

DT – Year 2
Mechanical systems: Moving
Pictures
(Previous knowledge – Mechanical Toys
- Year 1)

Vocabulary

Tier 1	Tier 2	Tier 3
up	vertical	rivets
down	sliding	lever
left	right	paper fasteners
move	attach	mechanism
join	slider	rotary
fix	split pin	travel

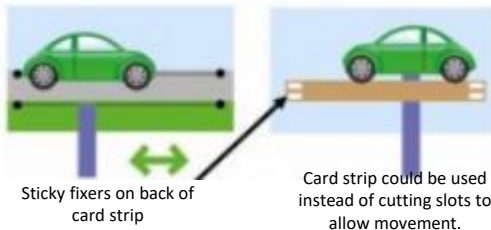
Useful Resources

Link to animals and habitats - photos, landscapes, habitats.
Animal models and stencils.
Card, split pens, tape and glue.



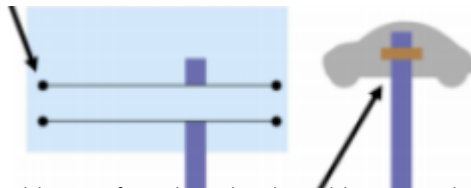
Masking tape Rabbit moves up and down

Tape car onto card strip



Sticky fixers on back of card strip

Card strip could be used instead of cutting slots to allow movement.



Sliders move from side to side and up and down. Use single hole punch to make a hole then cut a slot.



Levers can be used with or without a slot. The fish and boat are glued to the lever which is used as a handle.

Key Knowledge

Research

Investigate and analyse a range of existing products.
Explore a range of existing books and everyday products that use simple sliders and levers.

Design

Generate, develop, model and communicate their ideas through discussion and annotated sketches.

Make

Use a range of tools and equipment to perform practical tasks accurately.
Select and use tools suitable for the task explaining their choices, to cut, share and join paper and card.
Use simple finishing techniques suitable for the product they are creating.

Key Vocabulary

Spelling	Definition/Sentence
Lever	a rigid bar which moves around a pivot. Levers are used in many everyday products. In this project children will use card strips for levers and paper fasteners for pivots
Mechanism	A device used to create movement in a product.
Slider	a rigid bar which moves backwards and forwards along a straight line. Unlike a lever, a slider does not have a pivot point
Slot	the hole through which a lever or slider is placed to enable part of a picture to move.
Guide or bridge	a short card strip used to keep sliders in place and control movement