

Science Year 1/2 Knowledge Organiser

I can identify properties of materials and explain why they are used

Key knowledge
Know about the properties and uses of different materials
Some materials are more suitable than others for specific uses.
Different materials are suitable for different uses and purposes.
Some materials can be squashed, twisted or bent according to need.
John Dunlop and Charles Mackintosh have developed useful, new materials.

Vocabulary	
Stretching	Is to change shape by pulling it to make it longer or wider
Squashing	Is pushing things closely together
Bending	Is changing the shape and direction of something
Twisting	Moving one part clockwise and the other part anticlockwise
Natural Materials	A material that comes from plants, animals or the ground.



Endpoint: I can explain why materials are made from the materials that they are.



Prior Knowledge– In reception children thought about the textures of materials and what they look and feel like. They have also encountered words like ‘twisting’, ‘bending’ and ‘stretching’ when using Play Doh, clay and art units about sculptures.

Personal Development: This could lead to jobs in engineering or product design.