



# 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:

- I.1 Use pictures and words to convey what I want to design/make.
- I.4 Describe my models and drawings of ideas.
- I.5 Talk about how I will make my product.

#### Make:

- I.6 Select materials from a limited range that will meet the design criteria.
- I.8 Select and name the tools needed for making.
- I.9 Use suitable finishing techniques.

#### Evaluate:

- I.11 Explore existing products and investigate how they have been made.
- I.13 Talk about my design and what I am making.
- I.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

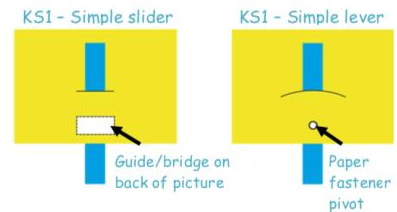
### Inspiring Individuals



Thierry Bedouet

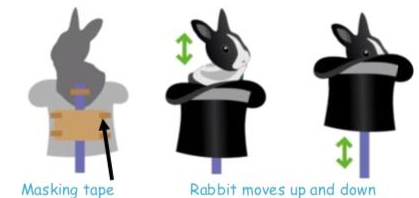
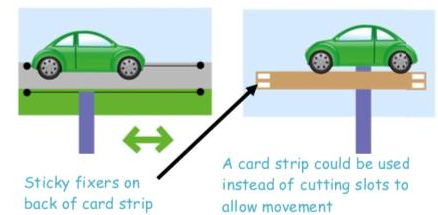
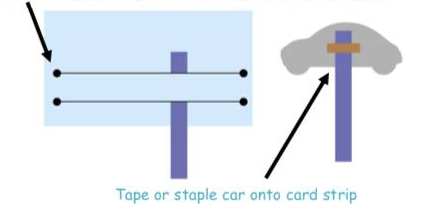
### Techniques:

#### Teaching aids to demonstrate sliders and levers

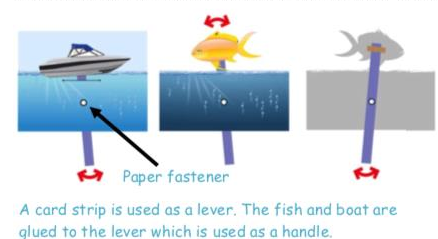


#### Sliders move from side to side and up and down

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



#### Levers can be used with or without a slot



### 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.