

Teacher: Walczyk

Course: **Geometry**

Period(s): 2&3

Week of: Dates: 2/12/18

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)
<b>Monday</b>	G.GCO.1 G.GCO.11 G.GGPE.6 G.GGPE.7 G.GM.1 G.GM.2	Define angle, perpendicular & parallel lines, line segments, and rays in terms of points, lines and planes. Construct geometric figures with a variety of tools. Given two points, find the point on the line segment between the two points that divides the segment into a given ratio. Use the distance and midpoint formulas to determine the distance and midpoint in a coordinate plane. Use geometric shapes, their measures, and their properties to describe real-world objects. Use geometry concepts and methods to model real-world situations and solve problems using a model.	Complete test review Chapter 1 test	Actively participate in test review Complete chapter 1 test	Questioning during test review Monitoring during chapter 1 test	Whole class, Individual	Chapter 1 test versions	Applies to IEP/504/ESOL Priority seating, Modeling, test in resource room
<b>Tuesday</b>	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 CS2.1 – Using Deductive Reasoning CS2.4 – Using Postulates and Diagrams Guided practice. Individual help CS2.1 & CS 2.4 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	CS2.1 and 2.4 warm up problems and class notes, CS2.1 and 2.4 worksheets	Applies to IEP/504/ESOL Priority seating, Modeling, (IEP quiz in resource as needed)
<b>Wednesday</b>	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 CS2.5 – Reasoning Using Properties from Algebra CS2.6 – Prove Statements about Segments and Angles Guided practice. Individual help CS2.5 & CS 2.6 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	CS2.5 and 2.6 warm up problems and class notes, CS2.5 and 2.6 worksheets	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
<b>Thursday</b>	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	CS2.5 and 2.6 warm up problems and class notes, CS2.5 and 2.6 worksheets	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer

Friday	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	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
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