

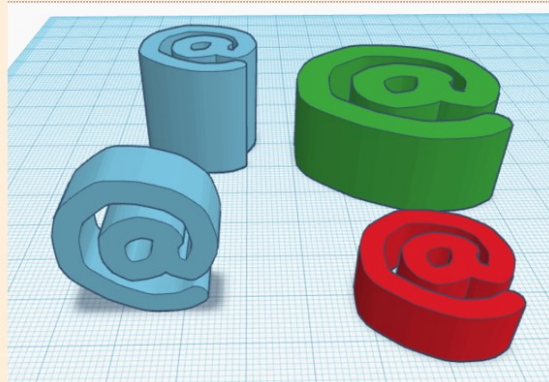
My Year 5 unit on Vector Drawings will help me with this unit.

### Key information

Challenge: Pick an object, duplicate it, and edit in different ways.

For example, you could:

- Resize
- Lift/lower
- Rotate
- Change colour



### Vocabulary

|                    |  |
|--------------------|--|
| <b>3D</b>          | Three dimensional—solid shapes that have three dimensions; length, width and height. |
| <b>Perspective</b> | The position from which you are viewing something                                    |

### Key Computing Skills and Knowledge

Know some similarities and differences between **2D** and **3D** shapes

Know why we might want to represent **3D** objects on a computer

Know that the **view tools** enable us to view the objects from different **perspectives** and **zoom in and out**

Know that the **workplane** is where we place shapes and see the **models** we create

Know how to **select, move, re-size, rotate** and **delete** a **digital 3D shape**

Know how to change the colour of a **3D shape**

Know how to **position 3D shapes** in relation to each other

Know how to **duplicate** multiple **3D objects**

Know how to add **text** to a **digital model**

Know that physical **objects** can be broken down into a collection of **3D shapes**

Know how to use a **digital 3D shape** and a **placeholder** to create a hold in an object