

# YEAR 1 KNOWLEDGE ORGANISER - SLIDERS AND LEVERS

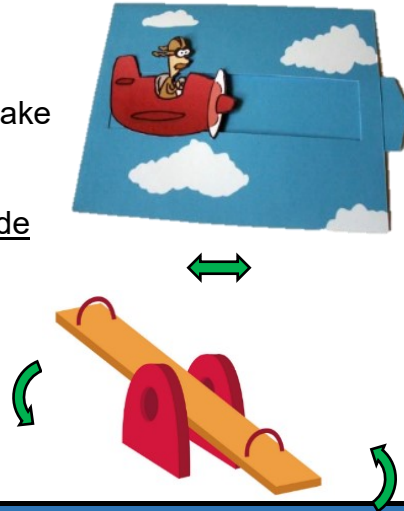
Mechanisms are the parts that make something work.

Mechanisms are all around us! Most objects that help us in our lives are made up of different mechanisms.

Sliders and Levers are mechanisms that make things move.

Sliders help to move things from side to side and up and down.

Levers are slightly more complex. They use a fulcrum (a fixed point around which the lever can pivot) to make things move in arc (curve).



	KEY VOCABULARY
<b>mechanism</b>	Something that can be used to make movement
<b>motion</b>	The movement
<b>lever</b>	A long sturdy board used to move objects or a load
<b>pivot</b>	The point at which something turns
<b>load</b>	What is being moved or lifted
<b>slider</b>	A knob or lever that is moved up, down, left or right
<b>fulcrum</b>	The fixed point for a pivot to take place
<b>Linear motion</b>	Movement in a straight line
<b>design</b>	A picture to show what something will look like
<b>evaluation</b>	Does the product work
<b>product</b>	What is being made

## Levers and Sliders in Everyday Life

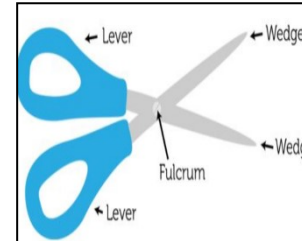
### Levers

Seesaw



A seesaw is one example of a lever mechanism. Seesaws are a narrow board supported by a fulcrum in the middle point between the two ends. As one end goes up, the other comes down!

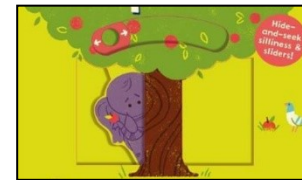
Scissors



Scissors are another example of a lever mechanism. Scissors have two levers fixed –[handles are squeezed at one end of the levers, the blades come together at the other end.

### Sliders

Children's Books



Some children's books contain slider mechanisms. As the slider is pushed/pulled, characters/objects move up and down or side to side in the book.

Drawers



-Drawers also work on a slider mechanism. As you pull/push the handle, drawers slide along a slider track inside the cabinet.