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| <b>Builds on and leads to ...</b> | <b>Enquiry/skills</b> |  |
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| <p><b>Builds learning on from Year 1 ...</b></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> <p><b>Leads to in KS2 ...</b></p> <ul style="list-style-type: none"> <li>Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. (Y3 - Rocks)</li> <li>Describe in simple terms how fossils are formed when things that have lived are trapped within rock. (Y3 - Rocks)</li> <li>Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials. (Y3 - Forces and magnets)</li> </ul> | <ul style="list-style-type: none"> <li>asking simple questions and recognising that they can be answered in different ways</li> <li>observing closely, using simple equipment</li> <li>performing simple tests</li> <li>identifying and classifying</li> <li>using their observations and ideas to suggest answers to questions</li> <li>gathering and recording data to help in answering questions</li> </ul> |
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| What will I know by the end of the unit?   | Vocabulary                                       |   |
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| <ul style="list-style-type: none"> <li>Can name an object, say what material it is made from, identify its properties and make a link between the properties and a particular use</li> <li>Can label a picture or diagram of an object made from different materials</li> <li>For a given object can identify what properties a suitable material needs to have</li> <li>Whilst changing the shape of an object can describe the action used</li> <li>Can use the words flexible and/or stretchy to describe materials that can be changed in shape and stiff and/or rigid for those that cannot</li> <li>Can recognise that a material may come in different forms which have different properties</li> </ul> | wood   | from trees, it is hard, strong, stiff (used for doors, tables)  |
|  | metal  | manmade, it is hard, strong, shiny (used for cars, coins)       |
|  | plastic  | manmade, it is strong, shiny, bendy (used for pens, rulers)     |
|  | glass  | manmade, transparent, smooth, stiff (windows, glasses)          |
|  | rock   | from ground, it is hard and strong (walls and buildings)        |
|  | paper  | from trees, bendy, smooths, thin (school books, wrapping paper) |
|  | opaque   | no light can pass through opaque objects                        |
|  | transparent                                      | all light can pass through transparent objects                  |
|  | translucent                                      | some light can pass through translucent objects                 |
|  | pull/push  | opposite forces which can make things start or stop moving      |
|  | squash   | crush something so that it becomes flat, soft, or out of shape  |
|  | bend   | changing a straight object so that it is curved                 |
| twist  | change the shape of an object by turning it      |   |
| stretch  | made longer or wider without tearing or breaking |   |

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| <b>Diagrams / Maps / Images</b> |
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