**Geometry Weekly Plan Jan. 11 to Jan. 15, 2016**



**Common Core Standards:**

**G-CO-9:** Prove theorems about lines and angles.

**G-CO-10:** Prove theorems about triangles. (congruence)

**G-CO-12:** Make formal geometric constructions with a variety of tools and methods compass and straightedge, string, reflective devices, paper folding, dynamic geometric software, etc.).

**G-SRT-4:** Prove theorems about triangles. (similarity)

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| Day | In Class | Assignment |
| Monday  Dec. 8th  **G-CO-9**  **G-CO-10** | Today’s Goal: To learn about perpendicular and angle bisectors.   * Section 5-1 * Perpendicular bisector theorem * Angle bisectors * Equations for bisectors in the coordinate plane | HW 5-1  p. 304- 306  Worksheet |
| Tuesday  Dec.9th  **G-SRT-4**  **G-CO-12** | Today’s Goal: To learn about circumcenters and incenters of triangles.   * Section 5-2 * The Circumcenter Theorem * The Incenter Theorem * Using bisectors to find angles and side lengths * Inscribed circles | HW 5-2  p. 311-313  Worksheet |
| Wednesday  Dec. 10th  **G-CO-10** | Today’s Goal: To learn about medians and altitudes in triangles.   * Section 5-3 * Medians and Altitudes of Triangles * medians and centroids * altitudes and orthocenters | HW 5-3  p. 317-319  Worksheet |
| Thursday  Dec. 12th  **G-CO-9**  **G-CO-10**  **G-CO-12** | Today’s Goal: To practice finding attributes and properties of trianges.   * Practice calculating circumcenters and incenters * Practice finding centroids and orthocenters * inscribed and circumscribed triangles |  |
| Friday  Dec. 13th | Today’s Goal: To excel on the Chapter 5 quiz.   * Quiz 5-1 to 5-3 |  |