Use of everyday materials – Unit 2	
Definition: Material - It is anything made from matter that can be shaped or manipul something.	ated in order to make
A material is anything that physically occupies a space and has mass	
Physics definition: Physics is the study of nature and how matter and energy behave	
POS: Y2 Use of everyday materials	
 identify and compare the suitability of a variety of everyday materials, inclu 	ding wood, metal, plastic,
glass, brick, rock, paper and cardboard for particular uses	
 find out how the shapes of solid objects made from some materials can be obending, twisting and stretching 	changed by squashing,
Prior learning:	Links to other science topics:
 Everything around us is made out of a material 	
Understand the term material	 Everyday materials
• Explore misconception of 'material' – material is not just fabric, it can be	Y1
a solid liquid or gas	 Changes of state-
 Explore natural materials – rock (granite, limestone, marble), fossil fuel 	Year 3
(coal, oil), clay, water, air, wood, plant fibre (cotton, hemp), animal	 Rocks - year 3
products (wool, leather, tallow, horn), plant extracts (latex)	
• Explore manufactured materials – metals, paper, rubber, clay, fabrics,	
plastics, ceramics, synthetic materials	
 Understand and can use appropriately manufactured, natural, matter and surthatia in simple abaiase 	
synthetic in simple choices Disciplinary concepts:	
Similarities and differences: How are the materials similar or different?	
Function: How does the function of the object decide which material to use?	
Common misconceptions:	
only fabrics are materials	
only building materials are materials	
 only writing materials are materials the word (model describes an abient worth on the second se	
 the word 'rock' describes an object rather than a material 'solid' is another word for hard. 	
• solid is another word for hard.	
Core Knowledge:	
Choose the right material for the job	
 Understanding materials in the real world – what they made from and why 	(for weather, warmth,
waterproof, strength etc) (pans, bottles, window, furniture, towel)	
• Explain why some objects are made from more than one material	
 Can use appropriately manufactured, natural, matter and synthetic in simple they have absent them. 	e choices and give reasons wh
they have chosen themObjects made of some materials can be changed in shape in different ways	
Wider working knowledge:	
What materials houses are made from and how it has changed over time – website:	localhistories.org – a history o
houses	σ,
Working scientifically:	
Compare materials	
Classify materials.	
 Make suggestions about alternative materials for a purpose that are both suggestions 	uitable and unsuitable
 Test the properties of materials for particular uses e.g. compare the stretch 	
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 CPD: Reach out – everyday materials Science Association PLAN London Assessment Network End points: To choose suitable materials for particular purposes To change the shape of materials 	