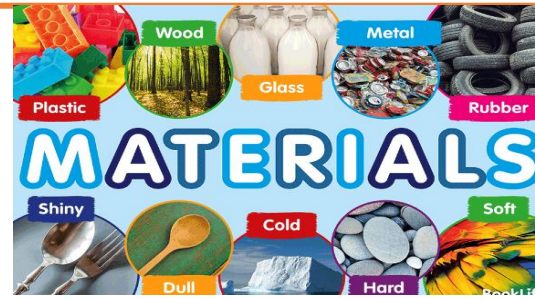


# Science - Materials Knowledge Organiser

## Key Vocabulary

<b>materials</b>	What objects are made from.
<b>suitability</b>	Having the properties which are right for a specific purpose.
<b>properties</b>	This is what a material is like and how it behaves (soft, stretchy, waterproof).



## Prior Knowledge

FS1	Materials	<p>Knows how to talk about the differences between materials and changes they notice.</p> <p>Knows how to explore collections of materials with similar and/or different properties</p> <ul style="list-style-type: none"> <li>• Distinguish between an object and the material from which it is made</li> <li>• Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>• Describe the simple physical properties of a variety of everyday materials</li> <li>• Compare and group together a variety of everyday materials on the basis of their simple physical properties</li> </ul>
Yr1	Materials	

**Squash** an object by pushing both hands together.



**Bend** an object by grabbing both ends of the object and bringing the ends inwards together.



**Twist** an object by turning your hands in opposite directions.



**Stretch** an object by pulling your hands slowly and gently apart.



## Key Information

1	<b>wood</b>	hard, stiff, strong, opaque, can be carved into any shape
2	<b>plastic</b>	waterproof, strong, can be made to be flexible or stiff, smooth or rough
3	<b>paper</b>	lightweight, flexible
4	<b>fabric</b>	soft, flexible, hard-wearing, can be stretchy, warm, absorbent
5	<b>glass</b>	waterproof, transparent, smooth, hard
6	<b>metal</b>	strong, hard, easy to wash
7	<b>cardboard</b>	strong, light, stiff
8	<b>rubber</b>	hard-wearing, elastic, flexible, strong