Science Knowledge Organiser - Year 2

Unit: What materials are objects made from and why?

Key Vocabulary:	
absorbent	Something is absorbent if it soaks up liquid easily·
malleable	Malleable things can pressed into shape without bending or cracking.
material	Materials are what things are made from·
object	Objects are things that can be seen and touched·
opaque	Opaque objects cannot be seen through:
properties	Properties are characteristics that are used to describe what things are like:
purpose	The purpose of something is the reason why it exists.
suitable	If something is suitable , it is right for a particular purpose·
transparent	Transparent objects can be seen through.
waterproof	Waterproof items do not allow water to pass through them·

Science Skills:

- Describe the simple physical properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials, on the basis of their simple physical properties.
- Use observations and ideas to suggest answers to questions.
- Ask simple questions and recognise that they can be answered in different ways:
- Identify and classify·
- Perform simple tests.

Key Facts:

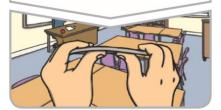
- Materials are used to make the objects we use and see.
- Not all materials have the same properties.
- Some materials are more suitable than others, due to their properties.
- Some materials are unsuitable for certain purposes because they may not have the right properties.

Squash an object by pushing both hands together.



Do all materials
behave the same way,
when you squash, bend,
twist or stretch
them?

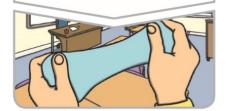
Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by moving your hands in different directions.



Stretch an object by pulling your hands slowly and gently apart.



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Properties of Materials















