



# Year 1 Design and Technology: Sliders and Levers

How can we create a moving picture?

## Prior Learning

- I have learned simple cutting, shaping and joining skills using scissors, glue, paper fasteners and masking tape.
- I have used paper and card to make things.

## Sticky Knowledge

- I can explore different storybooks and everyday things that use levers and sliders.
- I can explain how levers and sliders work to create movement.
- I can share my ideas and designs through drawings and mock-ups.
- I can plan how to create my moving picture by suggesting what to do next.
- I can select and use tools to cut, shape and join paper or card.
- I can evaluate my finished product, thinking about my user and purpose.

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.



## Vocabulary

<b>Product</b>	The item or object that is being made.
<b>User</b>	The person or people who will use the product.
<b>Purpose</b>	What the product is used for.
<b>Function</b>	What the product should be able to do to work/
<b>Design</b>	A plan or idea of what the product will be like and how it will work.
<b>Mechanism</b>	Makes part of the product move.



# Year 1 Design and Technology: Sliders and Levers

How can we create a moving picture?

Simple mechanisms move...



in a straight line



in a straight line, backwards and forwards



round and round



in a curve

## Vocabulary

<b>Rigid</b>	Something that is strong and will not bend.
<b>Slider</b>	A mechanism that moves backwards and forwards along a straight line.
<b>Lever</b>	A bar that moves around a pivot to create movement.
<b>Pivot</b>	A fixed part that holds a lever in place as it turns.
<b>Slot</b>	A wide, thin hole that allows a slider to move.
<b>Guide</b>	A short strip of card that keeps sliders in place and controls movement.

Lever in Real Life



Scissors



See Saw

Sliders In Real Life

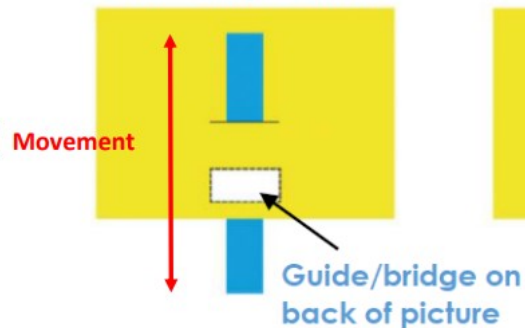


Picture Books

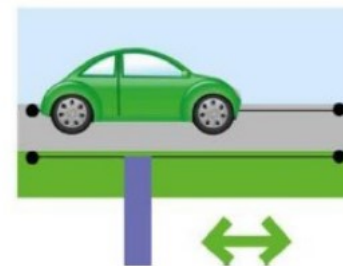
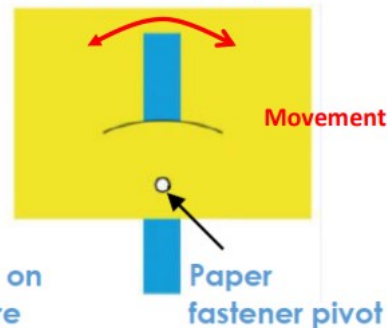


Drawers

KS1 – Simple slider



KS1 – Simple lever



Car moves left and right.



Rabbit moves up and down

