

Cam Mechanisms

Components

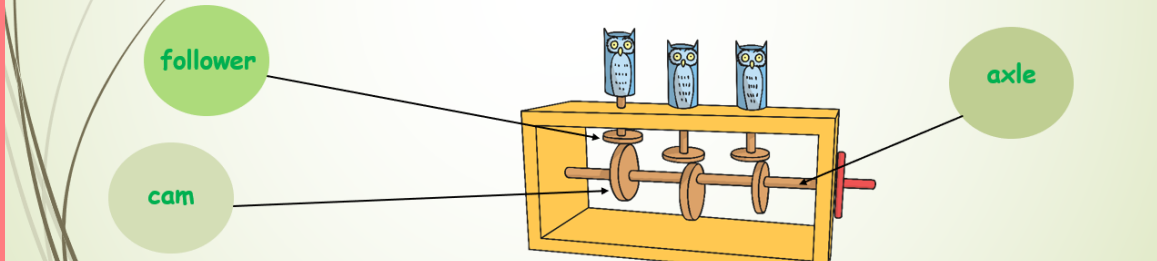
Cam - a rotating disk shaped to convert rotary into linear motion.

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

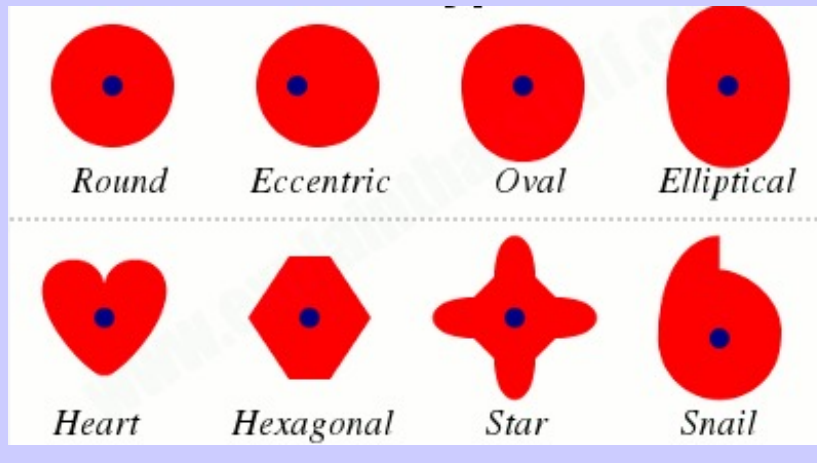
Follower - the component which follows the movement of the cam.

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

Axle - a central shaft for a rotating gear



How do different cams change the movement?



Key Vocabulary

cam, follower, axle, rotary motion, linear motion, CAFEQUES, customer, aesthetics, function, ergonomics, quality, usability, environment, safety,

CAFEQUES

CAFEQUES		Questions	CAFEQUES		Questions
C	Customer	Who is the product intended for?	Q	Quality	What design and manufacturing features will ensure a quality product?
A	Aesthetics	What appealing features will it have?	U	Usability	How easy is the product to use? Will a user guide be needed?
F	Function	What are its functions?	E	Environment	How will the product relate to the environment - recycling parts, materials used, the manufacturing process?
E	Ergonomics	How will the product relate to people's size, shape etc?	S	Safety	How will you ensure that the product is safe?