

Uplands Manor Primary School - Science Unit Organiser

Science Topic:	Everyday Materials		Year 1		
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What? (Key Vocabulary)	
Spelling	Definition/Sentence
Properties	A way to describe something
Material	The 'stuff' an object is made out of
Liquid	Liquids can flow or be poured easily
Surface	An outside part or layer of something
Object	A thing that can be seen and touched

What? (Key Knowledge)	
Materials	
What does material mean?	All objects have a name like 'a door' Material is the 'stuff' an object is made from
Everyday materials you need to know	<ul style="list-style-type: none"> • Wood • Plastic • Glass • Metal • Water • Rock

Diagrams and Symbols	
	
Wood	Plastic
	
Glass	Metal
	
Water	Rock

Names of some common properties of materials	
Hard	Not easily broken
Soft	Easy to cut, fold or change shape
Stretchy	Can be made longer or wider without breaking
Stiff	Doesn't change shape easily
Shiny	Reflects light easily
Dull	Not very bright or shiny
Rough	Has an uneven surface
Smooth	An even surface with no lumps or bumps
Bendy	Can be bent easily
Waterproof	Keeps out water
Absorbent	Soaks up liquid easily
Transparent	Easy to see through
Opaque	Not able to see through

Some common materials and their properties	
Wood	Hard, strong, stiff
Plastic	Strong, shiny, bendy
Glass	Transparent, smooth, stiff
Metal	Hard, strong, shiny
Water	Runny, wet, clear
Rock	Hard, strong

Recommended Experiments	
A minimum of two experiments should take place during this unit of work with one final written outcome linked to one of the scientific enquiry skills and approaches used.	
	Identifying the materials suitable for making a boat and testing it out on water
	Comparing and grouping together a variety of everyday materials using a simple key
	Working in pairs describe the simple physical properties of a variety of everyday materials in a 'feely bag'. Partner to question "Is the object hard or soft?..."
	Finding the best materials to design and make an umbrella (predict which materials will be suitable)

Comparing and Grouping Materials	
<p>You can put materials into different groups by answering these questions about the material</p>	<ul style="list-style-type: none"> • Hard or Soft? • Stretchy or Stiff? • Shiny or Dull? • Rough or Smooth? • Bendy or Not Bendy? • Waterproof or Not waterproof? • Absorbent or Not Absorbent? • Transparent or Opaque?

Builds on: learning in Reception - Understanding the World: The Natural World	Learning links	Leads to: learning in Year 2, Spring - Unit: Uses of Everyday Materials
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