**Ms. Maka’s Lesson Plans**

**Week of: November 28th, 2016 Skill/Focus: Pre-Algebra: Powers and Exponents; Course 2: Proportional Relationships**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Objective/Standard** | **Activities**  | **Quick Assessment** | **Differentiation/Modifications** |
| M | Pre-Algebra: SWBAT identify parts of a power (exponent and base). SWBAT write repeated multiplication as a power and vice versa.8.EE.1Course 2: SWBAT write and solve proportions.7.RP.2 | **Mad Minute, GN, Exponent Game (with dice)****Homework: None****Mad Minute, GN, Start HW****Homework: WS** | Walk around during Exponent GameWalk around during HW | Reinforce that 33 does not mean 3x3, but 3x3x3Remind students to use units when setting up proportions (miles/hr, etc.) |
| T | Pre-Algebra: SWBAT use rules of exponents to evaluate power operations.8.EE.1Course 2: SWBAT identify the constant of proportionality in tables and equations.7.RP.2a, 7.RP.2b, 7.RP.2c | **Mad Minute, GN (using Discovering Exponents packet)****Homework: WS****Mad Minute, GN****Homework: WS** | Go over classwork answers | Encourage students to write expanded forms of exponent operations of they are ever confused with the rules (42x44= 4x4x4x4x4x4=46) |
| W | Pre-Algebra: SWBAT evaluate expressions involving negative exponents.8.EE.1Course 2: SWBAT solve proportions involving scale drawings, scale models, and scales. 7.G.1 | **Mad Minute, GN, Practice****Homework: None****Mad Minute, GN, Scale Activity****Homework: Activity** | Monitor during classwork practice and activity | Units are very important in this lesson! (in./ft.) |
| TH | Pre-Algebra: SWBAT find the square roots of perfect squares. SWBAT use perfect square to approximate non-perfect square roots.8.EE.2, 8.NS.1Course 2: SWBAT review ratios, rates, and proportions. | **Mad Minute, GN, Practice****Homework: None****Mad Minute, Review Game****Homework: None** | Walk around during practiceReview Game | Approximations only to the whole number ($\sqrt{51}\~7, since \sqrt{51} is close to \sqrt{49} which is 7) $ |
| F | \*Ms. Maka in math planning meeting all day\*Pre-Algebra: SWBAT complete a review on integer exponents and perfect squares.Course 2: SWBAT complete a review of ratios, rates, and proportions. | **Mad Minute, Work on review****Homework: Finish review packet** |  |  |