

3D Shape Challenge

Directions:

1. Have students plan out their robots using the free printable.
2. Review 3D shapes and what they are made of. For example, a cylinder is made up of a rectangle and two circles.
3. Provide supplies and allow students to create a robot out of 3D shapes.
4. Have students create a story using their robot as the main character.

Needed:

1. Free printable
2. Tape
3. Constuction Paper
4. Glue
5. Blocks that are foldable
6. Free printable



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3D Challenge

Name: _____

Your challenge is to create a robot using a cylinder, cube, rectangular prism, cone, and pyramid.

Pre-planning:

1. The cylinder will be the robot's _____
2. The cube will be the robot's _____
3. The cone will be the robot's _____.
4. The pyramid will be the robot's _____.
5. The rectangular prism will be the robot's _____.

Use the 3d shapes provided by your teacher to answer the following:

1. A cube is made up of 6 _____.
2. A rectangular prism is made up of 4 _____ and 2 _____.
3. The pyramid is made up of 4 _____ and 1 _____.
4. The cylinder is made up of _____.
5. A cone is made up of _____.

Complete after you finish your robot:

1. The hardest 3D shape to make was the _____.
Why do you think this? _____
2. The easiest shape to make was the _____.
Why? _____