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| **Topic:** | **Science**  **Materials** | Year 1 | Spring |



**What should I already know?**

In reception we have learned about understanding the world. We can:

Describe materials using very simple language.

Name some materials.

Name some objects.

**Notable scientists**

Sir Humphry Davy

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| **What Step On and Goldilocks words will I use?** | |
| **Spelling** | **Definition** |
| material | A material is what the object is made from e.g.  a table is made from wood. |
| wood | Wood is hard and strong. |
| metal | Metal is strong and sometimes shiny. |
| glass | Glass is hard and clear (or  transparent). |
| plastic | Plastic can be rigid or bendy. |
| waterproof | Something that keeps water out. |
| bendy | A material that can be  moved to change shape. |
| rigid | It is stiff and does not bend. |



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| **Investigate!** |
| * Name a variety of different materials. * Say and describe the properties. * Understand how each material can be used. |

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| **Enquiry Question** |
| * What are the names of materials? * What is the difference between objects and materials? * Is it absorbent? * Is it waterproof? * Is it tough? |

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**What will I know by the end of the unit?**

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| Children will… |
| Name objects and identify the materials they are made from.  Recognise that objects are made from materials that suit their purpose.  Recall that a property is how a material can be described.  There are lots of different everyday materials. Paper, wood, plastic, glass and metal are different everyday materials. |
| Sort objects based on the materials they are made from.  Group objects based on their properties.  Suggest ways to test materials for their properties.  Make predictions and recognise whether they were accurate.  Use their observations to answer questions.  Begin to recognise if a test is fair.  An object is a thing made from different materials e.g. table, cup, book or jumper.  A material is what the object is made from e.g. a table is made from wood.  Materials are all different. They can be bendy, rigid, shiny, soft, hard or waterproof. |

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| 1. Write down a word you would use to describe wood. | **S** | | **E** |
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| 4. Tick the objects which are transparent. | **S** | **E** |
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| 5. How would you describe a glass window? | **S** | **E** |
| 1. Soft and fluffy. |  |  |
| 1. Hard and transparent. |  |  |
| 1. Opaque and long. |  |  |
| 1. Small and round. |  |  |

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| 2. What material would you on a boat? | **S** | **E** |
| 1. Fabric |  |  |
| 1. Wood |  |  |
| 1. Stone |  |  |
| 1. Glass |  |  |

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| 3. Which of these objects are waterproof? | **S** | **E** |
| 1. Raincoat |  |  |
| 1. Socks |  |  |
| 1. Fluffy jumper |  |  |