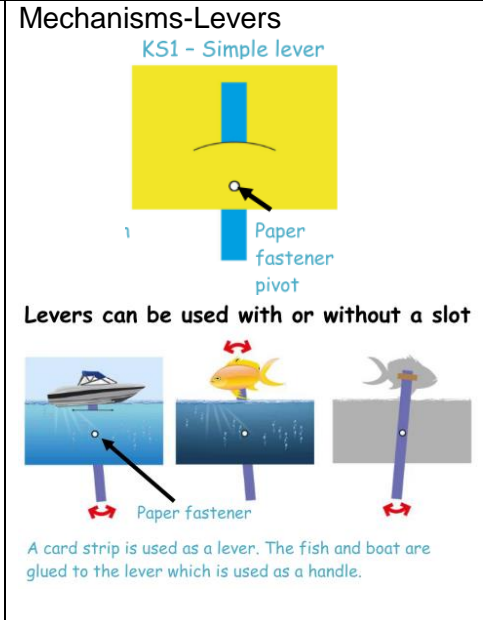
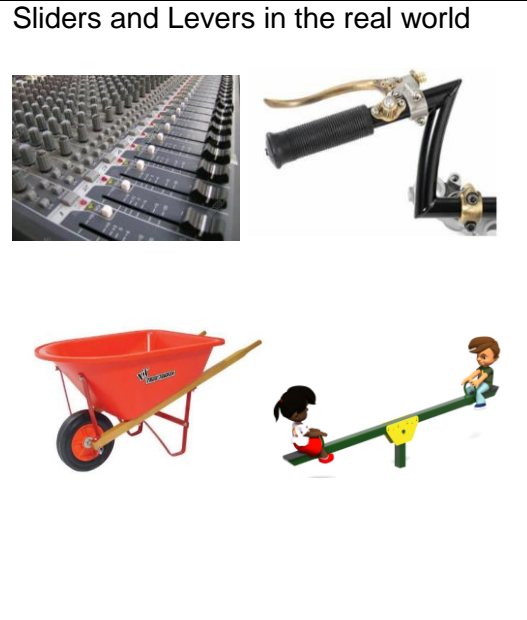


Prior Learning

Early experiences of manipulating different media such as card and paper to join, construct fasten and glue. Experience of simple tools and techniques including glue, sellotape, paper fasteners, paper clips.

(EYFS-Development Matters)

- Understands that different media can be combined to create new effects.
- Manipulates materials to achieve a planned effect.
- Constructs with a purpose in mind, using a variety of resources.
- Uses simple tools and techniques competently and appropriately.
- Selects appropriate resources and adapts work where necessary.
- Selects tools and techniques needed to shape, assemble and join materials they are using.



Key Vocabulary

Push: applying a force to move something away.

Pull: applying a force to move something closer.

slider: a knob or lever that is moved horizontally or vertically to control an object, such as the volume of a radio.

lever: a rigid bar resting on a pivot, used to move a heavy or firmly fixed load with one end when pressure is applied to the other.

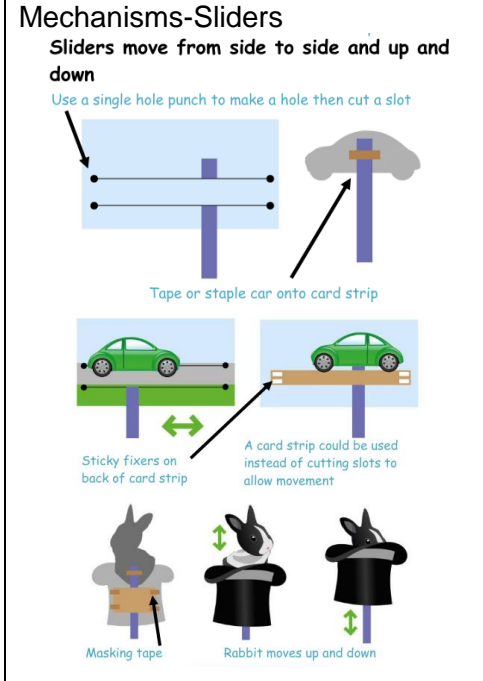
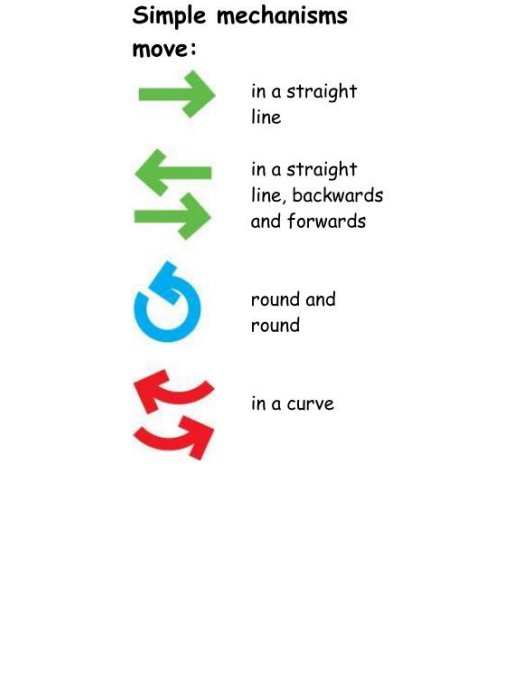
fulcrum: the point against which a lever is placed to get a purchase, or on which it turns or is supported.

pivot: the central point, pin, or shaft on which a mechanism turns or oscillates.

slot: a long, narrow slit for something to be inserted e.g. a lever

Intended Outcomes

1. To identify simple sliders and levers in the world.
2. To explain that sliders and levers are mechanisms that provide movement.
3. To know and use technical vocabulary relating to sliders and levers.
4. To create simple levers and slides to demonstrate how they work.
5. To evaluate how effective a slider or lever is and explain why it is good and or how it can be better.



Helpful Videos and Tips

<https://www.youtube.com/watch?v=n7dUtwejenQ>

https://www.youtube.com/watch?v=E8RA9Kw_laE

