

Any standard **highlighted in yellow** has been determined by our WCSD teachers, district and state experts as essential for students to master.

<p>Strand 10.G.CO.9-11: I can prove geometric theorems. I can use multiple ways to write proofs.</p>			
<p>Standard 10.G.CO.9: I can prove theorems about lines and angles.</p>			
<p>Learning Targets</p> <ul style="list-style-type: none"> I can use narrative paragraphs, flow diagrams, two-column format, and diagrams to prove theorems. I know that vertical angles are congruent. I know that when a transversal crosses parallel lines, alternate interior angles are congruent. I know that corresponding angles are congruent I know that points on a perpendicular bisector of a line segment are exactly those equidistant from the segment's endpoints. 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> theorems, vertical angles, congruent, transversal parallel lines, alternate interior angles, corresponding angles, perpendicular bisector, line segment, equidistant, segment, endpoints 	<p>Question Stems</p> <ul style="list-style-type: none"> What other math can you connect with this? What strategy did you use? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> <u>District CFAs</u>

Standard 10.G.CO.10: I can prove theorems about triangles.			
<p>Learning Targets</p> <ul style="list-style-type: none"> • I know that measures of interior angles of a triangle sum to 180°. • I know base angles of isosceles triangles are congruent. • I know the segment joining midpoints of two sides of a triangle is parallel to the third side and half the length. • I know the medians of a triangle meet at a point. 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> • triangle, theorem, interior angles, triangle sum, base angles, isosceles triangle, congruent, midpoint, parallel, median 	<p>Question Stems</p> <ul style="list-style-type: none"> • How are these the same? How are they different? • How have you shown your thinking? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> • <u>District CFAs</u>
Standard 10.G.CO.11: I can prove theorems about parallelograms.			
<p>Learning Targets</p> <ul style="list-style-type: none"> • I know opposite sides are congruent in a parallelogram. • I know that opposite angles are congruent in a parallelogram. • I know the diagonals of a parallelogram bisect each other. • I know rectangles are parallelograms with congruent diagonals. 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> • congruent, parallelogram, angles, diagonal, bisect 	<p>Question Stems</p> <ul style="list-style-type: none"> • What was the most challenging part of the task? Why? • What questions arose as you worked? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> • <u>District CFAs</u>