|  |  |
| --- | --- |
| 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 |