

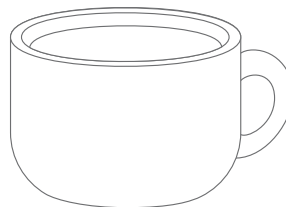
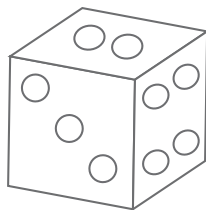
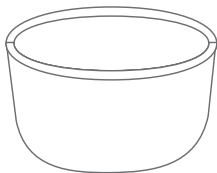
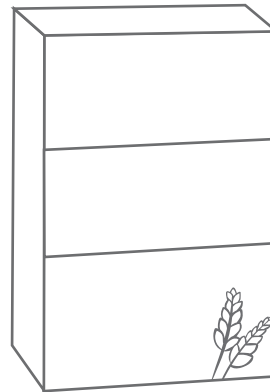
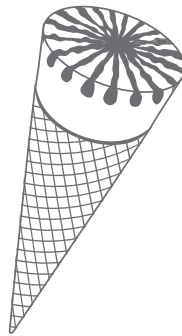
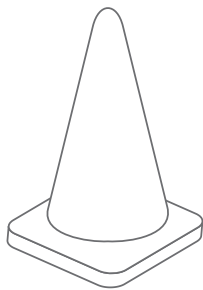
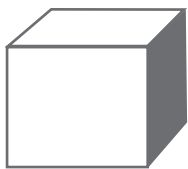
Shape up and figure it out

CAPS Statement

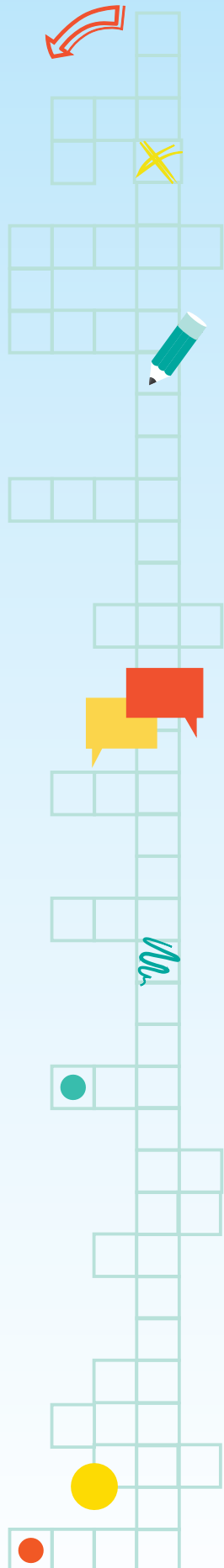
Space and shape: Learners use various characteristics to distinguish, describe, sort and compare shapes. (characteristics include: shape of faces, number of faces, flat and curved surfaces)

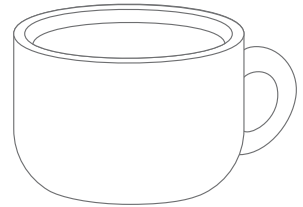
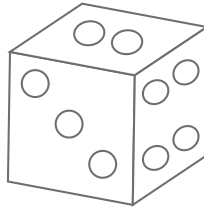
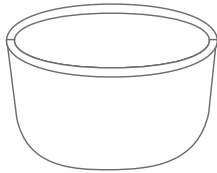
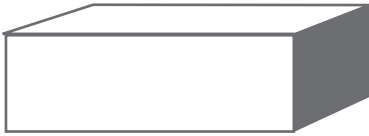
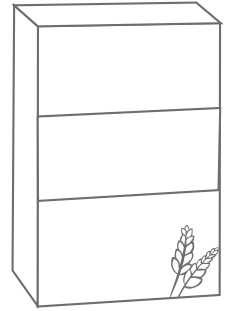
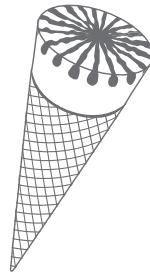
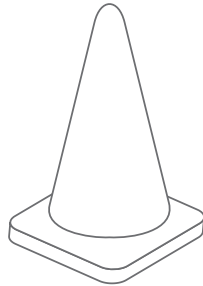
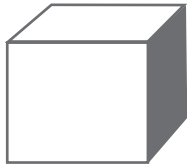
Activity 1

Look at the block with the different 3-D shapes. Follow the instructions below to complete the activity.



- ① Colour all the object(s) with no flat surfaces in orange.
- ② Colour all the object(s) with a triangular flat surface in green.
- ③ Colour all the object(s) with 6 flat surfaces in yellow.
- ④ Colour all the object(s) with a circular flat surface in blue.





- ① Colour all the object(s) that have a curved surface in red.
- ② Colour all the object(s) that have one side "missing".

Activity 2

In each of the blocks below, draw an everyday object that fits the characteristics that are described.

Something that has a curved side and one or more flat sides.

Something that has no curved sides.



Something that has no flat sides.

Something that has more than 4 flat sides.

Activity 3

Find an empty box. This can be a cereal box or a toothpaste box or any kind of box. Take the box apart carefully. Try not to tear the box and make sure that the flaps can be seen (where the box has been glued together).

Answer these questions before you take the box apart:

- ① How many sides does the box have? _____
- ② What are the shapes of the sides? List them all. _____
- ③ What shape is the box? _____

Now take the box apart. Look carefully at how it goes back together.

Lay it flat and see if you can write on the flat box which surface is the top, which is the bottom and which are the sides.

Now rebuild the box and see if you are right.

You can do this with a variety of boxes. You can also flatten the box and get a friend to decide what shape it will make before he/she rebuilds it. They can also try to write down which surface is which.

Challenge: can you find a box with a curved side?

Teacher Tip

Learners can bring everyday objects to class and see the net structures of different objects.

