Lless of Evenueless	Contont		
Uses of Everyday	Content		
Materials (2UEM)	Uses of everyday materials (2UEM) i) identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic,		
Materials Matter			
[6 sessions]	glass, brick, rock, paper and cardboard for particular uses ii) find out how the shapes of solid objects made from some materials can be changed by squashing,		
	bending, twisting and stretching		
By the end of this	benuing, twist		
block you will have	Morking Scien	stifically (VC1 NIC)	
		itifically (KS1 WS)	
following National		e questions and recognising that they can be answered in different ways	
Curriculum Science		losely, using simple equipment	
outcomes	iii) performing		
		and classifying	
		observations and ideas to suggest answers to questions	
Oth an annial luna		nd recording data to help in answering questions	
Other curriculum	Art and Design		
areas covered	• To use a range of materials creatively to design and make products		
		e drawing, painting and sculpture to develop and share their ideas, experiences and	
	-	nation	
		evelop a wide range of art and design techniques in using colour, pattern, texture, line,	
	shape	e, form and space	
Session 1		Children will	
Mopping up		• Create hypotheses and make predictions about the absorbency of different	
Explore the properties	of different	kitchen paper and disposable cloths	
kitchen papers and disposable cloths.		• Investigate which papers are the most absorbent by choosing a method and	
Rise to the challenge of mopping		working in a group	
water from the floor. V	Vhich paper is		
the most absorbent? Which will be			
the best for mopping u	p the spillage?		
Session 2		Children will	
Are bricks absorbent?		 Explore what buildings are made of and generate questions about the 	
Think about hard materials and their		absorbency of building materials	
absorbent properties. Which building		• Consider and investigate the hypothesis "Hard materials cannot absorb water"	
materials are absorbent? Why must		and make predictions about different materials before testing them	
they have this property? Test		• Make decisions about how to record the results of the investigation in a clear	
different hard materials and record		way for others to follow	
the results.			
Session 3		Children will	
Waterproofing materials		 Understand that, if a material does not absorb water, it is said to be 	
Explore different fabrics and		waterproof	
investigate how waterproof they are		 Investigate the absorbency of fabrics and the effect of adding a layer of wax 	
using a dropper of water. How can		crayon	
we make the fabrics waterproof?		 Discuss the findings and consider the reasons for fabrics being waterproof 	
Colour them in with wax crayon and			
repeat the investigation	n!		
Session 4		Children will	
Printing		 Understand the difference between natural and manmade objects and sort 	
Explore the textures and properties		into groups	
of different materials by printing		 Describe the textures and appearance of the different items 	
with a selection of items. Make a		 Explore the texture and various properties (absorbency, flexibility) by using 	
large collective piece of art showing		them to print with paint	
the variety of materials	s used by the		
class.			

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Year 2

Science

Uses of Everyday Materials – Block 2UEM – Materials Matter

Session 5 Resist the wax! Learn more about the waterproof properties of wax by having a go at a wax resist picture!	 Children will Explore wax resist painting using oil pastels, wax crayons and paint Understand the role of wax and its waterproof properties in wax resist art.
Session 6 Melting and moulding Talk about how some materials change shape when they are heated up. Chop up old wax crayons, heat them up and turn them into different shapes!	 Children will Understand what happens when a material is heated up and why it changes shape Discuss the importance of recycling materials Understand and experience recycling by re-moulding wax crayons in new and different shapes

Session 1

Resources

Provided: 'Some Ways of Testing Absorbency' sheet

You will need: Different sorts of paper towels and disposable cloths (kitchen paper, different brands of paper towels, school paper towels, squares of paper etc), pipettes or syringes, beakers of water, tape, timers

Session 2

Provided: Hypothesis Thinking Sheet **You will need:** A variety of hard materials (different types of wood, including balsa wood, brick, plastics, plaster, clay, metals), shallow bowls of water, timer

Session 3

Provided: Investigating fabrics resource **You will need:** Sticky notes, pencil, a selection of fabrics, pipettes, beakers of water, wax crayons

Session 4

Provided: Vocabulary Bingo resource **You will need:** Collection of manmade and natural objects, sticky notes, pencils, poster paint, large sheets of paper

Session 5

Provided: Examples of wax resist art **You will need:** Watercolour paint or thinned poster paint, paint brushes, pieces of card, wax crayons, oil pastels, or a stick of fabric wax, squares of fabric, Vaseline[™]

Session 6

Provided: Particles Role Play and Melting and Remoulding Wax Crayons resource **You will need:** Old wax crayons, plain paper and paper for writing on, silicone moulds, old mugs or jugs, scissors, knife, microwave

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