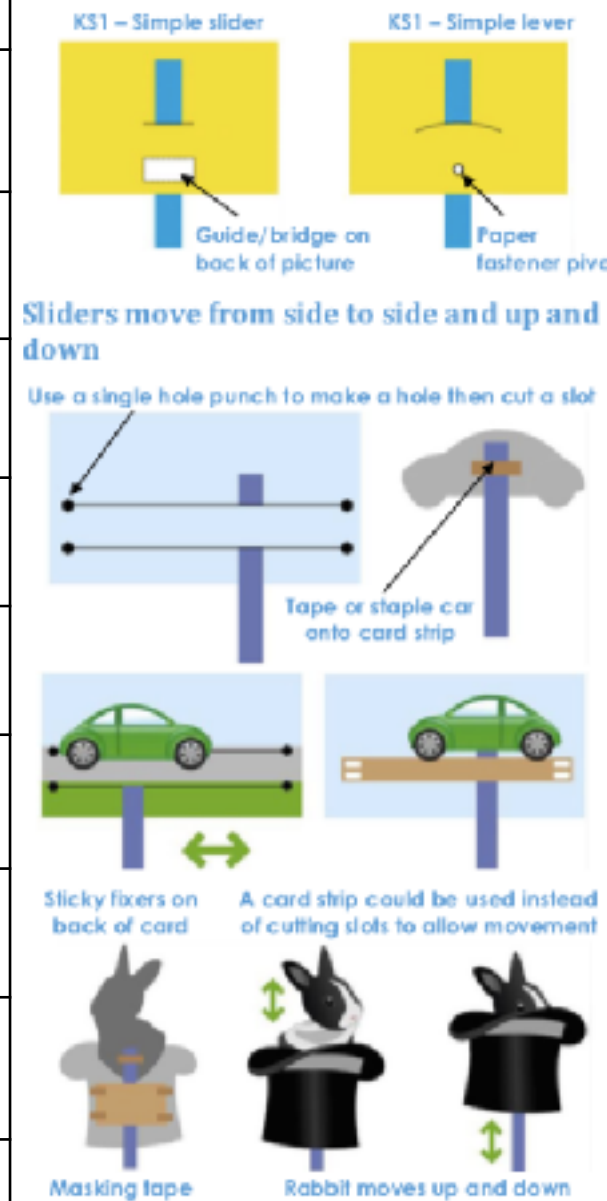


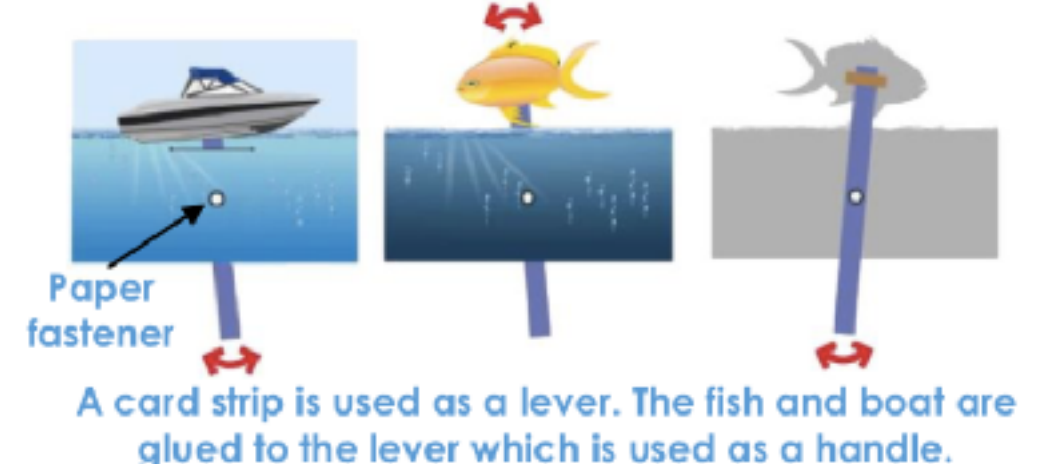
Sliders and Levers

Design and Technology Engineer Knowledge Organiser

Key Vocabulary	
Slider	A mechanism that moves side to side or up and down.
Lever	A mechanism that moves in a curve around a pivot.
Pivot	A central point that a mechanism moves around.
Mechanism	A number of parts working together, often to produce motion.
Push	To use force to move something away from you.
Pull	To use force to move something towards you.
Design	A plan or drawing to show how something will be made and work.
Make	To put parts together to create something.
Evaluate	To decide the value or success of something.
Join	To link or connect.

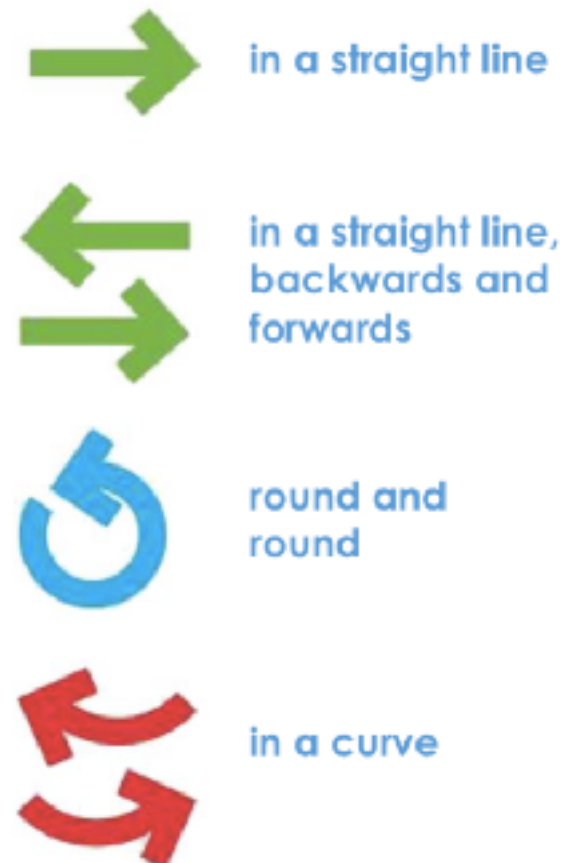


Levers can be used with or without a slot



Moving mechanisms can be found in many products we use around us. We can recreate some of these mechanisms using simple materials such as card, scissors and split pins to produce our own products.

Simple mechanisms move...



MAKING LINKS TO PREVIOUS LEARNING

Textiles	Materials such as fabric can be joined by sewing or weaving. A running stitch is commonly used in sewing. A template can be used to cut out shapes in materials such as fabric.
DT process	It is important for an engineer to decide which product they are designing and making, who it is for and what its purpose should be (i.e. what it is for).