



Year group: Year 1  
Term: Spring  
Subject: Design Technology – Mechanisms -  
Storyboard

Key vocabulary  
Slider Slot Guide

### Prior learning

#### EYFS

Early experiences of working with paper and card to make simple flaps and hinges.  
Experience of simple cutting, shaping and joining skills using scissors, glue and masking tape

#### What comes next?

#### Year 2 Wheels and Axles

The children will have experience of using construction kits with wheels and axles to make a product that moves.. They will know how wheels and axles may be assembled as either fixed axles or free axles.

### Notes and guidance

Demonstrate simple sliders to the children using prepared teaching aids. It is helpful if these are also used in context e.g. the slider is used to show a snail appearing from behind a stone or the butterfly flying to the flower.

Teach the children that a slider is a mechanism that creates up and down or side to side movement.

Teach the three vocabulary words of slider, slot and guide.

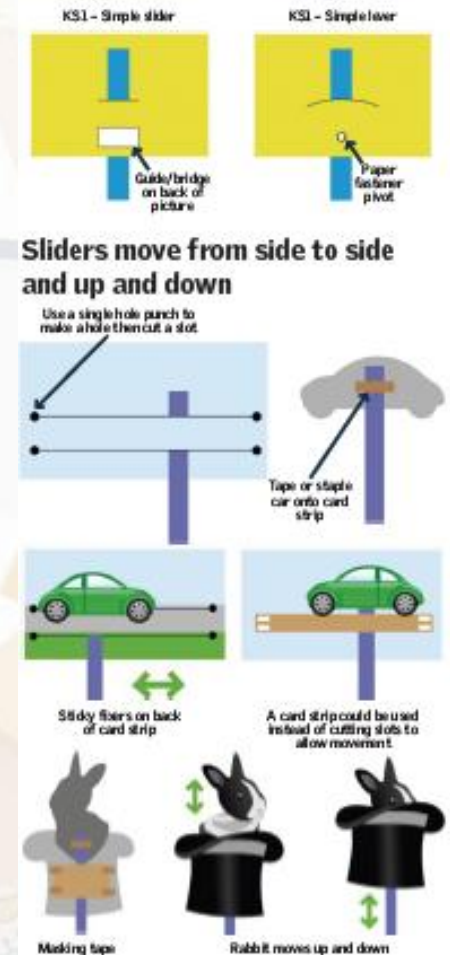
Use questions to develop the children's understanding e.g. How does the slider move?

Follow teacher demonstration of the correct use of tools (scissors) and materials.

Teach how to join materials using blue tac or glue.

Apply finishing techniques where appropriate using digital images, paint, felt tipped pens or collage.

Encourage the children to evaluate their design. What was good about it? Is there anything they would improve?



### Substantive Knowledge

To know what a slider, guide and a slot is.

To know that sliders create an up and down or forward and backwards movement.

### Disciplinary Knowledge

To know that designers sometimes draw their ideas before making their design.

### Procedural Knowledge

To select and use tools to cut, shape and join paper and card.

To use simple finishing techniques suitable for the product they are creating.

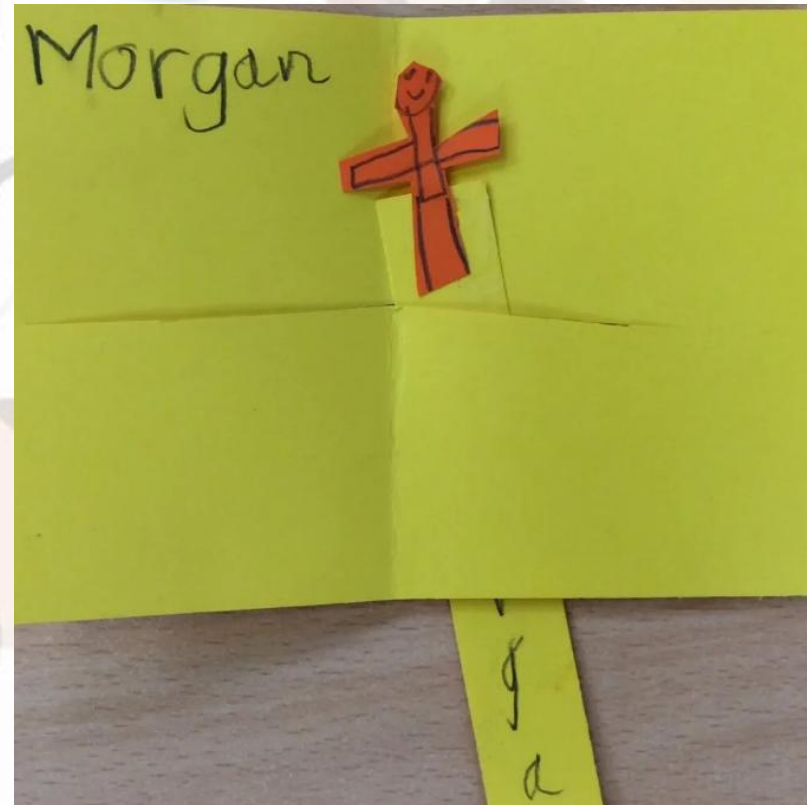
### Links to other curriculum areas

RE – Easter moving storyboard

Science - materilas

### End Points

- To be able to use creativity and imagination to create high quality products.
- To master the use of a range of design technology tools and techniques.
- To be able to design, make and evaluate their products referring to whether it is fit for purpose and meets the design criteria.



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# Key Vocabulary Explanations

- Slider — A slider is a part that moves backwards and forwards to make something move, like a door opening or a picture that slides.
- Slot — A slot is a narrow hole or gap that a slider goes through to help it move.
- Guide — A guide helps to keep the slider moving in the right place so it doesn't wobble or fall out.

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# Resources to use

- Large card or paper to model how to make a slider step by step
- Card or thick paper (for making the base picture and slider strip)
- Pre-cut slots (optional, for children who may need support)
- Scissors
- Glue sticks
- Rulers or straight edges (to help cut or draw slots)
- Pencils and erasers
- Felt-tipped pens, crayons, or coloured pencils
- Collage materials

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