

Name: _____

Workplace Station Contract: Geometry

Activity	Date	Points Earned	What I Learned
1. Copying Cube Things Students will look at pictures of 3-D constructions and try to build them exactly using linker cubes. Then they will calculate the volume by counting the total of the cubes			
2. Filling Boxes: Students will measure the dimensions of an open box of their choice and then calculate the surface area and volume of the box.			
3. Will It Make a Cube, Pyramid, or Triangular Prism Students examine nets of 3-D figures to determine which 3-D figure it can be folded into.			
4. Paper Nets: Students will look at a variety of polyhedra and use tagboard, tape, scissors and a ruler to create a net that will fold up into a congruent 3-D shape.			
5. Building With Geoblocks Students will use geoblocks to build a 3-D wall. Then they will sketch it and calculate the volume and surface area of their construction.			
6. Container Comparisons: Students will look at two different containers and explain which one they think will hold the most cubes. Then do actual comparisons to find out if they were correct.			
7. Charting Geoblocks: Students will draw out a variety of geoblocks from a set and examine it and record onto a chart the number of faces, edges, vertices and describe the shapes of types of faces			
8. Charting Triangles: Students will examine a collection of triangles and complete a chart to identify the angle measures and classification for each triangle.			
9. Metric Cubes: Students will construct a meter ³ using rolled newspaper and tape. Then they will determine how many centimeter ³ will fit inside it.			
10. Volume Pictures: Students will count the length, width and height on a variety of rectangular solids built from centimeter cubes and use those dimensions to calculate volume.			