



Mechanisms

Sliders and Levers

Y1

In this unit, we will design, make and evaluate a moving storybook for children.

Knowing More Remembering More:

Remembering previous learning

In Reception, children will have experienced:

- using a range of small tools, including scissors, paintbrushes and cutlery.
- safely using and exploring a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.
- sharing their creations, explaining the processes they have used.

Skills

Design:

- 1.1 Use pictures and words to convey what I want to design/make.
- 1.4 Describe my models and drawings of ideas
- 1.5 Talk about how I will make my product

Make:

- 1.6 Select materials from a limited range that will meet the design criteria.
- 1.8 Select and name the tools needed for making.
- 1.9 Use suitable finishing techniques

Evaluate:

- 1.11 Explore existing products and investigate how they have been made.
- 1.13 Talk about my design and what I am making
- 1.15 Suggest how my finished product could be improved.

Vocabulary

Technical vocabulary

slider, lever, pivot, slot, bridge/guide, pull, push, up, down, straight, curve, forwards, backwards

Process vocabulary

Design, make, evaluate, user, purpose, ideas, design criteria, product, function

Names of tools, equipment and materials used

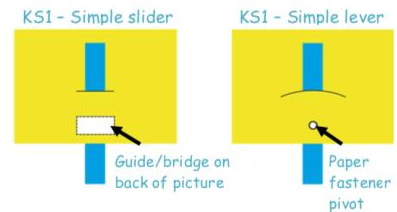
Inspiring Individuals



Thierry Bedouet

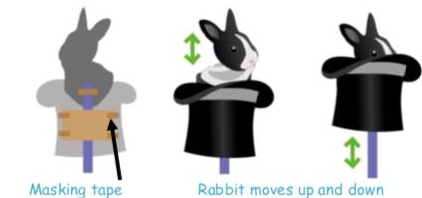
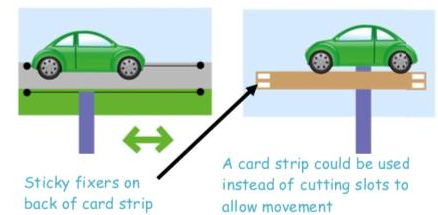
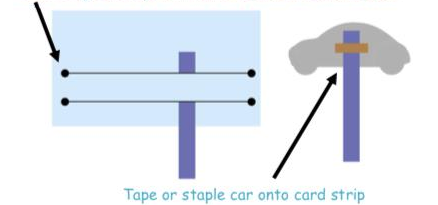
Techniques:

Teaching aids to demonstrate sliders and levers

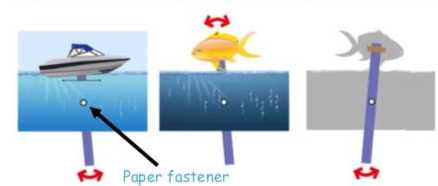


Sliders move from side to side and up and down

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



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.

Knowing More Remembering More:

Knowing more in Y1

What is a mechanism? Mechanisms are the parts that make an object work

What is a slider? A slider is something that can move from side to side or up and down.

What is a lever? A lever is a bar that moves around a pivot.

What is a pivot? A pivot is the central point on which a mechanism turns or moves.