



Waterbeach Community Primary School

Curriculum Capture for Year 1

Design Technology: Levers and Sliders

Key Knowledge

What is a mechanism?

A mechanism is where materials or components are connected to make a movement.

Sliders

- Sliders make objects move, such as a character in a picture
- Sliders can move horizontally or vertically
- Movement can be described using words such as up, down, left, right, vertical and horizontal.

Levers and Pivots

- Levers move around a pivot.
- It can move in a curved motion.
- Examples of levers are see-saws, scissors and wheelbarrows.

Making a moving picture

Design

- Look at storybooks that use levers or sliders.
- Look at prototypes for how levers and sliders work.
- Create a design for your moving picture background and the moving part.

Make

- Choose the equipment needed.
- Create your background design.
- Cut the card to make your lever or slider.
- Create your moving part design.
- Attach the lever or slider to the picture background.

Evaluate

- Talk about what went well, what you like about your moving pictures.
- Talk about any changes you made and why.
- Talk about how you will make it better next time.

A split pin pivots the boat lever so that it move in a curved motion .



The fish slider would be inserted into the slit in the picture and moved side to side.

Vocabulary

Slider	A lever that is moved horizontally or vertically to control a variable.
Lever	A rigid part that can move around a point
Horizontal	Direction going across.
Vertical	Direction going up and down.
Pivot	The central point, pin, or shaft on which a mechanism turns.
Prototype	The original model (first) of something from which later forms are developed.

Key Skills

Cutting	When you cut or trim a material.
Joining	The way that we can join/attach two materials together.
Designing	To make or draw plans for something.