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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 QuestionsMaking PredictionsObservingInterpreting and Communicating ResultsEvaluating | **Key words:**

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| **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 ImaiSanta is Coming to Leeds – Steve SmallmanAliens Love Underpants – Claire FreedmanThe 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? |