



Design Technology Knowledge Organiser: Year 1

Autumn: Levers and sliders



What we already know:

- How to use one-handed tools and equipment (making snips with scissors). (Physical)
- How things work. (understanding the world)
- Different materials in order to develop their idea about what to make. . (Expressive arts and design)
- How to join different materials. (Expressive arts and design)

Key Vocabulary:

- Mechanism : The parts that make something work.
- Slider: Helps to move things from side to side and up and down.
- Lever: Makes things move in a curve motion.
- Pivot: The action of turning around on a point.
- Slot: A long, narrow cut in material that enables something to be inserted.

What we are going to learn next time:

- How structures can be made stronger/more stable.
- How to use equipment appropriately.
- How to use tools with accuracy and precision.
- Tools can create a desired effect.
- How to improve a product by making it stronger, stiffer and more stable.

What we are going to learn:

- Names of the tools they are using.
- How to use mechanisms: levers, sliders, wheels, axels.

If you need to move around with scissors, hold around the closed blades, facing down.

Walk safely and calmly around the classroom.

Keep your work area and floor area clear - keep your belongings well clear.

Make sure that you are wearing the correct equipment for tasks.

Report all spillages & clean up properly after yourself.



Follow the teacher's cutting instructions carefully.