## **UNIT OF STUDY**

Title: Uni	t 6	Subject/Cours	e: Geometry	Length:	10 days	
Topic: Qua	adrilaterals	Grade: 10	0th	Designer: Boyd		
UNIT GOALS AND EXPECTATIONS						
STUDENT L R.4.G.1 E quadrilate: CGT.5.G.: type of fig (parallelog	5 Determine, given a set of gure based on its properties gram, isosceles triangle, traj	erties of points, the pezoid)	<ul><li>Wh</li><li>Wh</li><li>Wh</li><li>Wh</li><li>con</li></ul>	QUESTIONS: at are the types of quadat is the slope formula? at is the distance formulat are the properties of at is the difference between polygons?	olla? each quadrilateral? ween convex and	
• Vo qua oct doo par • Re	DECLARATIVE KNOWLEDGE – cabulary: convex, concave, tradrilateral, pentagon, hexagon, agon, nonagon, decagon, n-go decagon, trapezoid, square, resallelogram, isosceles trapezoid view properties of angles a assify polygons based on the operties	riangle, n, heptagon, on, ctangle, kite, id, rhombus nd triangles	<ul> <li>De with side in the with side i</li></ul>	termine properties of h respect to parallel ses, diagonal measurer asurement of angles plore quadrilaterals are verify the type of figure distance formula to sides and diagonals of the slope formula to allel and perpendicular gonals of polygons termine the type of figure properties, when gitted in the coordinate	quadrilaterals ides, length of ments, and  and their properties are formed determine lengths f a polygon determine ar sides and gures based on ven a set of points	
UNIT ASSESSMENTS (Include tasks related to Dimensions 3 and 4 and Bloom's Taxonomy)						
<ul> <li>Open Response Unit 6 question 1 identify the type of quadrilateral given vertices</li> <li>Open Response TLI identify the type of quadrilateral given vertices</li> </ul>						
• Di: • Un • TL	Assessments: stance and Slope Quiz nit 8 Test I module test scabulary Quiz		<ul> <li>Hor</li> </ul>	nce of Learning: mework ss work		

ACTIVITIES AND LEARNING EXPERIENCES	Resources
<ul> <li>Introduce vocabulary using 4-step strategy</li> </ul>	

•	Use quadrilateral fl	ow chart to learn properties	

- "Easter Egg Hunt" Quadrilaterals Activity (students will locate examples of all types of quadrilaterals)
- Areas of quadrilaterals Activity
- Use Mastery Math to practice concepts

•	Mastery	Math	Notebook
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• Textbook pg. 371

## **Career Connections**

Architect, Furniture Designer, Mechanical Engineer, Civil Engineer, Carpenter, Construction, Cake Designer, Gemologist