**Geometry Weekly Plan Dec. 7 to Dec. 11, 2015**



**Common Core Standards:**

**G-CO-6**: Use geometric descriptions of rigid motions to transform figures and to predict the effect of a given rigid motion on a given figure; given two figures, use the definition of congruence in terms of rigid motions to decide if they are congruent.

**G-CO-7**: Use the definition of congruence in terms of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent.

**G-CO-10:** Prove theorems about triangles.

**G-GPE-4:** Use coordinates to prove simple geometric theorems algebraically.

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| Day | In Class | Assignment |
| Monday  Dec. 7th  **G-CO-6**  **G-CO-7**  **G-CO-10** | Today’s Goal: To learn about triangle congruence.   * Section 4-6 * CPCTC * Using CPCTC | HW 4-6  In Class |
| Tuesday  Dec. 8th  **G-GPE-4** | Today’s Goal: To learn about coordinate proofs.   * Section 4-7 * Coordinate proofs * Positioning shapes on the coordinate plane * Proofs without numbers | HW 4-7  p. 270-272  #8-19 all, 22, 24  Extra Credit: 32 |
| Wednesday  Dec. 9th  **G-CO-10** | Today’s Goal: To learn about isosceles and equilateral triangles.   * Section 4-8 * Isosceles triangles * Equilateral triangles | HW 4-8  p. 276-278  #12-26 all, 28, 29, 33, 34, 38  Extra Credit: 32 |
| Thursday  Dec. 10th  **G-CO-10** | Today’s Goal: To practice using SSS, SAS, ASA and AAS and HL in geometry proofs.   * Proofs Practice 3 |  |
| Friday  Dec. 11th | Today’s Goal: To excel on the chapter 4 quiz.   * Quiz 4-4 to 4-8 |  |