



The Project Title

Design, make and evaluate a card with a moving part for your family to celebrate Christmas.

What should I already know?

- Explored and used mechanisms such as flaps, sliders and levers.
- Gained experience of basic cutting, joining and finishing techniques with paper and card.

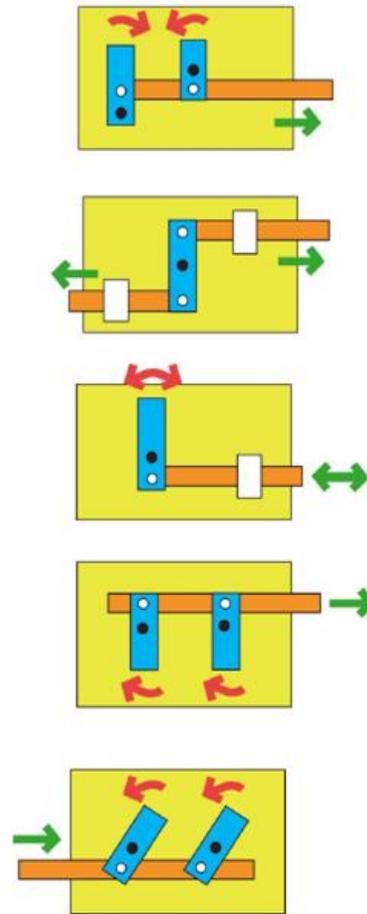
Powerful Knowledge

- Investigate, analyse and evaluate books or products with a range of lever and linkage mechanisms
- Use measuring, marking out, cutting, joining and finishing skills and techniques.
- Discuss the purpose of products
- Plan and annotate sketches and prototypes to model ideas
- Use appropriate resources to cut and stick.
- Evaluate a final product against the design criteria

Useful Diagrams

Levers and Linkages

● fixed pivot
○ loose pivot



Vocabulary

mechanism

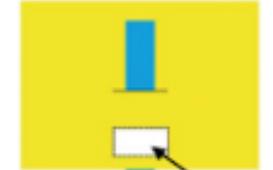
A device used to create movement in a product.



slider

A rigid bar which moved backwards and forwards along a straight line.

KS1 - Simple slider



Guide/bridge on back of picture

guide or bridge

A short card strip used to keep sliders in place.

lever

A rigid bar that moves around a pivot.

KS1 - Simple lever



Paper fastener pivot

pivot

A fixed part that holds a lever in place as it turns.