

Y1 Autumn Term: Design Technology: Levers and sliders

Enquiry Question: How can pictures move?

Significant individual



Annie Atkins— a graphic designer who designs props for lots of different films and television shows.



Santa moving picture

Key Vocab

- **Mechanism** - a device used to create movement in a product.
- **Lever** - a rigid bar which moves around a pivot. Levers are used in many everyday products. In this project children will use card strips for levers and paper fasteners for pivots.
- **Slider** - a rigid bar which moves backwards and forwards along a straight line. Unlike a lever, a slider does not have a pivot point.
- **Slot** - the hole through which a lever or slider is placed to enable part of a picture to move.
- **Guide or bridge** - a short card strip used to keep sliders in place and control movement.

Different sliders and levers

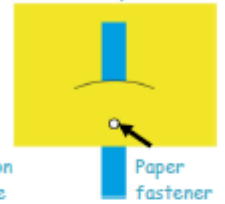
Teaching aids to demonstrate sliders and levers

KS1 - Simple slider



Guide/bridge on back of picture

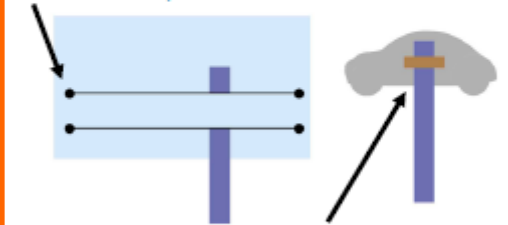
KS1 - Simple lever



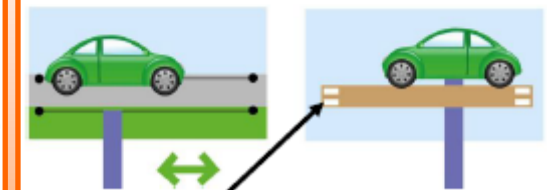
Paper fastener pivot

Sliders move from side to side and up and down

Use a single hole punch to make a hole then cut a slot

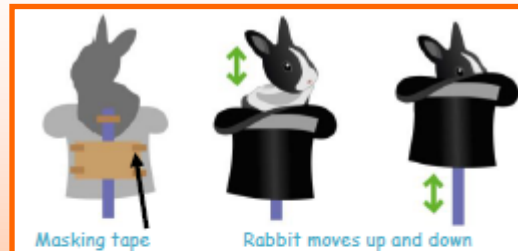


Tape or staple car onto card strip



Sticky fixers on back of card strip

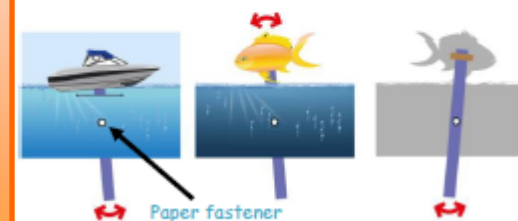
A card strip could be used instead of cutting slots to allow movement



Masking tape

Rabbit moves up and down

Levers can be used with or without a slot



Paper fastener

A card strip is used as a lever. The fish and boat are glued to the lever which is used as a handle.