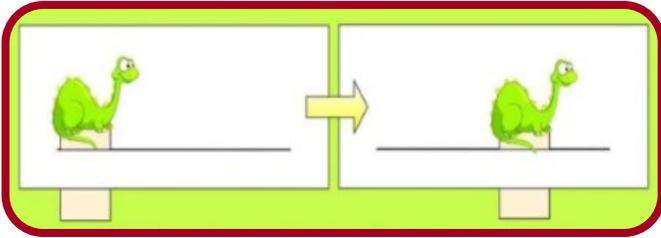


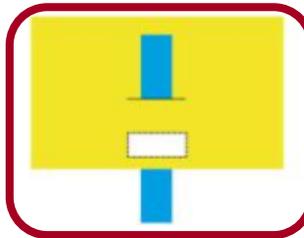
Year 1 - Levers and Sliders - How to save energy - Summer Term

How will my mechanism move?

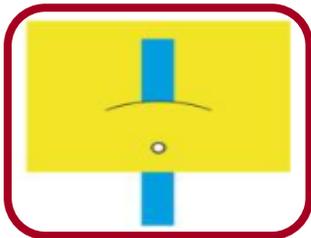
forwards and backwards slider



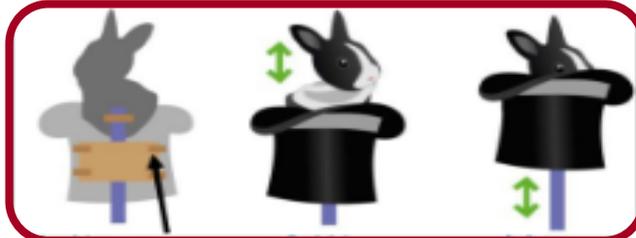
guide bridge



pivot point



push and pull slider

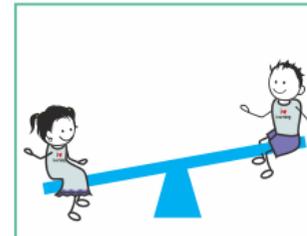


Sticky Knowledge:

- To know what a lever/slider is.
- To know what a mechanism is.
- To know the importance of recycling and saving energy.
- To know that different mechanisms produce different types of movement.



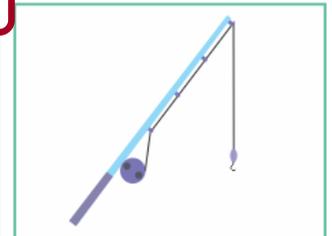
Everyday levers



Seesaw



Wheel barrow



Fishing rod

Glossary:

- 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.



Direction of motion	Description of motion
	Linear motion moves in a straight line in one direction.
	Reciprocating motion moves in a straight lines both backwards and forwards.
	Rotary motion moves in a repeating circle
	Oscillating motion moves forwards and backwards in an arc