Name: Adam Reeck	Grading Quarter: 1	Week Beginning: October 17th
School Year: 23-24	Subject: Geometry - Honors	

			Academic Standards:
Monday	Notes:		Academic Standards:
Tuesday	Notes: Math Logs	Objective: Students will prove theorems and solve problems about perpendicular bisectors of line segments – and then they will apply those principles to design problems using perpendicular bisectors of triangles. Lesson foundations: Perpendicular bisectors, Constructions of, Coordinate Geometry, Bisectors, Distance formula, Pythagorean Theorem Lesson overview: Perpendicular bisectors, Concurrent lines, Point of Concurrency, Circumcenter Bellwork: Set 3 goals for yourself for this class the second quarter. Review: N/A Assignment: 6-1 (1-14, 17-21)	Academic Standards: G.CO.9, G.CO.10
Wednesday	Notes:	Objective: Students will prove theorems and solve problems about angle bisectors – and apply these principles to design problems using angle bisectors in triangles. Lesson Foundations: Angle Bisectors, Constructions of, Distance formula, Perpendicular slopes Lesson Overview: Angle bisectors, point of concurrency, incenter Bellwork: Construct the angle bisector of any angle you draw. Make 3 observations. Homework: 6-2 (1-15) Aleks	Academic Standards: G.CO.10, G.CO.12

Thursday	Notes:	Objective: Students will solve problems by applying the Centroid Theorem. They will use altitudes and their understanding of slopes to determine orthocenters of triangles. Lesson Foundations: Slope, Perpendicular slope, midpoint Lesson Overview: Median, Centroid, Altitude of triangle sides, Orthocenter Bell work: Draw a line on graph paper. Find the midpoint. How do you know it's the midpoint? Draw a line. Find a random point not on the line. Connect that point and the line at a right angle. Assignment: 6-3 (1-21)	Academic Standards: G.CO.10, G.CO.12
Friday	Notes:	Objective: Students will prove, apply, and solve problems using triangle inequality theorems. Lesson Foundations: Angle-side relationships in triangles, logic, Properties of inequalities (pg. 373), Exterior angle theorem Lesson Overview: Will primarily do problems as we have already covered these principles prior to fall break. Bellwork: Fill out your Math Log Assignment: 6-4 (1-16), 6-6 (1-19 odd)	Academic Standards: G.CO.10