

Grade 10

Distance Learning Module 7: Week of: May 18th – May 22nd

Geometry Level 3 –Modified from [Unit F: Surface Area and Volume](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Surface area as a measure of areas of the faces of prisms

Vocabulary: Surface area of rectangular prisms, cubes, cones, cylinders

Skills: using nets and/or formulas to calculate surface areas of rectangular prisms and cubes, spheres, cylinders and cones

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Surface area of rectangular prisms	Khan video: Rectangular prisms Slides 5-9	6.1 SA of rectangular prism and cube
Tuesday: Surface area of a square-based pyramid	Slides 10-15	6.1b SA of a pyramid
Wednesday: Surface area of spheres and hemi-spheres	Slides 16-23	6.1c SA of a sphere
Thursday: Surface areas of cylinders and cones	Slides 24-30	6.1d SA of cylinders and cones
Friday: Surface area of complex shapes and review	Slides 31-33	6.1e Review

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

- Students will be able to use nets to understand the derivations of formulas for surface area
- Students will be able to use nets or formulas to calculate the surface areas of three dimensional solids, including rectangular prisms, spheres, cylinders, and cones

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

Google slides

Office hours

Extra help sessions