**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 |
| MondayDec. 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 5-1p. 304- 306Worksheet |
| TuesdayDec.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 5-2p. 311-313Worksheet |
| WednesdayDec. 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 5-3p. 317-319Worksheet |
| ThursdayDec. 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
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| FridayDec. 13th  | Today’s Goal: To excel on the Chapter 5 quiz.* Quiz 5-1 to 5-3
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