

Y5 Autumn 2: Design Technology: using a simple mechanism

Enquiry Question: Can I design and make a cam toy?

Significant individual

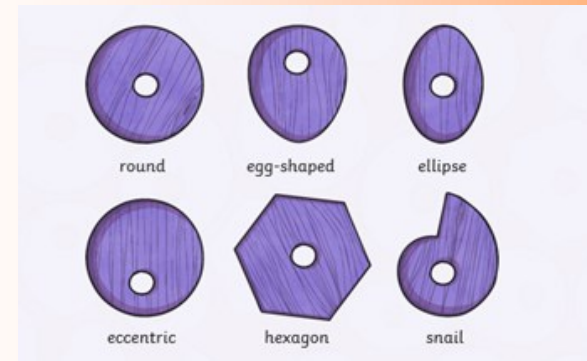


Sir James Dyson is a British inventor, industrial designer, farmer and billionaire entrepreneur who founded Dyson Ltd. He is best known as the inventor of the dual cyclone bagless vacuum cleaner, which works on the principle of cyclonic separation

Key Vocab

Cam
Industrial design
Engineer
Mechanical systems
Mechanisms
Slider
Handle
Follower
Cams - round, egg-shaped, ellipse, eccentric, hexagon, snail

There are different types of cams which create different movements



Making moving toys

A cam mechanism is made up of three components: a cam, slider and follower. The mechanism causes components to move. Cams can be made out of metal, plastic or wood.

