



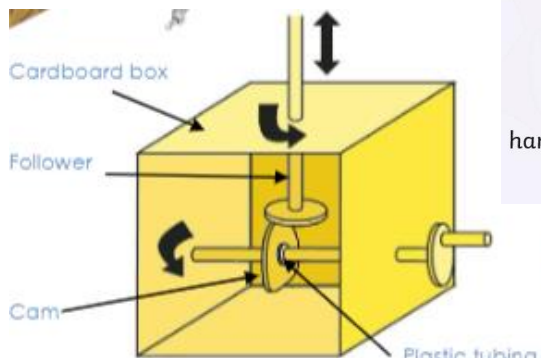
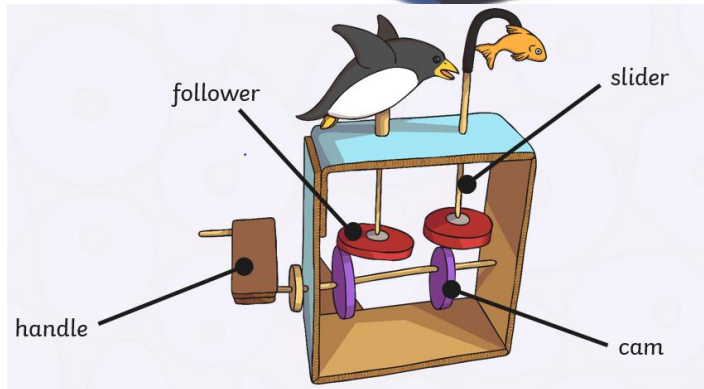
## Sticky Knowledge

### Key Knowledge

Designers have to work to a design brief considering their user in order to create a product.

Suitable materials, equipment and processes must be considered as part of a design process.

A design process should be planned alongside a design of the finished product.



A more complex cam-based mechanism with rotary and reciprocating movement.

### Design Criteria

Your moving toy should...

... appeal to children aged 4-5

... be age appropriate

... use a cam mechanism

... have moving parts

...work with ease



### Key Vocabulary

cam	A mechanism that changes one sort of movement to another.
Rotary motion	Movement that goes round
Oscillating motion	Moving to and fro around a pivot point (lever)
Reciprocating motion	Backwards and forwards movement in a straight line (slider)
follower	The device that follows the movement of the cam – a lever or a slider