




Materials Year 1

<p>Science Concepts</p>	<p>Nature Knowing about the natural world</p>  <p>Nature</p>	<p>Phenomenon Observing facts and events</p>  <p>Phenomenon</p>	<p>The Real World Knowing about scientists and science in our everyday lives</p>  <p>The Real World</p>
<p>National Curriculum</p>	<ul style="list-style-type: none"> • Distinguish between an object and the material from which it is made • Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock • Describe the simple physical properties of a variety of everyday materials • Compare and group together a variety of everyday materials on the basis of their simple physical properties 		<ul style="list-style-type: none"> • Ask questions • Perform tests • Observing and measuring • Gathering and recording data • Identifying and classifying

Lesson	Learning Intention
1. What is a material?	<ul style="list-style-type: none"> Identify different materials: wood, wool, plastic, glass, metal and paper
2. What are objects made from?	<ul style="list-style-type: none"> Identifying the materials used to make different objects
3. How can I describe an object?	<ul style="list-style-type: none"> Using different properties of materials to describe them e.g. hard, soft, rough, smooth, shiny, heavy, transparent
4. How can I describe and compare objects?	<ul style="list-style-type: none"> Using different properties of materials to describe and compare them e.g. hard, soft, rough, smooth, shiny, heavy, transparent
5. What materials float and sink?	<ul style="list-style-type: none"> Testing whether different materials float or sink
6. Which materials are absorbent?	<ul style="list-style-type: none"> Testing whether materials are absorbent or waterproof
7. Which materials are absorbent?	<ul style="list-style-type: none"> Making conclusion from observations about objects and the materials used.
8. Which materials are shock absorbent?	<ul style="list-style-type: none"> Testing materials that will absorb energy from an impact
9. Which material is best for different objects?	<ul style="list-style-type: none"> Choosing the best material based on properties for different uses
10. Know what materials can be recycled	<ul style="list-style-type: none"> Sorting objects that can be recycled
11. Know what materials can be reused	<ul style="list-style-type: none"> Choosing objects that can be reused
12. Review	<ul style="list-style-type: none"> End of unit quiz