integer: The set of numbers ...,-3,-2,-1,0,1,2,3,...
- Irrational Number: A number whose decimal form is nonterminating and nonrepeating. Irrational numbers cannot be written in the form a/b, where a and b are integers (b cannot be zero). So all numbers that are not rational are irrational.
- Monomial Expression: An algebraic expression with one term.
- Perimeter: The sum of the lengths of the sides of a polygon.
- Rational Number: A number expressible in the form a/b or a/b for some fraction a/b. The rational numbers include the integers.
- Standard Form of a Polynomial: To express a polynomial by putting the terms in descending exponent order.
- Term: A number, a variable, or a product of numbers and variables.
- **Trinomial**: An algebraic expression with three unlike terms.
- Variable: A letter or symbol used to represent a number.
- Volume: The amount of space occupied by an object.
- Whole numbers: The numbers 0, 1, 2, 3,