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| Grade Level 9th Coordinate Algebra A / 1st & 2nd  | **Teacher/Room**: L. Payne/Room 181 Week of: September 29-October 3, 2014 |
| **Unit Vocabulary:** coefficient, constraint, domain, equation, inequality, ordered pair, range, substitution, term, variable, slope, intercepts, intersection, parallel, perpendicular, consistent, inconsistent, dependent |
| **Instructional Strategies Used:** direct instruction, independent study, interactive instruction, partners, small groups |
| **Day 1** | **Day 2** | **Day 3** | **Day 4** | **Day 5** |
| **Common Core Standard(s)**: **MCC9‐12.A.REI.5** Prove that, given a system of two equations in two variables, replacing one equation by the sum of that equation and a multiple of the other produces a system with the same solutions**.****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. **WIDA.ELDS3** | **Common Core Standard(s)**: **MCC9‐12.A.REI.6** Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.**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.**WIDA.ELDS3** | **Common Core Standard(s)**: **MCC9‐12.A.REI.6** Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.**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.**WIDA.ELDS3** | **Common Core Standard(s)**: **MCC9‐12.A.REI.6** Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.**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.**WIDA.ELDS3** | **Common Core Standard(s)**: **MCC9‐12.A.REI.6** Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.**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**WIDA.ELDS3** |
| **EQ Question:** How do I solve a system of linear equations by elimination? | **EQ Question:** Which method is best when solving a system of equations? | **EQ Question**: How do I solve a systems of equations? | **EQ Question:**  How do I solve a systems of equations? | **EQ Question:** Which method is best when solving a system of equations? |
| **Mini Lesson:** Partner Practice with Elimination**Activating Strategies:** One System – Three Ways (graphic organizer)**Lesson: Solving Systems by Elimination (continued)**1. More practice with solving by elimination
2. Assignment
3. Quiz: Solving systems using all 3 methods

**Resource/Materials:** Powerpoint, quizzes, elimination WS | **Mini Lesson:** Quotable Puzzle WS**Activating Strategies:** Which method would you choose?**Lesson**: **Using all three methods**1.Powerpoint (Keeper 10)2. Practice Problems3. Assignment- Create a brochure explain the three methods of solving systems of equations. **Resource/Materials:** Powerpoint, Worksheets, construction paper, color paper, graph paper, glue, tape, rubric  | **Mini Lesson:** Solving Systems by method of choice**Activating Strategies:** Think-Pair-Share (Systems)**Lesson:** 1. Review for Test with WS
2. Jeopardy

**Resource/Materials:** Review sheets, think-pair-share ws | **Mini Lesson:** Solve Systems by method of choice**Activating Strategies:** Questions for Teacher**Lesson: Test** **Resource/Materials:** Tests | **Mini Lesson:** Quick Review of the three methods to solve systems**Activating Strategies:** Advertising Strategies: <https://www.youtube.com/watch?v=NdLsQcYyAcc>**Lesson: Task**1. Groups – Given problem, create advertisement for the method you would use to solve.
2. Groups will present their advertisements.

**Resource/Materials:** activity directions, rubrics, paper, markers |
| **Differentiation:***Content/Process/Product:* graphic organizer*Grouping Strategy:* partners, random*Assessment: quiz* | **Differentiation:***Content/Process/Product: Brochure**Grouping Strategy: Partners* *Assessment:* teacher observation | **Differentiation:***Content/Process/Product:**Grouping Strategy:* Partners*Assessment:* last week’s quiz | **Differentiation:***Content/Process/Product:**Grouping Strategy:**Assessment:*  | **Differentiation:***Content/Process/Product:**Grouping Strategy:* small groups, random*Assessment:*  |
| **Assessment :***Formative:* thumbs up/down*Summative: quiz* | **Assessment :***Formative:* thumbs up/down, monitoring classwork*Summative: brochure* | **Assessment :***Formative:* thumbs up/down, monitoring classwork*Summative:*  | **Assessment :***Formative:* *Summative:* Test | **Assessment :***Formative:* *Summative:* Task |
| **Homework:** Solving by Elimination WS | **Homework**: Review WS | **Homework**: Study worksheet | **Homework**: none | **Homework**: none |

Resources and Reflective Notes: