



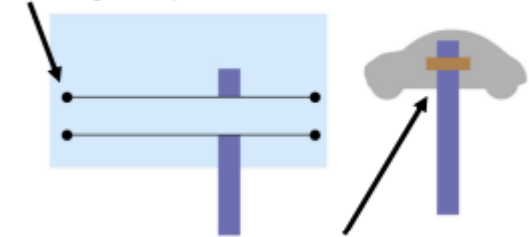
### What should I already know?

- I can identify examples of sliders and lever mechanisms in my environment.
- I can explain how the slider / lever moves
- I can describe the impact a mechanism has on a moving picture.

### Sliders

**Sliders move from side to side and up and down**

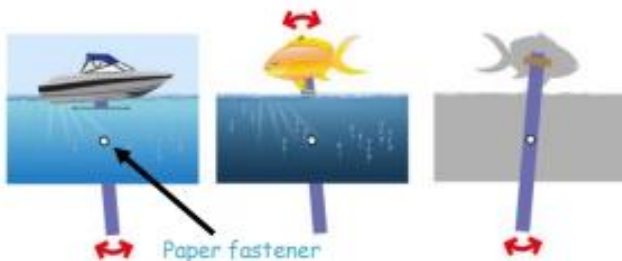
Use a single hole punch to make a hole then cut a slot



Tape or staple car onto card strip

### Levers

**Levers can be used with or without a slot**



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

### DT

**D&T stands for Design and Technology.**  
It focuses on planning, designing and creating things (called products) that people can use.

### Simple mechanisms move:

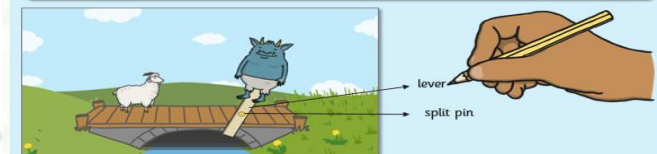
- in a straight line
- in a straight line, backwards and forwards
- round and round
- in a curve

### Technical vocabulary

Mechanism	A system of parts working together
Slider	A knob or lever that is moved horizontally or vertically to control a variable.
Lever	A rigid bar resting on a pivot, used to move a heavy or firmly fixed load with one end when pressure is applied.
Pivot	The central point/pin on which a mechanism turns.
Direction	A course along which someone or something moves.
Annotated sketch	Detailed drawing contains all information needed to make a product but is updated as changes are made.
Split pin	A metal pin with two arm passed through a hole and held in place by springing the arms apart.
Fastenings	A device that closes or secures something

### Annotated sketch

Draw a plan of what you want your picture to look like.  
Write some notes around the design to help you when making it.



I will need:

split pin

card strip

scissors

pencils

paper