

Materials Yr2 Workshop – What are things made from?

Curriculum Links

Please note:	Our workshops may not cover all of the links below in great depth as we are restricted by time, however you have the opportunity to cover them in the follow up activities you will be receiving from us.	
Aims and Activities taken from the workshop booklet	<p>What are things made from? Why is one material better for a job than another material? How do we decide which material to use?</p> <p>In pairs, children carry out practical activities designed to support the 'Uses of Everyday Materials' element of the Year 2 programme of study. Activities include:</p> <ul style="list-style-type: none"> - an odd one out challenge - testing a range of everyday objects for particular properties - exploring how waterproof different materials are - using their knowledge to apply a waterproofing layer and testing it 	
	National Curriculum	Non-Statutory Opportunities
Science	<p>Working Scientifically (KS1):</p> <ul style="list-style-type: none"> • asking simple questions and recognising that they can be answered in different ways • observing closely, using simple equipment • performing simple tests • identifying and classifying • using observations and ideas to suggest answers to questions • gathering and recording data to help in answering questions <p>Uses of Everyday Materials (Y2)</p> <ul style="list-style-type: none"> • identify and compare the suitability of a variety of everyday materials, including 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 changed by squashing, bending, twisting and stretching 	<p>Pupils will work scientifically by:</p> <ul style="list-style-type: none"> - Asking and answering questions about what things are made of, what makes one material better than another for a particular job and how we decide which material to use. - perform simple tests on a range of everyday items to find out more about their particular properties - investigate how waterproof different materials are
DT	<ul style="list-style-type: none"> - design purposeful, functional, appealing products for themselves and other users based on design criteria (KS1) - Select from and use a wide range of materials according to their characteristics (KS1) - evaluate their ideas and products against design criteria (KS1) 	<ul style="list-style-type: none"> - <i>design, build and evaluate a waterproof item using the knowledge gained from testing materials. For example, a hat, an umbrella, a tent.</i>
Maths	<ul style="list-style-type: none"> • draw 2-D shapes and make 3-D shapes using modelling materials (Y2) assuming children are building waterproof structures • measure the perimeter of simple 2-D shapes; measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); 	<p>Opportunity here for pupils to measure accurately for the DT element of the investigation. Also opportunity to weigh materials using scales, for example before and after submersion in water.</p>

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	volume/capacity (l/ml) (Y2) assuming children are designing something that needs measuring and taking measurements of weight etc during their material investigation	
English	<ul style="list-style-type: none">• ask relevant questions to extend their understanding and knowledge• articulate and justify answers, arguments and opinions• developing a broader, deeper and richer vocabulary	