

Teacher: Walczyk

Course: **Geometry**

Period(s): 2&3

Week of: Dates: 3/19/18

Unit Title: Congruent Triangles

State Standards: G.GCO.2, G.GCO.6, G.GCO.7, G.GM.1, G.GM.2, G.GCO.9.5

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.1, G.GCO.8 G.GGPE.5	Define angle, perpendicular, parallel line, line segment, and skew in terms of the undefined notions of point, line and plane. Prove, and apply in mathematical and real-world contexts, theorems about lines and angles, including the following: b) When a transversal crosses parallel lines, alternate interior angles & alternate exterior angles are congruent while consecutive interior angles are supplementary, Perpendicular lines form four right angles Analyze slopes of lines to determine whether lines are parallel, perpendicular, or neither...Solve geometric and real-world problems involving lines and slope.	Complete CSI Reinforcement Activity		Actively participate in CSI reinforcement activity.	Walk room practice test to assist and answer questions as needed and assess team progress. Completion of CSI Activity.	Small group	CSI Activity packet	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Tuesday	G.GCO.9	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 Base angles of isosceles triangles are congruent	Warm Up CS 4.1 - Apply Triangle Sum Properties CS 4.2 - Apply Congruence and Triangles		Complete warm up problems Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none"> Classify triangles and their angle measures. Identify triangle congruence theorems. Apply this knowledge to complete proofs about triangles. Complete classwork	Class discussion participation during warm up. Questioning. Walk room practice test to assist and answer questions as needed.	Whole class, Individual Small group	Warm up problem Notes for CS4.1 and CS4.2 Worksheet 4.1 and 4.2	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Wednesday	G.GCO.9 G.GCO.7	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.	Warm Up CS 4.4 - 4.8 combined – Triangle congruence conditions		Complete warm up problems Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none"> Identify conditions of triangle congruence Apply triangle congruence conditions to proofs about triangles. Complete classwork	Class discussion participation during warm up. Questioning. Walk room practice test to assist and answer questions as needed.	Whole class, Individual Small group	Warm up problem Notes for CS4.4 – 4.8 combined. Packet for 4.4-4.8 combined.	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer

Thursday	<p>G.GCO.9</p> <p>G.GCO.7</p>	<p>Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following:</p> <p>c) Measures of interior angles of a triangle sum to 180</p> <p>d) Base angles of isosceles triangles are congruent</p> <p>Prove two triangles are congruent by applying the SAS, ASA, AAS and HL congruence conditions.</p>	<p>Warm Up</p> <p>Completion of packet 4.4-4.8 –</p> <p>Review answers to packet.</p>	<p>Complete warm up problems</p> <p>Complete packet 4.4-4.8</p> <p>Correct packet – write correct answers in packet.</p>	<p>Walk room during warm up to evaluate.</p> <p>Walk room during packet completion to assess.</p> <p>Class discussion during packet review.</p>	<p>Whole class</p> <p>Individual</p>	<p>Packet answers</p>	<p>Applies to IEP/504/ESOL</p> <p>Priority seating</p> <p>Modeling, pair with appropriate peer</p>
Friday	<p>G.GCO.2</p> <p>G.GCO.6</p>	<p>Represent translations, reflections, rotations, and dilations of objects in the plane...</p> <p>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.</p>	<p>Warm Up</p> <p>CS 4.3 – Relate Transformance and Congruence</p> <p>CS 4.9 - Perform Congruence Transformations</p>	<p>Complete warm up problems</p> <p>Take notes and participate in lesson problems to reinforce concepts.</p> <ul style="list-style-type: none"> • Create congruent triangles using reflection, rotation, and translation or a combination of the above. • Identify if triangles are congruent. <p>Complete classwork</p>	<p>Class discussion participation during warm up.</p> <p>Questioning.</p> <p>Walk room practice test to assist and answer questions as needed.</p>	<p>Whole class,</p> <p>Individual</p> <p>Small group</p>	<p>Warm up problem</p> <p>Notes for CS4.3 and CS4.9</p> <p>Worksheet 4.3 and 4.9</p>	<p>Applies to IEP/504/ESOL</p> <p>Priority seating</p> <p>Modeling, pair with appropriate peer</p>