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| Grade Level 9th Coordinate Algebra A | **Teacher/Room**: L. Payne/Room 181 Week of: October 6 – October 10, 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 |
| **Day 1** | **Day 2** | **Day 3** | **Day 4** | **Day 5** |
| **Common Core Standard(s)**: **MCC9‐12.A.REI.12** Graph the solutions to a linear inequality in two variables as a half‐ plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half‐planes.**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.12** Graph the solutions to a linear inequality in two variables as a half‐ plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half‐planes.**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.12** Graph the solutions to a linear inequality in two variables as a half‐ plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half‐planes.**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)**: **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 graph a linear inequality in two variables? | **EQ Question**: How do I solve a systems of inequalities? | **EQ Question:**  How do I solve a systems of inequalities? | **EQ Question:**   | **EQ Question:** How do I use systems of equations and inequalities to solve real world problems? |
| **Mini Lesson:** Partner Practice –Matching Linear Graphs with Equations**Activating Strategies:** Alternate Lesson Opener (in powerpoint)**Lesson:** Graphing Linear Inequalities (Textbook 7-2)1. Power Presentation (thru slide 29)
2. Guided Notes
3. Practice Problems
4. Assignment

**Resource/Materials:** Powerpoint, partner practice matching worksheets, WS packet | **Mini Lesson:** Graphing inequalities**Activating Strategies:** How would you solve this system of inequalities?**Lesson:** Solving a system of inequalities (Textbook 7-3)1. Power Presentation
2. Guided Notes
3. Practice Problems
4. Assignment

**Resource/Materials:** guided notes, powerpoint,worksheet packet  | **Mini Lesson:** Graphing a system of inequalities**Activating Strategies:** Questions for Teacher**Lesson:** Solving a systems of inequalities (continued)1. More practice
2. Quiz
3. Assignment

  **Resource/Materials:** Quizzes, worksheets | **Mini Lesson:** **Activating Strategies:** **Lesson:**   **Resource/Materials:** **BENCHMARK TEST** | **Mini Lesson:** One problem – three methods**Activating Strategies:** Rectangle Problem – set up a system of equations to solve.**Lesson:** 1. Word Problems – Guided Notes
2. Classwork - WS

**Resource/Materials:** Word Problem Guided Notes, Worksheets |
| **Differentiation:***Content/Process/Product:* guided notes*Grouping Strategy:* partners, random*Assessment:*  | **Differentiation:***Content/Process/Product:* guided notes*Grouping Strategy:* *Assessment:*  | **Differentiation:***Content/Process/Product:**Grouping Strategy:**Assessment:*  | **Differentiation:***Content/Process/Product:**Grouping Strategy:**Assessment:*  | **Differentiation:***Content/Process/Product:**Grouping Strategy:* *Assessment:*  |
| **Assessment :***Formative:* thumbs up/down, monitoring classwork*Summative:* | **Assessment :***Formative:* thumbs up/down, monitoring classwork*Summative:*  | **Assessment :***Formative:* *Summative:* Quiz | **Assessment :***Formative:* *Summative: benchmark test* | **Assessment :***Formative:* *Summative:*  |
| **Homework: WS Packet** | **Homework**: WS Packet | **Homework**: Worksheet | **Homework**:  | **Homework**: none |

Resources and Reflective Notes: