


Knowledge Organiser – Brunswick School

Subject: Science	Year Group: 1	Spring
Study Block: Materials		
What should I know already?	Diagram/Map/Photo etc...	
<p>I know that objects can be made from lots of different things.</p> <p>I know that objects can feel different and I can use some words to describe what they feel like/look like.</p> <p>I know that some things can break and some things are hard/soft/heavy/light.</p>	<p>Materials:</p> 	
What will I know by the end of the unit?		
<ul style="list-style-type: none"> I will know how to distinguish between an object and the material from which it is made. (Lego is made from plastic, scissors are made from plastic and metal etc.) I will know how to name a variety of everyday materials (including wood, plastic, glass, metal, rock and water). I will know how to describe the simple physical properties of a variety of everyday materials (e.g. hard, soft, stretchy, absorbent, waterproof). I will know how to compare and group together a variety of everyday materials on the basis of their simple physical properties. I will know how to choose the best materials for a given purpose based on their properties, i.e. designing a towel, tent or umbrella for Dobby/Comet). 		
Vocabulary		
Word	Meaning	
object	A thing that can be used, e.g. door, chair, car, table.	
material	What an object is made from.	
hard	Not easy to bend or break.	
soft	Easy to cut, fold or change the shape of.	
stretchy	Can be pulled to make it longer or wider without breaking.	
shiny	Reflects light easily.	
dull	Does not reflect light. Does not look bright or shiny.	
rough	Feels and looks bumpy or uneven.	
smooth	Has no lumps or bumps.	
bendy	Can be folded or curved easily.	
waterproof	Keeps water (or liquid) out and keeps things dry.	
absorbent	Soaks up water (or liquid) easily.	
transparent	Can be seen through. Light can pass through it.	
opaque	Can't be seen through.	