**Full Name:** _____ **Date:** _____ **Block:** _____

# 3D Shape Activity: Part 3

In this activity, you will make your own 3D shape that will then be used to understand its physical properties such as Surface Area and Volume.

****Must show supporting work to justify your answer to receive full credit****

**Activity 1:**

- Shape MUST contain 15 cubes (no hidden or visible voids or holes)
- Draw a 3D isometric perspective starting with either the lower front left or right-hand corner of your shape.
- Calculate this shape's Surface Area (assume a unit area of 1 for each cube). Show your work and final answer on the drawing.
- Calculate this shape's Volume (assume a unit volume of 1 for each cube). Show your work and final answer on the drawing.

**Activity 2:**

- Shape MUST contain 20 - 30 cubes (no holes unless you want to really challenge yourself)
- Draw a 3D isometric perspective starting with either the lower front left or right-hand corner of your shape.
- Calculate this shape's Surface Area (assume a unit area of 1 for each cube). Show your work and final answer on the drawing.
- Calculate this shape's Volume (assume a unit volume of 1 for each cube). Show your work and final answer on the drawing.
- Keep this shape intact and grab a piece of tape to put your name on the shape and submit shape with paperwork.

**DO NOT DISASSEMBLE THIS SHAPE AS IT WILL BE USED TO ASSESS YOUR DRAWINGS AND RESULTS.**