

Podcast Project

Standards:

- Students will be able to identify and apply properties of triangles
- Students will be able to analyze congruent figures
- Students will be able to apply properties of points, lines, and planes

We have been spending time studying congruent triangles and working on how to prove that two triangles are congruent. You and a partner will now create a podcast using a tablet computer. I will give you a proof that includes a diagram, given information, and what you are trying to prove. I would like you and your partner to complete the proof on the tablet computer, describing all of your steps as you write them. Be sure to describe how the properties of points, lines, angles, and triangles are used in your proof and help you to prove that the triangles are congruent. Both you and your partner must talk for part of your podcast. I will be grading you on the accuracy of your proof and the clarity of your explanation.

Total score: _____ / 20

	Poor	Good	Excellent
Proof is constructed correctly	There are 3 or more errors in the steps of the proof (1 pt)	Most steps in the proof are correct, with one or two errors (3 pts)	All steps in the proof are correct (5 pts)
Proof includes correct properties of points, lines, angles, and triangles	Students do not use the correct properties to justify their steps (1 pt)	Students use most of the correct properties of points, lines, angles, and triangles to justify their steps, but there are minor errors (3 pts)	Students use correct properties of points, lines, angles, and triangles in their proof to justify their steps (5 pts)
Students use correct congruence postulate	Students do not use the correct postulate to prove congruence (1 pt)		Students use the correct postulate to prove congruence (2 pts)
Podcast contains a complete and clear description of how to complete the proof	Podcast contains a description that is missing a lot of information and is difficult to understand (0 – 2 pts)	Podcast contains a description that is slightly unclear or incomplete (3 – 5 pts)	Podcast contains a complete and clear description of how to complete the proof (6 – 8 pts)

