Common Core Lesson Planning Template

Grade Level 9th Algebra I A	**Teacher/Room**: S. Pinson/Room 182	Week of: August 22-26, 2016

Unit Vocabulary: see attached

Instructional Strategies Used: direct instruction, independent study, interactive instruction, partners

Day 1	Day 2	Day 3	Day 4	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.	**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 two-step equations?	**EQ Question**: How do you solve multi-step equations?	**EQ Question**: How can you solve equations that have variables on both sides?	**EQ Question**: How do you use distributive property to solve equations?	**EQ Question**: How do you solve multi-step equations?
Mini Lesson: Matching Expressions (Partners) **Activating Strategies:** Right/Wrong: Given a solution, students need to decide if it was solved correctly. **Lesson:** Solving simple equations 1. Go over last Friday's WS 2. Steps on solving equations(graphic organizer) 3. Properties of Equality 4. Guided Practice Problems 5. Assignment 6. Friday Worksheet	**Mini Lesson:** USA Test Prep – Computer Lab **Activating Strategies:** How do you solve this multi-step equation? **Lesson:** Solving two-step and multi-step equations 1. Steps on solving 2-step equations with Power Pt 2. Guided Practice Problems 3. Assignment	**Mini Lesson:** Properties of Equality **Activating Strategies:** How do you solve this equation with variables on both sides? **Lesson:** Solving equations with variables on both sides 1. Steps on solving equations 2. Guided Practice Problems 3. Assignment 4. Ticket-out-the-door	**Mini Lesson:** USA Test Prep – Computer Lab **Activating Strategies:** Person Puzzle - Angélique Kidjo **Lesson:** Solving Using Distributive Property 1. Notes 2. Guided Practice Problems 3. Assignment 4. Ticket-out-the-door	**Mini Lesson:** Solving Equations **Activating Strategies:** Pair Activity – Solving Equations **Lesson:** Solving a mixture of equations 1. Collect Friday Worksheet 2. Quiz over Friday WS 3. Steps on solving equations 4. Guided Practice Problems 5. Assignment
Resource/Materials: Powerpoint, worksheets, graphic org	**Resource/Materials:** Powerpoint, worksheets	**Resource/Materials:** Powerpoint, worksheets	**Resource/Materials:** Powerpoint, worksheets	**Resource/Materials:** Powerpoint, worksheets
Differentiation: *Content/Process/Product:* graphic organizer *Grouping Strategy:* heterogeneous *Assessment:* Friday WS	**Differentiation:** *Content/Process/Product:* graphic organizer, USATestPrep *Grouping Strategy:* *Assessment:*	**Differentiation:** *Content/Process/Product:* graphic organizer *Grouping Strategy:* *Assessment:*	**Differentiation:** *Content/Process/Product:* graphic organizer, USA Test Prep *Grouping Strategy:* heterogeneous *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:* thumbs up/down *Summative:*	**Assessment :** *Formative:* ticket-out-door *Summative:*	**Assessment :** *Formative:* thumbs up/down, quiz *Summative:*
Homework: WS : Day5 Solving Two-Step Equations	**Homework:** WS: Day6 Solving Multi-Step Eqns	**Homework:** WS: Day7 Solving Equations w/ variables on both sides	**Homework:** Day8 Equations Involving Distributive Property	**Homework:** WS:Day9 Mixture of Equations

- **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, ...