Grade 6
Distance Learning Module 10: Week of: June 8 – June 12

Grade 6 Mathematics - *Modified from Unit 5 - Constructing and Deconstructing*

Targeted Goals from Stage 1: Desired Results

Content Knowledge:
Nets are used to find the surface area of 3-D figures.
Finding the volume of right rectangular prisms by using cubes and the formula.

Vocabulary: area, perimeter, parallelogram, trapezoid, prism, surface area, net, volume, quadrilateral, vertex, vertices, edge, face, polygon

Skills: Drawing to represent 3-D figures.
Labeling nets to find the surface area of 3-D figures.
Calculating the volume of right rectangular prisms with fractional numbers.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Volume of Rectangular Prisms	1. Watch Video-Volume of Rectangular Prisms 2. Watch Video-Volume of Rectangular Prisms or Box Examples 3. Practice calculating Volume of a Prism- you can click on "Show/Hide Volume" to check your work.	Complete Volume of Rectangular Prism Google Form
Tuesday: Nets	1. Watch Video- Geometric Nets 2. Great video and interactive- Nets of Solids (Play around with the interactives. They give you a chance to manipulate nets and 3D shapes.)	Complete Nets of 3D Shapes Google Form

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
	3. Play- Nets of 3D Shapes Game	
Wednesday: Surface Area	1. Watch Video - Surface Area 2.Surface Area Interactive ● Play with the interactive for a few minutes. ● After doing so, please answer the questions at the bottom of the page and transfer them to the Google Form.	Complete Surface Area Google Form
Thursday: Volume and Surface Area	1.Go to this interactive. Geogebra: Volume and Surface Area ● Click on either box and move it around to see all the dimensions it has. ● **Click and drag on the red dot** to enlarge the right prism ● **Click and drag on the red dot** to unfold the nets	Complete Geogebra: Volume and Surface Area Google Form
Friday: The Painted Cube Dilemma	Open the Google Form and read about the Painted Cube Dilemma. Answer the questions.	Complete and submit the Painted Cube Dilemma Google Form.

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

● Volume of Rectangular Prism Google Form
● Nets Google Form
● Surface Area Google Form
● Volume and Surface Area Google Form
● Rectangular Prism Transfer Task Google Form

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

*What is a net and how to draw https://www.youtube.com/watch?v=jVlFsmpZe6o

*Net of a triangular prism https://www.youtube.com/watch?v=2MwB0XzhqRQ

*Going from a net to a solid https://www.youtube.com/watch?v=TFshYzrrlZI

*Testing if net can become 3d https://www.youtube.com/watch?v=l7FWQKA1Qyc

*11 Nets of a Cube https://www.geogebra.org/m/RrknfdZz