

What should I already know?

To use tools and equipment, scissors and glue correctly.

To select and use simple tools to cut and join a range of materials.

Year 2

To measure and cut accurately, join wheels and axles effectively and explain how they work.



What I will know by the end of the topic

Identify a lever and a slider in an existing product

Know and explain how to create a working slider.

Know and explain how to create a working lever.

Use these words correctly: design, slider, lever, mechanism, pivot.

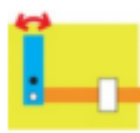
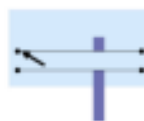
Year 2—Distinguish between fixed and loose pivots.

How to create simple design criteria and communicate ideas through talking, drawing and labelling.

Use tools and equipment—scissors, split pins, tape, glue correctly.



paper fastener pivot



Fixed and
Loose
Pivot

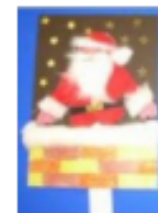
Application of Knowledge

Know how to:-

decide on design criteria for a specific product and design a moving picture.

make a moving picture with levers and sliders.

evaluate our sliders and lever pictures against design criteria .



Vocabulary

design	A plan for the construction of an object or system that has a purpose.
mechanism	Moving parts used as a way of making movement happen.
slider	A mechanism for making movements from side to side or up and down
lever	A mechanism that can make movement turn.
pivot	A point at which something can turn.
slot	A long, narrow cut in material that enables something to be inserted.

Let's Investigate!

Make a moving picture adding several mechanisms to the page or more advanced levers.