

Knowledge Organiser

Subject: Science

Topic: Materials

Year 1

Key Knowledge & Vocabulary

Objects are made of **materials**. Sometimes they can be made from just one material, sometimes they can be made from more than one material.

There are many differences between the materials that we use in everyday life.

Properties help us describe materials. We can **group** materials together based on their **properties**.

You can use a material's **properties** to help choose the best material to make an object out of. Some examples of **properties** that materials might have are: soft, hard, smooth, rough, transparent, opaque, shiny, dull, waterproof, absorbent.

Working Scientifically

Fair testing



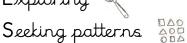
Observing over time

Researching



Classifying, identifying and comparing

Exploring 9



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Which did you use in science lessons and why?

<u>Key Concepts</u>									
Object	Material	Properties	Grouping	Transparent and opaque					
An object is something that you can touch.	A material is what the object is made from. Wood, plastic, glass and metal are some examples of materials.	sort materials. Identifying properties helps us chose the best	We can group materials together based on their properties. Grouping similar materials helps us compare and contrast them.	Transparent materials are see- through, light can pass through them. You cannot see through opaque material, light cannot pass through them.					

Linking Thinking Across Our Learning Journey									
Nursery	Reception	Year	Year 2	Year 3	Year 4	Year 5	Year 6		
Cause and effect	Cause and effect	Everyday materials	Everyday materials	Rocks	States of matter	Properties and changes of materials	Forces		













