

Whitechapel Primary School Science Knowledge Organiser

Year: 1	Term: Spring 1	Topic: Everyday Materials
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What I already know...	Diagrams	Key vocabulary																		
Similarities and differences between some common materials. How to explain some properties of materials e.g. wood, hard	1. I can distinguish between an object and the material from which it is made  2. I can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock 	Materials – materials are what an object is made from absorbent – a material that can soak up liquid easily transparent – a material that you can see through; such as glass opaque – a material that you can not see through at all natural – materials that exist in nature man-made – materials created by people Waterproof -does not let water pass elastic – a rubber material that stretches when pulled and then returns to original size magnetic– a material attracted by a magnet float – an object which rest or moves on top of a liquid. evidence – the information that we have found out.																		
We are learning...																				
- Distinguish between an object and the material from which it is made. - Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, rock, brick, paper and cardboard. - 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.																				
Working scientifically																				
Performing simple tests to explore questions, for example: – ‘What is the best material for an umbrella? ...for lining a dog basket?’	<table border="1"> <thead> <tr> <th>Material</th><th>Properties</th><th>Uses</th></tr> </thead> <tbody> <tr> <td>Wood</td><td>Opaque, hard, strong</td><td>Door, chair</td></tr> <tr> <td>Glass</td><td>Transparent, waterproof</td><td>Window</td></tr> <tr> <td>Metal</td><td>Shiny, hard, smooth</td><td>Coin, fork</td></tr> <tr> <td>Plastic</td><td>Waterproof, transparent</td><td>Water bottle</td></tr> <tr> <td>Fabric</td><td>Stretchy, opaque</td><td>Clothes</td></tr> </tbody> </table>	Material	Properties	Uses	Wood	Opaque, hard, strong	Door, chair	Glass	Transparent, waterproof	Window	Metal	Shiny, hard, smooth	Coin, fork	Plastic	Waterproof, transparent	Water bottle	Fabric	Stretchy, opaque	Clothes	
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