



Year 2  
DT - Mechanisms: Sliders and Levers

Key vocabulary

**mechanism** Parts in a machine that work together to create movement

**lever** A rigid bar that moves around a pivot

**slider** A rigid bar that moves backwards and forwards along a straight line

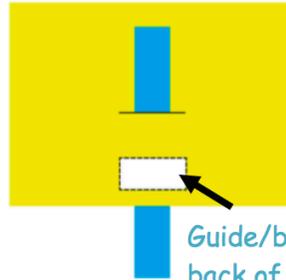
**slot** The hole that a lever or slider goes through to hold it in place

**guide or bridge** A short card strip used to keep sliders in place and control movement

**pivot** The centre of an object, the point where it turns

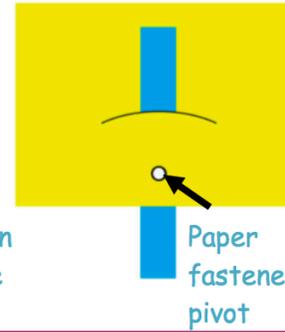
**rigid** Can't bend, not flexible

KS1 - Simple slider



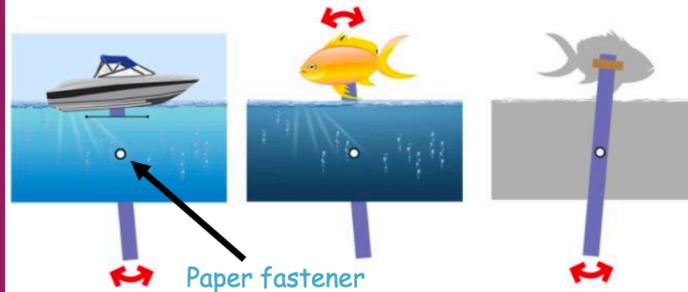
Guide/bridge on back of picture

KS1 - Simple lever



Paper fastener pivot

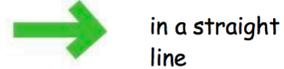
Levers can be used with or without a slot



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

Simple mechanisms

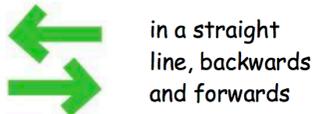
move:



in a straight line



round and round



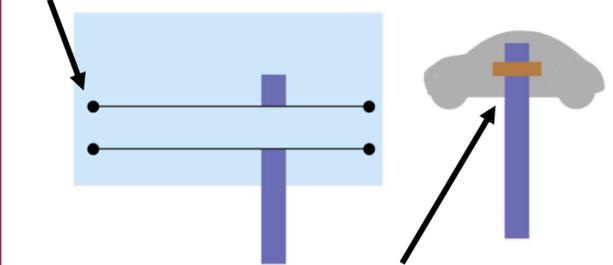
in a straight line, backwards and forwards



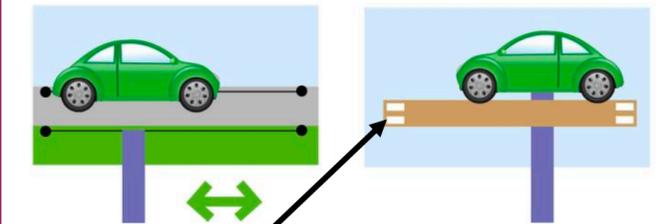
in a curve

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

