Prior and future learning



Prior Knowledge	What's next?
 Use all their senses in hands-on exploration of natural 	• I can identify the suitability of a variety of everyday materials,
materials.	including wood, metal, plastic, glass, brick, rock, paper and
• Explore collections of materials with similar and/or different	cardboard for particular uses.
properties.	• I can compare the suitability of a variety of everyday materials,
 Talk about the differences between materials and changes 	including wood, metal, plastic, glass, brick, rock, paper and
they notice.	cardboard for particular uses.
 Explore the natural world around them. 	• I can find out how the shapes of solid objects made from some
• Describe what they see, hear and feel whilst outside.	materials can be changed by squashing, bending, twisting and stretching.

Track your learning

How I will show what I have learned	(;)	:	:)
I can distinguish between an object and the material from which it is made.			
I can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.			
I can describe the simple physical properties of a variety of everyday materials.			
I can compare and group together a variety of everyday materials on the basis of their simple physical properties.			

Key knowledge I need to understand

- All objects are made of one or more materials.
- Some objects can be made from different materials e.g. plastic, metal or wooden spoons.
- Materials can be described by their properties e.g. shiny, stretchy, rough etc. Some materials e.g. plastic can be in different forms with very different properties



Link to maths curriculum:

Measurement:

- Comparing how much materials stretch (*Compare lengths and heights, using the vocabulary long/short, longer/shorter, tall/short, double/half, specified in the national curriculum*).
- Comparing objects (*Compare mass/weight, using vocabulary heavy/light, heavier than, lighter than, specified in the maths curriculum*).

Vocabulary		
absorbent	material that soaks up liquid easily	
bendy	an object that bends easily into a curved shape	
brick	rectangular blocks of baked clay used for building walls, which are usually red or brown	
dull	a colour or light that is not bright	
elastic	a rubber material that stretches when you pull it and returns to its original size and shape when you let it go	
fabrics	clothorothermaterialproducedby weaving together cotton, wool or other threads.	
foil	sheets of metal as thin as paper	
glass	a hard transparent material	
man-made	things are created by people	
metal	a hard substance such as iron, steel, gold, or lead	
natural	things that exist in nature and are not made by people	
opaque	if an object or substance is opaque , you cannot see through it	
plastic	a material which is light in weight and does not break easily	
rock	the hard substance which the Earth is made of	
rough	uneven and not smooth	
shiny	things are bright and reflect light	
smooth	no roughness, lumps, or holes	
soft	not rough or hard	
stiff	firm or does not bend easily	
stretchy	slightly elastic	
transparent	lf an object is transparent, you can see through it	
waterproof	does not let water pass through it	
wood	the material which forms the trunks and branches of trees	