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| Grade Level 9th Coordinate Algebra A | | **Teacher/Room**: L. Payne/Room 181 Week of: August 25 – August 29, 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** . | **Common Core Standard(s)**:  **MCC9‐12.A.CED.1**,  **MCC9-12.A.CED.4** | | **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**. | **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** | **Common Core Standard(s)**:  **MCC9-12.A.CED.1**  **MCC9-12.A.SSE.1**  **MCC9-12.A.SSE.1a**  **MCC9-12.A.SSE.1b** |
| **EQ Question**: How do you solve multi-step equations? | **EQ Question**: How can you model and solve equations? | | **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 solve for a given variable in a formula or equation with more than one variable? | **EQ Question**:   * How do I interpret parts of an expression in terms of context?   • How do I create equations and inequalities in one variable and use them to solve problems arising from linear functions?  • How can I write, interpret and manipulate algebraic expressions, equations and inequalities? |
| **Mini Lesson:** solving equations  **Activating Strategies:**.How do you solve this problem? (Cell Phone problem)  **Lesson:** Solving simple equations   1. Steps on solving equations 2. Review for tomorrow’s test   **Resource/Materials:** Powerpoint, review sheets | **Mini Lesson**: Review  **Test:** Solving Equations  **Resource/Materials:**  Tests | | **Mini Lesson:** Solving Equations  **Activating Strategies:** Cross country runners wanting to find their rates in mph, given distances and times.  **Lesson:** Solving for a variable   1. Notes – Keeper 6 ppt 2. Classwork – Practice Problems 3. Assignment - Worksheets   **Resource/Materials:** Powerpoint, worksheets | **Mini Lesson:** Solving Equations  **Activating Strategies:** Converting Celsius to Fahrenheit (I forgot formula)  **Lesson:** Solving for a variable – Part II   1. Guided Practice Problems 2. Assignment – from textbook (Section 3-3)   **Resource/Materials:** Powerpoint, textbook | **Mini Lesson:** Instructions for Task/Partners  **Activating Strategies:** What do you think are “consecutive integers?”  **Lesson:** Lucy’s Linear Equations and Inequalities (Practice Task)  **Resource/Materials:** Powerpoint, tasks |
| **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment:* informal | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment:* informal | | **Differentiation:**  *Content/Process/Product:* Modified Worksheet  *Grouping Strategy:*  *Assessment:* informal | **Differentiation:**  *Content/Process/Product: Basic: 8–31, 34–37, 46*  *Grouping Strategy:*  *Assessment:* informal | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:* partners based on Tuesday’s test  *Assessment:* informal |
| **Assessment :**  *Formative:* thumbs up/down  *Summative:* | **Assessment :**  *Formative:* thumbs up/down  *Summative:* **Test** | | **Assessment :**  *Formative:* thumbs up/down  *Summative:* | **Assessment :**  *Formative:* thumbs up/down  *Summative:* | **Assessment :**  *Formative:* thumbs up/down  *Summative:* |
| **Homework:** Review Worksheet and study | **Homework:** none | | **Homework:** Worksheets | **Homework:** Textbook – pp. 79-81:  Basic: 8–31, 34–37, 46 Average: 8–13, 20–41, 46–47 | **Homework:** none |