

Teacher: Walczyk

Course: **Geometry**

Period(s): 2&3

Week of: Dates: 4/16/18

Unit Title: Relationships with Triangles

State Standards: G.GCO.8, G.GCO.9

All plans are subject to change. Student progress will be monitored and adjustments will be made. **NOTE:CS = Chapter Section. Example CS1.2 is Chapter 1 Section 2 in the textbook.**

	Standards	Goals As a result of this lesson the student will be able to:	Instructional Plan	Activities (aligned, sequenced, build, time)	Student Work (Thinking & Problem Solving, Real World)	Assessment (aligned, rubrics, >2, written)	Grouping Method	Materials	Accommodations (IEP, 504, ESOL)
Monday	G.GCO.9 G.GCO.2 G.GCO.6	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: a) Measures of interior angles of a triangle sum to 180 b) Base angles of isosceles triangles are congruent Prove two triangles are congruent by applying the SAS, ASA, AAS and HL congruence conditions. Represent translations, reflections, rotations, and dilations of objects in the plane... Demonstrate that triangles and quadrilaterals are congruent by identifying a combination of translations, rotations, and reflections in various representations that move one figure onto the other.	Ch 4 Makeup test		Actively complete chapter 4 makeup test	Walk room during completion of chapter 4 test to assess progress. Performance on chapter 4 retest.	Individual	Chapter 4 makeup test Pencils calculators	Applies to IEP/504/ESOL Priority seating
Tuesday	G.GCO.8 G.GCO.9	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) Any point on a perpendicular bisector of a line segment is equidistant from the endpoints of the segment Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) The medians of a triangle meet at a point.	Review Quizzes Create notecard for chapter 5 test		Actively participate in quiz review to prep for test. Create notecard to use on Chapter 5 test	Performance on Chapter 5 test Questions during quiz review Creation of notecard	Whole class, Individual Small group		Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Wednesday	G.GCO.8 G.GCO.9	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: e) Any point on a perpendicular bisector of a line segment is equidistant from the endpoints of the segment Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: e) The medians of a triangle meet at a point.	Chapter 5 test		Actively complete chapter 5 test	Performance on chapter 5 test	Individual	Chapter 5 test	Applies to IEP/504/ESOL Priority seating

Thursday	G.GSRT5	Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.	CS 6.1 – Use Similar Polygons CS 6.2 – Relate Transformations and Similarity	Complete warm up problems Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none"> • Find the length of a missing side of a similar figure. • Identify dilations and transformations in the plane that will preserve angle measure while keeping sides proportional. Complete classwork/homework	Class discussion participation during warm up. Questioning. Walk room during lesson to ensure proper notes are being taken. Walk room practice test to assist and answer questions as needed.	Whole class, Individual Small group	Warm up problem Notes for CS 6.1/6.2 Worksheet CS6.1 & 6.2	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Friday	G.GSRT.3	Prove that two triangles are similar using AA criterion and apply the proportionality of corresponding sides to solve problems and justify results.	CS6.3 – Prove Triangles Similar by AA	Complete warm up problems Review worksheets CS6,1 & 6.2 Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none"> • Find the length of a missing side of a similar figure. • Identify dilations and transformations in the plane that will preserve angle measure while keeping sides proportional. Complete classwork/homework	Class discussion participation during warm up and worksheet review. Questioning. Walk room during lesson to ensure proper notes are being taken. Walk room practice test to assist and answer questions as needed.	Whole class, Individual Small group	Warm up problem Notes for CS 6.3 Worksheet CS6.3	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer