

Design Technology Subject Knowledge Bank Year 2: Levers & Hinges

Vocabulary	Definition
Design brief	The plan for what you are going to make.
Hinge	A movable joint or mechanism on which a door, gate, or lid swings as it opens and closes or which connects linked objects.
Lever	A bar resting on a pivot, used to move something with one end when pressure is applied to the other.
Pivot	The central point, pin, or shaft on which a mechanism turns.
Spilt pin	a metal pin with two arms passed through a hole, held in place by the springing apart of the arms.
Finished product	The finished item that you have made
Assemble	To put together.

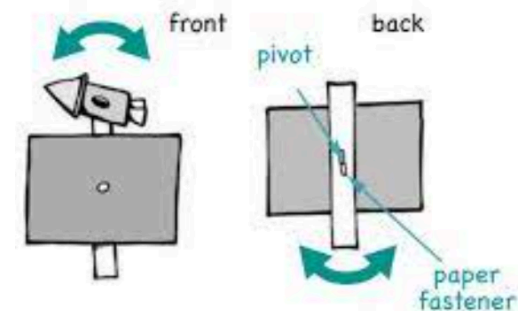
What is a hinge?

- A hinge connects two solid objects, typically allowing only a limited amount of movement.
- You can find hinges on doors. The hinge allows the door to open and close.

What is a lever?

- A lever is a bar resting on a pivot that is used to move a heavy load with one end.

Simple lever mechanisms



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.

What is a pivot?

- A pivot is the central point that a lever rests on.

Slider



Lever



Pivot

Wheel

