

**Science -
Year 5: Properties and Change of Materials**

What should I already know?	Diagrams	What will I know by the end of the unit?		
<p>A variety of everyday materials. The physical properties of a variety of everyday materials. How materials are suitably used based on their properties.</p>		<p>Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity and response to magnets.</p>		
Key Vocabulary				
<table border="1"> <tr> <td>Solid</td> <td>Having a firm shape or form that can be measured in length, width and height; not like a liquid or a gas.</td> </tr> </table>	Solid	Having a firm shape or form that can be measured in length, width and height; not like a liquid or a gas.	<p>Changes of State</p>	<p>Demonstrate that dissolving, mixing and changes of state are reversible changes.</p>
Solid	Having a firm shape or form that can be measured in length, width and height; not like a liquid or a gas.			
<table border="1"> <tr> <td>Transparent</td> <td>If an object is transparent, you can see through it.</td> </tr> </table>	Transparent	If an object is transparent, you can see through it.		<p>Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.</p>
Transparent	If an object is transparent, you can see through it.			
<table border="1"> <tr> <td>Soluble</td> <td>Able to be dissolved.</td> </tr> </table>	Soluble	Able to be dissolved.	<p>Magnetic</p>	<p>Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.</p>
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<table border="1"> <tr> <td>Dissolves</td> <td>When a substance is mixed with a liquid.</td> </tr> </table>	Dissolves	When a substance is mixed with a liquid.	<p>Transparent</p>	<p>Permeable</p>
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<table border="1"> <tr> <td>Thermal</td> <td>Relating to or caused by heat or by changing temperature.</td> </tr> </table>	Thermal	Relating to or caused by heat or by changing temperature.	<p>Insoluble</p>	<p>Flexible</p>
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