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|  | **Uses of everyday materials** | | | **I:\Cross Gates Primary\Cross Gates Primary LOGO.jpg** |
| **Year Group: 2** | **Subject Focus: Science** | **Term: Autumn 2** |
| **Key facts**   * Materials can have a number of different properties. They are chosen for various uses based on their properties. * Materials can be hard or soft, shiny or dull, rough or smooth, flexible (bendy) or rigid (not bendy), waterproof or permeable and opaque, translucent or transparent. | | **Our Learning Journey:**  **W**e **A**re **L**earning **T**o…  Investigate what we already know about every day materials- linking back to our Year 1 learning.  Identify materials of different objects.  Investigate how solid objects can be altered to change their suitability for a purpose.  Identify the use of everyday materials and their suitability.  **Our five enquiry types:**    **Working Scientifically Skills:**  In this unit we will be:    Asking Questions    Making Predictions    Observing    Interpreting and Communicating Results    Evaluating | **Key words:**   |  |  | | --- | --- | | **flexible** | Bending easily without breaking. | | **material** | The substance to make something. | | **property** | The qualities which a material has. This could be, hard, soft, flexible, strong, etc. | | **rigid** | Unable to bend or forced out of shape. | | **rough** | Having an uneven surface, the opposite of smooth. | | **smooth** | Having an even surface with no bumps or lumps. The opposite of rough. | | **transparent** | Letting light pass through and giving a clear view of objects at the other side. For example, windows. | | **use** | What purpose objects serve. | | **opaque** | Not letting light pass through. For example, if transparent materials let light through (such as windows), opaque surfaces do not (for example curtains). | | **waterproof** | Not letting water through. |   **Transparent Opaque** | |
| **Key people**  **William Addis** – Toothbrush inventor  **Charles Mackintosh** – Invented the waterproof coat, Mackintosh raincoat named after him  **John MacAdam-Roads Chester** – invented earmuffs. | |
| **Exciting books/ web links:**  Centrally Heated Knickers – Michael Rosen (poetry book)  Little Lumpty – Miko Imai  Santa is Coming to Leeds – Steve Smallman  Aliens Love Underpants – Claire Freedman    The Three Little Wolves and the Big Bad Pig – Eugene Trivisas | |
| **Parents as partners:**  Could your child investigate what material their toys/clothes are made out of?  What is their favourite material? What properties does it have?  What different materials can you find in your home?  Imagine a world without wood/metal/plastic, could your child draw what their life may look like? | |