



### Key Vocabulary

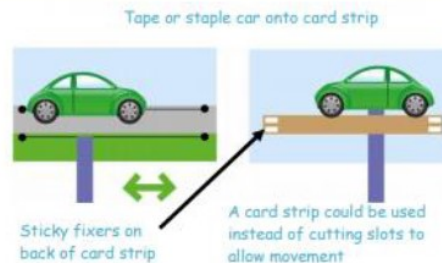
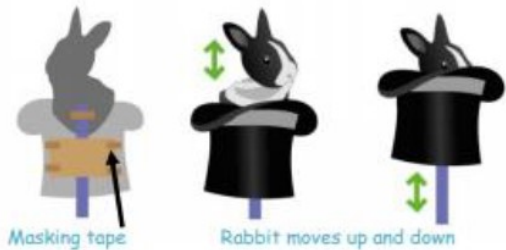
Spelling	Definition/Sentence
Lever	a rigid bar which moves around a pivot. Levers are used in many everyday products. In this project children will use card strips for levers and paper fasteners for pivots
Mechanism	A device used to create movement in a product.
Slider	a rigid bar which moves backwards 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

### Key Knowledge

#### Design Process

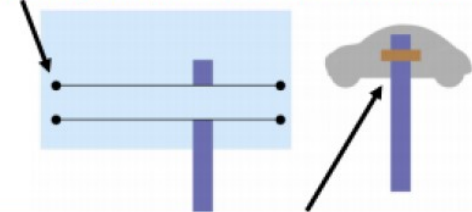
<b>Research</b>	Investigate and analyse a range of existing products. Explore a range of existing books and everyday products that use simple sliders and levers
<b>Design:</b>	Generate, develop, model and communicate their ideas through discussion and annotated sketches
<b>Make</b>	Use a range of tools and equipment to perform practical tasks accurately. Select and use tools suitable for the task, explaining their choices, to cut, shape and join paper and card. • Use simple finishing techniques suitable for the product they are creating
<b>Evaluate</b>	Evaluate their product by discussing how well it works in relation to the purpose and the user and whether it meets design criteria.

### Diagrams

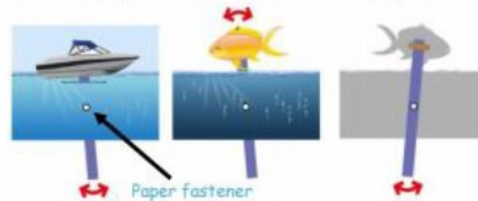


#### Sliders move from side to side and up and down

Use a single hole punch to make a hole then cut a slot



#### Levers can be used with or without a slot

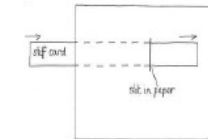


A card strip is used as a lever. The fish and boat are glued to the lever which is used as a handle.

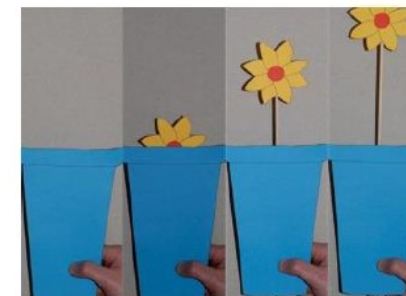
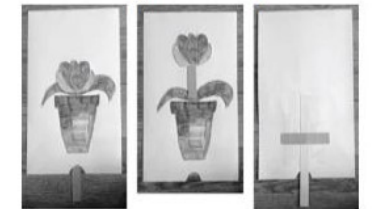
### Examples of a lever

#### An example of a slider

Sliders can be used to make objects move. In simple terms, a push or pull on one end of a rod results in the other end moving.



#### A moving flower picture



How simple mechanisms move:

