



NC OBJECTIVES	KEY KNOWLEDGE AND VOCABULARY
<ul style="list-style-type: none"> <li>• Identify and compare the suitability of a range of everyday materials for particular uses</li> <li>• Find out how the shape of solid objects made from some materials can be changed</li> <li>• Discuss the uses of everyday materials and how they can be used for more than one thing, and different materials for the same thing</li> <li>• Properties of materials that are suitable and unsuitable for particular purposes</li> <li>• Encouraged to think of creative and unusual uses for everyday materials</li> <li>• Find out about people who have developed useful new materials</li> <li>• Compare everyday materials around the school with those found in other places</li> <li>• Identifying uses for different materials and recording their observations</li> </ul> <p><u>Working Scientifically</u></p> <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>• Identifying and classifying</li> <li>• Using observations and ideas to suggest answers to questions</li> <li>• Gathering and recording data to answer questions</li> </ul>	<ul style="list-style-type: none"> <li>• Know some <b>common materials</b></li> <li>• Know that some common materials are <b>wood, plastic, metal, glass, brick, rock, paper, cardboard</b></li> <li>• Describe the <b>properties</b> of some common materials</li> <li>• Know that materials can be grouped in different ways dependent on properties and given <b>criteria</b></li> <li>• Know that some materials are <b>natural</b></li> <li>• Know that some materials are <b>man-made</b></li> <li>• Name objects that are made from <b>naturally-occurring materials</b></li> <li>• Know that only solid objects can be <b>physically</b></li> <li>• Know that some materials can change shape by <b>squashing, bending, stretching and twisting</b>, and others can't.</li> <li>• Know the <b>suitability</b> of metal and plastic for a variety of <b>purposes</b></li> <li>• Know different products that can be made from wood and their properties and purposes</li> <li>• Know the <b>advantages and disadvantages</b> of using different materials</li> <li>• Identify different materials that are used to make the same product</li> <li>• Know the purpose of a product and how that might affect the material that is used</li> <li>• Know in more detail about some man-made materials, their uses and who <b>invented</b> them</li> <li>• Know that <b>John Dunlop</b> invented <b>rubber</b></li> <li>• Know that <b>Charles Macintosh</b> invented <b>waterproof material</b></li> </ul>