
















<p>Subject: Science</p>	<p>Year Group: 2 Term: Summer 2</p>	<p>Title: Buckets and Spades (Materials)</p>																		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Solid</p> </div> <div style="text-align: center;">  <p>Liquid</p> </div> <div style="text-align: center;">  <p>Gas</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="border: 1px solid black; padding: 5px; border-radius: 50%;">Wood</div> <div style="border: 1px solid black; padding: 5px; border-radius: 50%;">Cotton</div> <div style="border: 1px solid black; padding: 5px; border-radius: 50%;">Concrete</div> </div> <div style="display: flex; justify-content: center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 5px; border-radius: 50%;">Glass</div> <div style="border: 1px solid black; padding: 5px; border-radius: 50%; background-color: #e0ffe0; text-align: center;"> <p style="color: green; font-weight: bold;">Natural or Man-made?</p> </div> <div style="border: 1px solid black; padding: 5px; border-radius: 50%;">Stone</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; border-radius: 50%;">Gold</div> <div style="border: 1px solid black; padding: 5px; border-radius: 50%;">Leather</div> <div style="border: 1px solid black; padding: 5px; border-radius: 50%;">Plastic</div> </div>	<p>Key Knowledge</p> <ul style="list-style-type: none"> - Know that objects have different textures. - Know some vocabulary to describe how things look/feel. - Know how to distinguish between an object and the material it is made from. - Know the different properties of everyday materials. 	<p>Key Questions</p> <ul style="list-style-type: none"> • What is it made of? • Is it useful? • What properties does it have? • What can it be used for? • Where do different materials come from? <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>Wood</p>  </div> <div style="text-align: center;"> <p>Metal</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Plastic</p>  </div> <div style="text-align: center;"> <p>Fabric</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Glass</p>  </div> <div style="text-align: center;"> <p>Paper</p>  </div> <div style="text-align: center;"> <p>Rock</p>  </div> </div>																		
<p>Key Skills</p> <ul style="list-style-type: none"> - Compare the suitability of different materials for different uses. - Identify and describe how forces such as squashing and bending can change the shape and/or size of an object. - Identify which materials can be found naturally and which are manmade. 	<p>A Good Scientist...</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Good scientists...</p> <p style="font-size: 1.2em; font-weight: bold;">observe</p>  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Good scientists...</p> <p style="font-size: 1.2em; font-weight: bold;">research</p>  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Good scientists...</p> <p style="font-size: 1.2em; font-weight: bold;">compare and test fairly</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Good scientists...</p> <p style="font-size: 1.2em; font-weight: bold;">spot patterns</p>  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Good scientists...</p> <p style="font-size: 1.2em; font-weight: bold;">sort & classify</p>  </div> </div>	<p>Key Vocabulary and definitions</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Material</td> <td>The matter of which a thing is or can be made.</td> </tr> <tr> <td>Rough</td> <td>Having an uneven surface.</td> </tr> <tr> <td>Smooth</td> <td>Having an even surface.</td> </tr> <tr> <td>Waterproof</td> <td>Something that keeps water out.</td> </tr> <tr> <td>Transparent</td> <td>An object that allows light to pass through it.</td> </tr> <tr> <td>Flexible</td> <td>Capable of bending without breaking.</td> </tr> <tr> <td>Float</td> <td>Rest or move on the surface of liquid without sinking.</td> </tr> <tr> <td>Strong</td> <td>Able to beat force, pressure or wear.</td> </tr> <tr> <td>Suitable</td> <td>Right or appropriate for a purpose.</td> </tr> </table>	Material	The matter of which a thing is or can be made.	Rough	Having an uneven surface.	Smooth	Having an even surface.	Waterproof	Something that keeps water out.	Transparent	An object that allows light to pass through it.	Flexible	Capable of bending without breaking.	Float	Rest or move on the surface of liquid without sinking.	Strong	Able to beat force, pressure or wear.	Suitable	Right or appropriate for a purpose.
Material	The matter of which a thing is or can be made.																			
Rough	Having an uneven surface.																			
Smooth	Having an even surface.																			
Waterproof	Something that keeps water out.																			
Transparent	An object that allows light to pass through it.																			
Flexible	Capable of bending without breaking.																			
Float	Rest or move on the surface of liquid without sinking.																			
Strong	Able to beat force, pressure or wear.																			
Suitable	Right or appropriate for a purpose.																			