Name: Adam Reeck		Grading Quarter: 23-24 Q3	Week Beginning: March 18th
School Year: 2023-2024		Subject: Geometry Honors	
Monday	Notes:		Academic Standards:
Tuesday	Notes:	**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**: Fill out your math logs. Construct the angle bisector of any angle you draw. Make 3 observations. Think about points. There is something regarding right triangles I want you to discover. **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