

- Use some empty cardboard boxes and packaging to make a model. Maybe you could make a model house, a car, a castle or a robot. Talk to an adult about the different 3D shapes you can use. Which shapes are the easiest to build with?

Take a photo or draw a picture of your finished model.

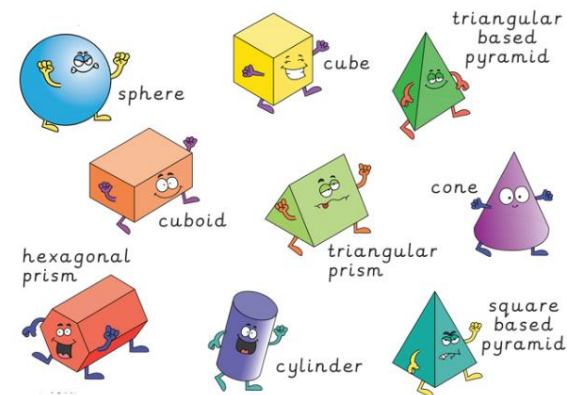
- Go on a 3D shape hunt around your house. What 3D shapes can you find? See, if you can find a sphere, a cube and a cuboid. Can you find any other 3D shapes? What are they called?

- Go around the house and collect small objects that are 3D shapes, such as a small ball, Lego brick, glue stick and a dice. Hide the objects in a bag and put your hand in the bag to choose one of the objects. Describe the properties of the shape to an adult and see if they can guess the shape you are holding. Then, they could describe a shape for you to guess!

\*Remember to use words like 'faces', 'edges' and 'vertices' when describing your shape. Does your shape roll on the floor?

- Use some play dough or salt dough to make 3D shapes. Can you make a sphere, a cube, a cuboid, a cylinder and a pyramid? Try to describe their properties to an adult.

## 3D Shape Challenge Grid



- Create your own 3D shape superhero and make a poster to share your ideas. Give it a name, describe his personality and what does he do? Don't forget to describe how your character looks – shape name and its properties.

- Can you gather some 3D objects from in and around your house and sort them in to the correct shapes? Create a bar graph to display your information to see which 3D shapes you have more of in your house.

- Hide some 3D shapes around the house and write some clues and place them around the house. Get an adult or a sibling to follow the clues and find all the shapes. Remember do not let them take the shape unless they can name it and describe its properties.