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| Grade Level 9th Coordinate Algebra A | | **Teacher/Room**: L. Payne/Room 181 Week of: September 8 through September 12 | | | |
| **Unit Vocabulary:** equation, variable, conversion factor, unit analysis, dimensional analysis, rate, unit rate, ratio, proportion, cross product, scale, scale drawing, similar, corresponding sides, corresponding angles | | | | | |
| **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.N.Q.3** Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.  **L9-10RST7** | | **Common Core Standard(s)**:  **MCC9-12.N.Q.1**  **MCC9-12.N.Q.2**  **MCC9-12.N.Q.3**  **L9-10RST7** | **Common Core Standard(s)**:  All that we have covered so far. | **Common Core Standard(s)**:  All that we have covered so far. |
| **EQ Question:** How can you create proportions and use them to solve problems? | **EQ Question**: How can you choose appropriate levels of precision and accuracy when solving problems? | | **EQ Question**:   * How do I choose and interpret units consistently in solving application problems?   • How can I model constraints using mathematical notation? | **EQ Question**: How do I choose and interpret units consistently in formulas? 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 and exponential functions? How can I write, interpret and manipulate algebraic expressions, equations, and inequalities? How do I create equations in two or more variables to represent relationships between quantities? | **EQ Question**: How do I choose and interpret units consistently in formulas? 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 and exponential functions? How can I write, interpret and manipulate algebraic expressions, equations, and inequalities? How do I create equations in two or more variables to represent relationships between quantities? |
| **Mini Lesson:** Quiz  **Activating Strategies:** PARCC Questions, p.53  **Lesson: Applications of Proportions (Section 2-2)**   1. Guided Practice Problems 2. Assignment –Worksheets   **Resource/Materials:** Powerpoint, worksheets | **Mini Lesson:** Solving Proportions  **Activating Strategies:** Questions to the Teacher/PARCC Question #8, p. 53  **Lesson: Precision and Accuracy (Section 2-3)**   1. Guided Notes 2. Practice Problems 3. Assignment - WS   **Resource/Materials:** Powerpoint, Worksheets | | **Mini Lesson:** Solving Proportions  **Activating Strategies:** Instructions for task  **Lesson:** Leaky Faucet Task  **Resource/Materials:** Tasks, Mr. Meyer’s videos | **Mini Lesson:** Solving Proportions  **Activating Strategies:** PARCC Questions, p.53  **Lesson**: Review  **Resource/Materials:** Review Sheets, Textbook | **Mini Lesson:** Solving Proportions  **Activating Strategies:** Quick Review  **Lesson: Test**  **Resource/Materials:** Tests |
| **Differentiation:**  *Content/Process/Product:* Activating Strategy (Content)  *Grouping Strategy:*  *Assessment:* informal | **Differentiation:**  *Content/Process/Product:* Modified Worksheet  *Grouping Strategy: Assessment:* informal | | **Differentiation:**  *Content/Process/Product:* Partners  *Grouping Strategy: Assessment:* | **Differentiation:**  *Content/Process/Product:* Partners  *Grouping Strategy:*  *Assessment:* | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy: Assessment:* |
| **Assessment :**  *Formative:* thumbs up/down  *Summative:* Quiz | **Assessment :**  *Formative:* thumbs up/down  *Summative:* | | **Assessment :**  *Formative:* thumbs up/down  *Summative:* | **Assessment :**  *Formative:* thumbs up/down  *Summative:* | **Assessment :**  *Formative:* thumbs up/down  *Summative:* |
| **Homework:** Worksheets | **Homework:** Worksheets | | **Homework:** worksheets | **Homework:** review sheets and study | **Homework:** none |