Grade 6
Distance Learning Module 8: Week of: May 26th – May 29th

Grade 6 Mathematics *Modified from* [Unit 5 - Constructing and Deconstructing](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: That finding the area of triangles, quadrilaterals, and polygons can be solved by decomposing and composing complex polygons into basic polygons.

Vocabulary: area, perimeter, parallelogram, trapezoid, quadrilateral, vertices, polygon

Skills: Calculating the area of triangles, quadrilaterals (squares, rectangles, parallelograms, and trapezoids), and compound shapes**.**

You may use a calculator throughout this unit.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday:	**Memorial Day**	**No School**
Tuesday: Finding the Area of a Trapezoid	1. Khan Academy Video: Area of trapezoids (video) 2. Use this applet to see one reason that the formula for the area of a trapezoid is what we use. Use the hints to help you. https://www.geogebra.org/m/zVs6F7vt 3. Complete the Area Trapezoid Practice and submit.	Complete the Area Trapezoid Practice and submit via the Google Form.
Wednesday: Area of Basic Compound Shapes	1. Video on Composite Figures: 1.4 - More Composite Figures - Find Area of 3-Rectangle Composite Figure	Complete the Area of Basic Compound Shapes and submit via the Google Form.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
	2. Play this game to practice finding the area of compound shapes: Area of Complex Figures - Grade 6 3. Complete the Area of Basic Compound Shapes and submit.	
Thursday: Area of Compound Shapes	1. Khan Academy Video: Area of composite shapes (video) 2. The area of any polygon can be found by breaking down the polygon into more basic shapes. Use the applet below to explore this process. https://www.geogebra.org/m/QUwWt9nU 3. Complete the Area of Compound Shapes and submit.	Complete the Area of Compound Shapes and submit via the Google Form.
Friday: Area of Trapezoids and Compound Shapes	1. Complete the Area Of Composite Shapes Online Quiz and record your grade on the Google Form. 2. Complete the Area Practice Problems and submit.	1. Complete and submit your score using this form: Online Quiz Score Google Form 2. Complete the Area Practice Problems and submit via the Google Form.

Week criteria for success (attach student checklists or rubrics):

- I can calculate the area of a trapezoid.
- I know and understand the formula for calculating the area of a trapezoid.
- I can calculate the area of a compound shape.

Supportive resources and tutorials for the week (plans for re-teaching):

Parts of the Trapezoid Notes:

Parts of the Trapezoid Notes

Finding Area of Trapezoids and Compound Shapes Notes:

Finding Area of Trapezoids and Compound Shapes

Video for Finding the Area of Compound Shapes (rectangles):

YouTube video: Finding Area

Video for Finding the Area of Composite Figures (rectangles, triangles, trapezoids, etc.):

Chapter 9, Lesson 6 - Area of Composite Figures