

O'Mara Lesson Plans February 6-10, 2017

Daily [20]:

- Growth Mindset Writing Warm Up [3]
- Math Warm Up: Finding slope from a standard form equation [5]
- This Day in History [2]
- Partner/Computer transition [5]
- Padlet Think/Pair/Share Question [10]

Monday 02/06 SWBAT solve a real-world application using a system of equations.

- Padlet TPS Question: What is a solution, graphically?
- ACT Debrief [20]
- You do: 3 Ways to Solve partner activity (cont. from Friday)[20]
- I do: "Total" problems example "Aariyah collects Androids and iPhones. She has 150 cards total. The number of Androids she has is 18 more than two times the number of iPhones. How many Androids and iPhones does she have? [15]
- We do: Socratic exit ticket "Your class sells a total of 64 tickets to a basketball game. A Karr ticket costs \$1, and a Non-Karr ticket costs \$2.50. Your class collects \$109 in total ticket sales. How many Karr tickets did you sell? How many Non-Karr tickets did you sell?" [15]

Tuesday 02/07 SWBAT to graph linear inequalities, and write and use inequalities when modeling real-world situations.

- Padlet TPS Question: What is a solution, algebraically?
- Exploration: Desmos graphing inequalities [15] **Make**
- I do/We do: Cycle through guided notes (3 examples)[30] **Make**
- You do: Independent Practice [15] **Make/Choose**
- Exit Ticket: Kuta worksheet [10] **Make**

Wednesday 02/08 SWBAT solve systems of linear inequalities by graphing (plain and application).

- Padlet TPS Question: Is (3, -4) a solution to this system of inequalities? Why/not? (Post picture of a graphed system of inequalities)
- I do/We do: Cycle through guided notes (3 examples)[30] **Make** *use the word "half-planes" to describe solution area
- You do: Independent Practice [30] **Make/Choose**
- Exit Ticket: Kuta worksheet [10] **Make**

Thursday 02/09 SWBAT use systems of equations and inequalities to solve real-world applications.

- Padlet TPS Question: If the equations $2x - 5y = 7$ and $3x - 2y = -17$ are graphed on the same coordinate system, at which point will the graphs intersect? What is that point called?
- I do: Example questions "Eugene has \$35 and will earn \$7 per hour, while Santrell has \$20 and will earn \$8.50 per hour. If x represents the number of hours and y

represents the amount of money, determine how many hours it will take for Eugene and Santrell to have the same amount of money." [15]

- We do: Debra earns \$5 an hour baby-sitting and \$8 an hour working at the local library. Her goal is to earn at least \$80 this week, but she cannot work more than 15 hours. Debra models this situation using the graph below.



Name a combination of hours will allow Debra to meet her goal. How do you know that combination will work? [15]

- You do: Mr. Brown's practice test [40]
- No exit ticket today

Friday 2/10 Unit 7 Test

- $\frac{1}{2}$ kids will take the test, other $\frac{1}{2}$ will finish practice test