

## SCIENCE Materials

### Y1 Autumn 2

National Curriculum statutory requirements WORKING SCIENTIFICALLY
<ul style="list-style-type: none"> <li>✓ Ask simple questions and recognise that they can be answered in different ways.</li> <li>✓ Observe closely, using simple equipment.</li> <li>✓ Perform simple tests</li> <li>✓ Identify and classify</li> <li>✓ Use their observations and ideas to suggest answers to questions</li> <li>✓ Gather and record data to help answer questions.</li> </ul>
National Curriculum statutory requirements SUBJECT CONTENT
<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> <li>✓ distinguish between an object and the material from which it is made</li> <li>✓ identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>✓ describe the simple physical properties of a variety of everyday materials</li> <li>✓ compare and group together a variety of everyday materials on the basis of their simple physical properties</li> </ul>



Key Vocabulary:	
object	A thing that can be used.
material	Materials are what an object is made from.
hard	Not easily broken or bent.
soft	If something is soft, it is easy to cut, fold or change the shape of.
stretchy	Can be pulled to make it longer or wider without breaking.
shiny	Reflects light easily
dull	Doesn't reflect light. Doesn't look bright or shiny.
rough	Feels and looks uneven or bumpy.
smooth	Smooth objects have no lumps or bumps
bendy	Bendy things can be bent easily into a curved or folded shape.

Sequence of Learning:					
Objectives (key knowledge):					
<p>Lesson 1</p> <p>To distinguish between an object and the material from which it is made.</p> <p>Task: Show examples of different objects and identify the material from which it is made.</p> <p>Play I spy the materials.</p> <p>Sort objects by their materials.</p>	<p>Lesson 2</p> <p>To identify and name a variety of everyday materials.</p> <p>Task: Feely bag – identify the material the object is made from.</p> <p>Material hunt – indoor and outdoor. Draw and label objects, label the materials.</p>	<p>Lesson 3</p> <p>To describe the simple physical properties of a variety of everyday materials.</p> <p>Task: Repeat feely bag and ask how do you know which material it is made from.</p> <p>Handle a variety of materials and describe their properties using key vocabulary. Sort according to their properties.</p>	<p>Lesson 4</p> <p>To compare and group together a variety of everyday materials on the basis of their properties.</p> <p>Task: Material Snap with everyday objects.</p> <p>Test everyday materials – do they bend?</p>	<p>Lesson 5</p> <p>To compare and group together a variety of everyday materials on the basis of their properties.</p> <p>Task: Which materials sink/float?</p>	<p>Lesson 6</p> <p>To identify and name a variety of everyday materials.</p> <p>To gather and record data to answer a question.</p> <p>Task: Which is the most common material around school?</p>

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