



Illustration: A 3D printer constructing a house by building up layers of concrete.

## Explore

Explore the different 3D shapes, using the **3D Shapes Interactive Word Mat Activity**. Can you match the name of the 3D shape to an image?

Then, explore your home to see how many 3D shapes you can identify. How many cylinders, cubes or prisms can you spot? Are there any other 3D shapes you can find?

## Write

Imagine you have been given a job by the company building these houses. They want you to write a persuasive advert. Reread today's news story so you can gather as much information.

Jot down any facts you find in bullet points, writing only the key information — no need for long sentences!

Then, have a go at writing an advert. Think about the persuasive adjectives and adverbs you could use to sell these new houses to people.

Once you've finished writing your advert, proofread your work to check that you have made your advert as persuasive as possible.

## Investigate

When talking about 3D shapes, people often sort them by their properties. These are the number of vertices, edges and faces a shape has. You can investigate this using the **Pop Stick 3D Shapes Cards**.

Read the instructions carefully then see how many 3D shapes you can construct, using pop sticks, toothpicks or matchsticks to make them. If you have some playdough or sticky tack, you can use it to stick your corners together.

Use a piece of paper to create a table for you to record the number of faces, vertices and edges a shape has.