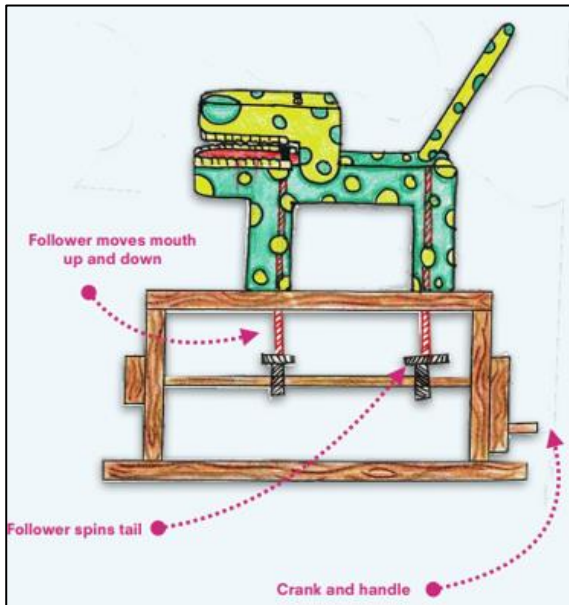


DT - Year 6 - 3.7 Cams: Automaton Toy

What should I already know?

- A pivot is the centre point around which something moves.
- Reciprocating means moving back and forth in a straight line (Pneumatic systems)

Example of a Cams Toy



Key Vocabulary

Linear reciprocating	Moving back and forth in a straight line
Eccentric Circle	A circle that has a pivot that is not in the centre
Rotary	Revolving/ moving around a centre
Dwell	To stay in one position
Automaton	A toy with mechanical figure
Product	Something that has been created or made
Purpose	The reason for which something is made
Inspiration	Where you got your ideas from
User	The person for whom the product is designed
Component	A part of a larger whole (for example a part of a machine)
Fluency	If you are fluent in something, you do it effortlessly.

Facts about Cams Toys

- Cams toys work using rotary motion/movement
- Uneven rotation of the cam makes the figures move up and down.
- This toy uses different mechanics to work hence is can also be called a mechanical toy.