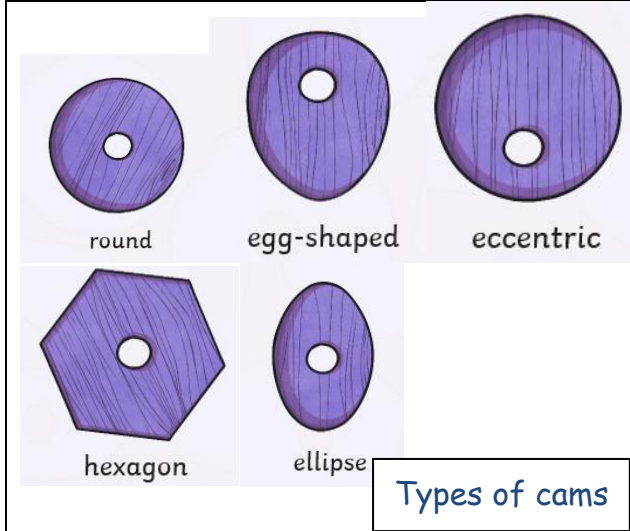
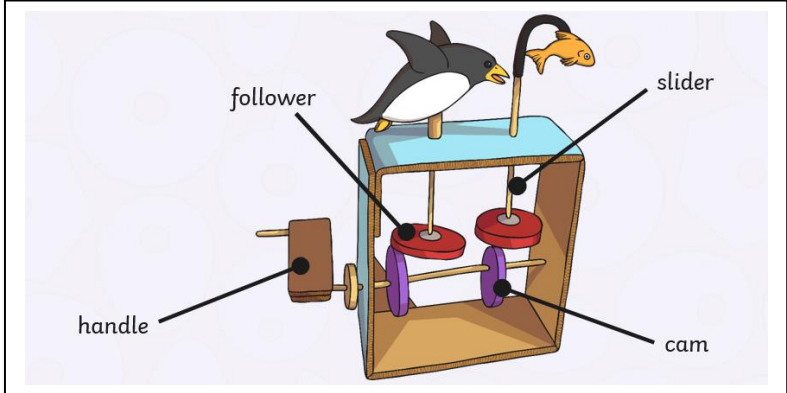




Knowledge Organiser: Design and Technology- Cam toys

Assessment question: How can a cam wheel make something move up and down?

Key Vocabulary	Definition
prototype	A full-size, working model of a product or object to test to see if it works properly before you make your finished item.
axle	An axle is a bar that goes through the wheels, keeping them in place and allowing them to turn.
rotary motion	Rotational motion involves an object rotating about an axis (axle).
linear motion	This involves an object moving from one point to another in a straight line.
pivot	To rotate, swing, or move back and forth.
mechanism	This any tool used to convert or control motion or transmit control or power.



Key facts

A cam mechanism is made up of two main components - a **cam** and a **follower**.

The **mechanism** causes **components** to move either in a **linear** motion (a straight line) or a **rotary** motion (goes round).

A **cam** is a rotating disk shaped to convert rotary into linear motion. Cams can be made out of metal, plastic or wood.

A **follower** is a component which follows the movement of the cam.