

Previous Topic

Let's build a house!

Mechanisms – Story book challenge. Year One








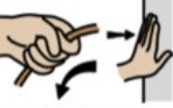
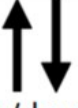


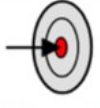
Next Topic

Just pop it in a bag.








Prior learning:

- 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, paper fasteners and masking tape.

Vocabulary:

 slider	 lever	 pivot	 design
 card	 ideas	 paper fastener	 pull/push
 up/down	 evaluate	 user	 purpose

Equipment

 paper	 card
 glue stick	 masking tape
 coloured	 pens
	 scissors

Key skills:

- To explore a range of existing books and everyday products that use simple sliders and levers. To explore and use sliders, levers and understand that different mechanisms produce different movement. To have early experiences of working with paper and card to make simple flaps and hinges.
- To develop, model and communicate their ideas through drawings and mock – ups with card and paper, explaining what they could make.
- To select and use tools, materials, skills and techniques, explaining their choices, to cut, shape and join paper and card. To use simple finishing techniques suitable for the product they are creating.
- To evaluate their product by discussing how well it works in relation to the purpose, the user and whether it meets design criteria. To know and use technical vocabulary relevant to the project.

Key Questions:

- *What is it for?*
- *What do you think will move?*
- *How will you make it move?*
- *What part of the product moved and how did it move?*
- *How do you think the mechanism works?*
- *What else could move in the product?*
- *How well does it work?*
- *How does the slider move?*
- *How does the lever move?*
- *Which part of the mechanism is the pivot?*
- *What does the movement of the slider and lever remind you of?*
- *What will be its purpose?*
- *How do you want it to move?*