Enriching lives every day; enabling our school community to learn, achieve and flourish through living 'life in all its fullness'

Innovation

Subject: DT

Year group: 1

Term: Autumn

Unit name: Mechanisms- sliders and levers

Prior Knowledge –

- Early experiences of working with paper and card to make simple flaps and hinges.
- Experience of simple cutting, shaping and joining skills using scissors, glue, paper fasteners and masking tape.

Spiritual Development

2PE 1:12 Therefore, I will always be ready to remind you of these things, even though you already know them, and have been established in the truth which is present with you.

National curriculum:

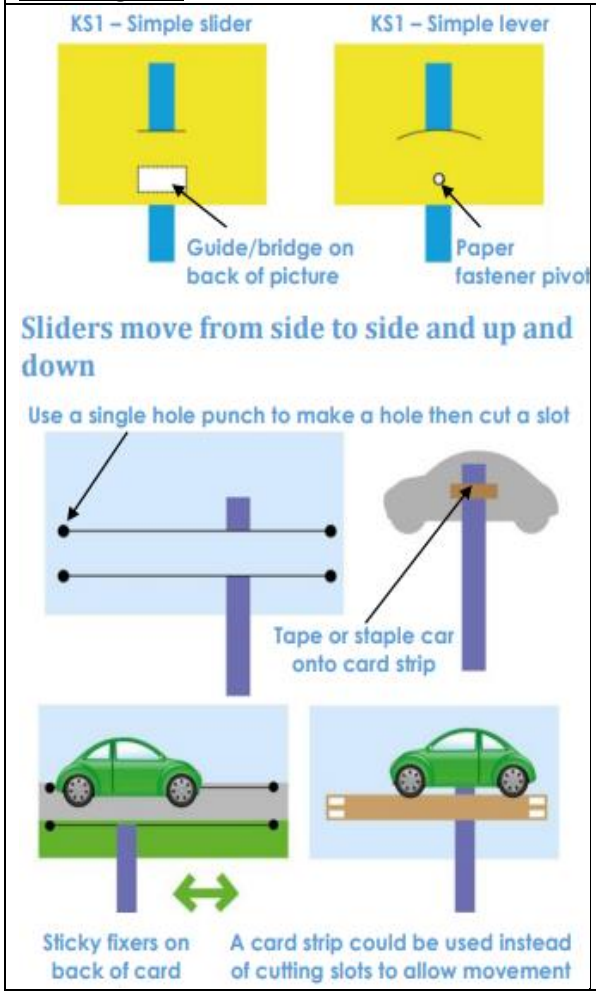
- Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.
- Make- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]

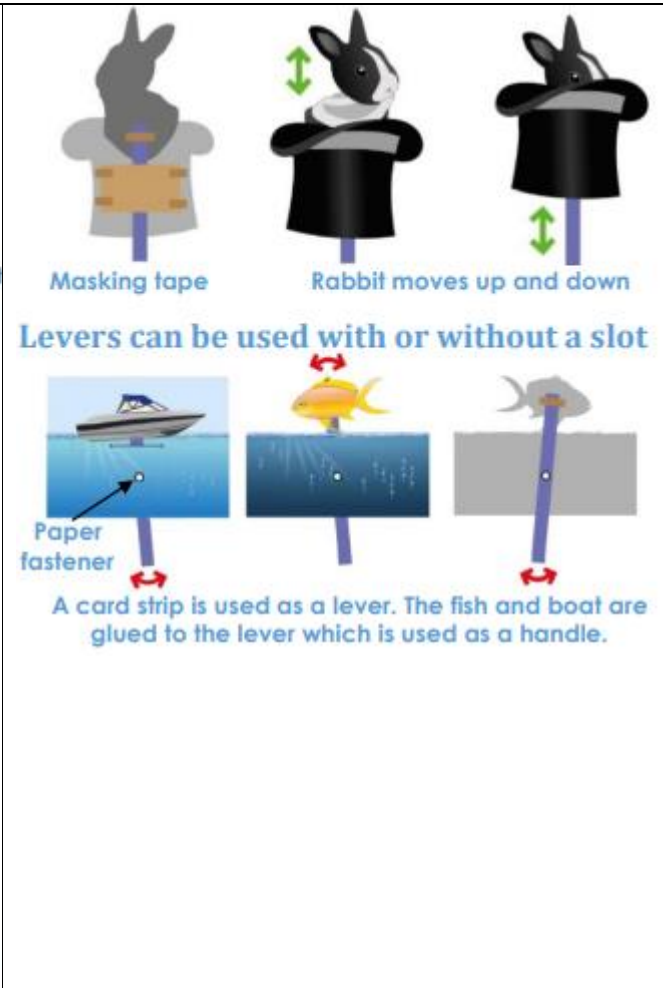
Key vocabulary

Slider	straight
Lever	curve
Pivot	forwards
Slot	backwards
bridge/guide	design
card	make
masking tape	evaluate
paper fastener	user
join	purpose
pull	ideas
push	design criteria
up	product
down	function

Design Process
Investigative and Evaluative Activities (IEAs)
Focused Tasks (FTs)
Design, Make and Evaluate Assignment (DMEA)

Teaching aids





Key Learning- what will the children know by the end of the unit?

- Children explore and evaluate a collection of books and everyday products that have moving parts, including those with levers and sliders.
- Through practical exploration, understand new vocabulary e.g. lever, pivot, slider, left, right, push, pull, up, down, forwards, backwards, in, out.
- Observe and replicate correct use of tools and materials, e.g., scissors, hole punch.
- Generate simple design criteria with the children e.g. the mechanism should work smoothly, it should make the right type of movement.