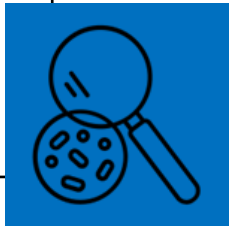




Objectives and Sticky Knowledge

Previous Knowledge Recap:

- \*Safely explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.
- \*Understand some important processes and changes in the natural world around them; including seasons and changing states of matter.



Land Objectives and Sticky Knowledge:

Know the name of the material an object is made from.	Know about the properties of everyday materials.
<ul style="list-style-type: none"><li>-Be able to name everyday materials</li><li>-Understand the difference between an object and a material</li></ul>	<ul style="list-style-type: none"><li>-Be able to understand and talk about similarities and differences between different materials</li><li>-To understand the meaning of different properties e.g. the difference between hard/soft, smooth/rough</li></ul>

Links with ‘Communication’ Golden Thread:

- To talk about which material is best for purpose and why
- Conducting an experiment to test for the best material

Links with CST:

- Participation – taking part
- Subsidiarity – everyone should have a say

Links with CKA Values Crown:

- Service, hope, justice

# Year 1 Science – Materials Knowledge Organiser

**You can put materials into different groups by answering questions about the material**

- Hard or soft?
- Stretchy or stiff?
- Shiny or dull?
- Rough or smooth?
- Bendy or not bendy?
- Waterproof or not waterproof?
- Absorbent or not absorbent?
- Transparent or opaque?



## Golden Thread: Communication



## Materials

Wood



Plastic



Glass



Metal



Rock



### Properties of materials



It is hard.



It is waterproof.



It is solid.



It is sunny.



It is rough.



It is smooth.



This bottle is made from plastic.

object

material



This coin is made from metal  
and it is hard.

property

### Sky objectives:

1. Ask questions about the wider world.
2. Perform a simple test and describe what happens.
3. Describe what has happened and how it came to be.