

Teacher: Walczyk

Course: **Geometry**

Period(s): 2&3

Week of: Dates: 2/19/18

Unit Title: Reasoning and Proof

State Standards: G.GCO.8

* 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.8	Prove and apply in mathematical and real-world contexts, theorems about lines and angles including the following: a) Vertical angles are congruent	Warm up problems CS2.5 – Reasoning Using Properties from Algebra Guided practice. Individual help CS2.5 problems – in class, finish for homework	Complete warm up problems Take notes and participate in lesson problems to reinforce concepts Complete classwork	Walk room during warm up to assist if needed Class discussion participation. Questioning. Walk room during individual work to ensure understanding during classwork.	Whole class, Individual. Small group	CS2.5 warm up problems and class notes, CS2.5 worksheets	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Tuesday	G.GCO.8	Prove and apply in mathematical and real-world contexts, theorems about lines and angles including the following: b) Vertical angles are congruent	Warm up problems CS2.6 – Prove Statements about Segments and Angles Guided practice. Individual help CS2.6 problems – in class, finish for homework	Complete warm up problems Take notes and participate in lesson problems to reinforce concepts Complete classwork	Walk room during warm up to assist if needed Class discussion participation. Questioning. Walk room during individual work to ensure understanding during classwork.	Whole class, Individual. Small group	CS2.6 warm up problems and class notes, CS2.6 worksheets	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Wednesday	G.GCO.8	Prove and apply in mathematical and real-world contexts, theorems about lines and angles including the following: c) Vertical angles are congruent	Warm up problems CS2.7 – Prove Angle Pair Relationships CS2.7– in class Start practice Proofs	Complete warm up problems Take notes and participate in lesson problems to reinforce concepts Complete classwork Identify postulates and theorems to complete proofs.	Walk room during warm up to assist if needed Class discussion participation. Questioning. Walk room during individual work to ensure understanding during classwork.	Whole class, Individual. Small group	CS7 warm up problems and class notes, CS2.7 worksheets	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Thursday	G.GCO.8	Prove, and apply in mathematical and real-world contexts, theorems about lines and angles, including the following: a) Vertical angles are congruent	Practice Proofs – Complete guided practice proofs	Identify postulates and theorems to complete proofs.	Walk room during warm up to assist if needed	Small group	Practice proofs Postulate lists	Applies to IEP/504/ESOL Priority seating, Modeling, Group with higher level partners
Friday	G.GCO.8	Prove, and apply in mathematical and real-world contexts, theorems about lines and angles, including the following: b) Vertical angles are congruent	Proof Activities – Teams work to complete proofs to prove a variety of theorems including segment addition, angle addition, vertical angles congruence, and supplementary angles.	Identify postulates and theorems to complete proofs.	Walk room during warm up to assist if needed	Small group	Proofs Postulate cards Markers/colored pencils Scissors Large pieces of paper Glue sticks	Applies to IEP/504/ESOL Priority seating, Modeling, Group with higher level partners