		Tooele County Lesson Plan Te	emplate		
Class:	Secondary Math 1 Triangle Congruence Reciprocal Teaching	G.CO.8 Explain how the triangle congruent terms of rigid motions. G.CO.7 use the de triangles are congruent if and only if corre congruent.	nce (ASA, SAS, and SSS) follow from the definition of congruence in lefinition of congruence in terms of rigid motions to show that two responding pairs of sides and corresponding pairs of angles are		
What do I wan	t my students to learn and be	able to do? Learning Objective in Student Friendly La	nguage (Post in class for stue	dents to see.)	
Use the i	reciprocal teaching s	trategies and apply triangle congruer	nce theorems to det	termine if two triangles are	
		congruent.			
	Tier 1 Instructio	n - Step by Step Procedure	Considerations for Special	What will I do if they don't learn it?	
15 minutes 5 minutes	Performance Quizette - Com Homework Q&A	bining and Evaluating Functions	Populations:	(Tier 2 & 3 interventions)	
5 minutes 2 minutes 3 minutes 2 minutes 5 minutes 5 minutes	Review triangle congruence t Why does AAS triangle congr Why doesn't SSA triangle con Discuss: Is AAA a triangle con Discuss: Vertical angles are co Practice labeling sides and ar	heorems uence work? gruence work? (Use TI Nspire to demonstrate) gruence theorem? Definition of Similarity ongruent, sides are congruent by reflexivity gles of triangles to and compare order	*Reciprocal Teaching	*one on one instruction and modeling with Triangle congruence frame	
5 minutes	Model Reciprocal teaching w Predict: (right or wrong, does prediction. Question: "Is ther other questions. Clarify: Clari they congruent? why or why	ith first problem m't matter) so long as info is used for thoughtful e anything that isn't marked that is congruent?" plus fy by labeling triangles and comparing. Summary: Are not?	What explicit teaching strategies need to be emphasized?	What will I do if they already know it? (What additional challenges will I assign?)	
5 minutes 25 minutes 5 minutes	Break into groups and assign Groups use Reciprocal Teach Questions and homework	roles with popsicle sticks. ing strategy, rotating roles after each question.	*modeling *reciprocal teaching	*After proving triangle congruence, determine the transformation that will map one triangle onto the other.	
Key Vocabular	y :		-	*Write two column proofs to prove triangle congruence.	
Congruence Similarity Triangle Congr	uence Theorems: ASA, SAS, SS	Vertical Angles Reflexive Property S, AAS			
How will you k	now that they learned the m	aterial?	Resource	ces/Materials Needed:	
6.6 homework 6.5.6 Triangle (congruence quiz		Triangle Congruence Frame Reciprocal Teaching Triang TI Nspire to show SSA trian	e le Congruence Task gle incongruence	
Reflect on how	<i>v</i> the lesson was received by t	he students:		5 5	



Math 1	Names
In Class Reciprocal Teaching Task	Ivanes
State if the two triangles are congruent. If they are, st 1) Purple - Predict Ar Green - Question a. Predict: What is your groups predicton? Congruent	Label c. Clarify: What do you know about the two triangles? What do you need to know? Dowle have 3 pieces of info ?
b. Questions: What are the questions you need to ask to help understand the problem? Anything \leq that isn't marked ? which commune properity ?	d. Summary: What is your solution and wh does it work and what does it mean about th triangles? $A_1 S A_2 \qquad A_1 S A$ $\cong by A S A$

In Class Reciprocal Teaching Task

State if the two triangles are congruent. If they are, state how you know.



a. Predict: What is your groups predicton?

b. Questions: What are the questions you need to ask to help understand the problem?



d. Summary: What is your solution and why does it work and what does it mean about the triangles?



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b. Questions: What are the questions you need to ask to help understand the problem?

c. Clarify: What do you know about the two triangles? What do you need to know?

d. Summary: What is your solution and why does it work and what does it mean about the triangles?



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a. Predict: What is your groups predicton?

b. Questions: What are the questions you need to ask to help understand the problem?

c. Clarify: What do you know about the two triangles? What do you need to know?

d. Summary: What is your solution and why does it work and what does it mean about the triangles?

State what additional information is required in order to know that the triangles are congruent for the reason given.



Period

Write a statement that indicates that the triangles in each pair are congruent.



State if the two triangles are congruent. If they are, state how you know.



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State what additional information is required in order to know that the triangles are congruent for the reason given.

17) SAS



18) SSS



19) AAS



20) AAS

