









Meadows First School Knowledge Organiser **SCIENCE** **Year 2 Spring 2** **Focus: Materials**

Key Knowledge

I can compare which materials would be best suited for particular uses.

Material	Properties	Uses
Wood 	Hard, stiff, strong, opaque, can be carved into any shape.	Furniture, doors, sheds and floors.
Metal 	Strong, hard, opaque, easy to wash, easy to polish, heavy.	Coins, cans, cars and cutlery,
Glass 	Waterproof, transparent, hard, smooth, fragile.	Windows, glasses, bottles and jars.
Fabric 	Soft, flexible, hard-wearing, stretchy, warm, absorbent	Clothes, curtains, blankets and bags.

I can find out how solid objects can be changed by squashing, bending, twisting and stretching.

<p>Squash an object by pushing both hands together.</p> 	<p>Bend an object by grabbing both ends of the object and bringing the ends inwards together.</p> 	<p>Twist an object by turning your hands in opposite directions.</p> 	<p>Stretch an object by pulling your hands slowly and gently apart.</p> 
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Key Vocabulary

materials	What objects are made from.
properties	This is what a material is like and how it behaves.
suitability	This means having the properties which are right for a certain job.
opaque	Something you can't see through.
transparent	Something you can see through.
fragile	A material that will break easily.
flexible	A material that can be bent and stretched.
absorbent	A material that absorbs water and other liquids.

Working Scientifically

- We will design and carry out an investigation into the strength of different materials. We will record our findings using simple equipment.
- We will compare and group different materials by looking at their properties.
- We will carry out an experiment on flexibility and discuss what we think will happen.

Books, Internet Sites and Places to Visit.



What are Materials? <https://www.theschoolrun.com/what-are-materials>