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| ***Words to know and spell (Tier 2 Vocabulary)*** | | |
| Wood | Plastic | Glass |
| Metal | Bendy | Brick |
| Dull | Elastic | Fabric |
| Foil | Man-made | Natural |
| Rough | Shiny | Smooth |
| Soft | Stiff | Stretchy |
| Waterproof | Property | Rock |

|  |  |
| --- | --- |
| ***Words to understand and spell (Tier 3 Vocabulary)*** | |
| **Absorbent** | Material that easily soaks up liquid. |
| **Opaque** | If an object is opaque, light cannot travel through it. |
| **Properties** | The qualities of materials, particularly those that mean it can be used for specific purposes. |
| **Suitability** | Whether something is acceptable for a given purpose. |
| **Translucent** | If something is translucent, light can partly pass through it (e.g. frosted or tinted windows). |
| **Transparent** | If an object is transparent, you can see through it and light can easily pass through it. |

** Tigers – Science KCV – Everyday Materials**

• Know how to distinguish between an object and the material from which it is made.

• Know from observation how to distinguish between materials made of wood, plastic, glass, metal, water, rock

• Know that matter (stuff) is made from tiny building blocks

• Know how to describe the simple physical properties of a variety of everyday materials.

• Know how to compare and group together a variety of everyday materials on the basis of their simple physical properties.

***Key facts to learn:***

***Concept check questions. Test yourself:***

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| --- |
| Is this object wood, or is it made from wood? |
| Which words can I use to best describe this material?  How can I group these materials? |
| What is the best material for…? |
| **Opportunities for Investigation:**  **Comparative test**: Which materials are the most flexible? Or Which materials are the most flammable? |

• Ask questions and make observations

• Use simple equipment to perform tests (including comparative tests)

• Use my sense of sight and smell to collect evidence

* • Understand the basis of fair testing
* • Take measurements
* • Record my results in tables, diagrams, drawings and photos

• Make predictions, giving reasons

***Key skills to do:***

**Year 1 – Science – Summer – Heyford Park School**

**Year 5 – Science – Autumn 1 – Heyford Park School**