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| Grade Level 9th Coordinate Algebra A | **Teacher/Room**: L. Payne/Room 181 Week of: August 18 – August 22, 2014 |
| **Unit Vocabulary:** coefficient, constraint, domain, equation, expression, factor, inequality, ordered pair, Pythagorean Theorem, range, substitution, term, variable |
| **Instructional Strategies Used:** direct instruction, independent study, interactive instruction, partners |
| **Day 1** | **Day 2** | **Day 3** | **Day 4** | **Day 5** |
| **Common Core Standard(s)**:**MCC9‐12.A.CED.1** Create equations and inequalities in one variable and use them to solve problems.  **L9-10RST7** Translate quantitative or technical information expressed in words in a text into visual form and translate info expressed visually or mathematically into words. | **Common Core Standard(s)**:**MCC9‐12.A.CED.1** Create equations and inequalities in one variable and use them to solve problems. **L9-10RST7** Translate quantitative or technical information expressed in words in a text into visual form and translate info expressed visually or mathematically into words. | **Common Core Standard(s)**:**MCC9‐12.A.CED.1** Create equations and inequalities in one variable and use them to solve problems.**L9-10RST7** Translate quantitative or technical information expressed in words in a text into visual form and translate info expressed visually or mathematically into words. | **Common Core Standard(s)**:**MCC9-12.A.CED.4** Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.**L9-10RST7** Translate quantitative or technical information expressed in words in a text into visual form and translate info expressed visually or mathematically into words.  | **Common Core Standard(s)**:**MCC9‐12.A.CED.1**,**MCC9-12.A.CED.4** |
| **EQ Question**: How can you use multiplication and division to solve equations? | **EQ Question**: How can you use multiplication and division to solve equations? | **EQ Question**: How can you use equations that have variables on both sides? | **EQ Question**: How can you solve for a given variable in a formula or equation with more than one variable? | **EQ Question**: How can you model and solve equations.  |
| **Mini Lesson:** packet of equations- due on Friday**Activating Strategies:** Right/Wrong:Given a solution, students need to decide if it was solved correctly.**Lesson:** Solving simple equations1. Steps on solving equations
2. Properties of Equality – Keeper 3 ppt
3. Guided Practice Problems
4. Assignment – from textbook (Section 1-3)

**Resource/Materials:** Powerpoint, textbook | **Mini Lesson:** Properties of Equality**Activating Strategies:** How do you solve this equation?**Lesson:** Solving two-step and multi-step equations1. Steps on solving equations
2. Guided Practice Problems
3. Assignment – from textbook (Section 3-1)

**Resource/Materials:** Powerpoint, textbook | **Mini Lesson:** **Activating Strategies:** How do you solve this equation?**Lesson:** Solving equations with variables on both sides1. Steps on solving equations
2. Guided Practice Problems
3. Assignment – from textbook (Section 3-2)

**Resource/Materials:** Powerpoint, textbook | **Mini Lesson:** **Activating Strategies:** Cross country runners wanting to find their rates in mph, given distances and times.**Lesson:** Solving for a variable1. Notes – Keeper 6 ppt
2. Guided Practice Problems
3. Assignment – from textbook (Section 3-3)

**Resource/Materials:** Powerpoint, textbook | Review/TestWord problems (or Practice Task: Lucy’s Linear Equations and Inequalities)orPlug in Computer Lab Day |
| **Differentiation:***Content/Process/Product:* *Grouping Strategy:* heterogeneous*Assessment:* informal | **Differentiation:***Content/Process/Product:* ***Basic: 24–41, 47–51, 54–61****Grouping Strategy:* *Assessment:* informal | **Differentiation:***Content/Process/Product:* *Basic: 15–52, 54, 55, 57, 59–63, 72* *Grouping Strategy:* heterogeneous*Assessment:* informal | **Differentiation:***Content/Process/Product: Basic: 8–31, 34–37, 46* *Grouping Strategy:* heterogeneous*Assessment:* informal | **Differentiation:***Content/Process/Product:* *Grouping Strategy:* heterogeneous*Assessment:* informal |
| **Assessment :***Formative:* thumbs up/down*Summative:*  | **Assessment :***Formative:* thumbs up/down*Summative:*  | **Assessment :***Formative:* thumbs up/down*Summative:*  | **Assessment :***Formative:* thumbs up/down*Summative:*  | **Assessment :***Formative:* thumbs up/down*Summative:* ***Test*** |
| **Homework:** Textbook – pp. 23-25: P&PS – 22-76 even | **Homework:** Textbook – pp. 66-68: Average: 24–41, 47–51, 54–61, 74, 75 | **Homework:** Textbook – pp. 73-75: Average: 15–37, 38–52 even, 53–63, 66–69, 72–74 | **Homework:** Textbook – pp. 79-81:Basic: 8–31, 34–37, 46 Average: 8–13, 20–41, 46–47  | **Homework:** none  |