Th

Questions

What are materials used for?

What happens when we squash, bend, twist or stretch a material?

What’s the right material for the job?

What’s the most absorbent material?

Who invented waterproofing?

**Key Vocabulary**

|  |  |
| --- | --- |
| **Tier 2** | **Tier 3** |
| artificial | ceramic |
| brittle | durable |
| extracted | inflexible |
| fabric | reflective |
| manufactured | rigid |
| natural | translucent |
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|  |  |
|  |  |

**Big Ideas/Substantive Concepts**

Materials

Changes

Purpose

Pupils should be taught to:

* identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
* find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching

Year 2 Uses of Everyday Materials

**Resources:** [CUSP curriculum](https://www.unity-curriculum.co.uk/history/history-ks2/) and [Curriculum vision](https://www.curriculumvisions.com/indexHistory.html) resources for online non-fiction texts

Making connections to prior learning

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| --- |
| **EYFS: “The Natural World”**  Explore the natural world around them, making observations and drawing pictures of animals and plants.  Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.  Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.  **Year 1:**  Everyday materials |

Working Scientifically

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| --- | --- | --- |
| Asking simple questions and recognising that they can be answered in different ways | Observing closely, using simple equipment | Performing simple tests |
| Identifying and classifying | Using their observations and ideas to suggest answers to questions | Gathering and recoding data to help in answering questions |

**Outdoor Learning Opportunities**

Alfresco Learning: “Year 2 Materials”