

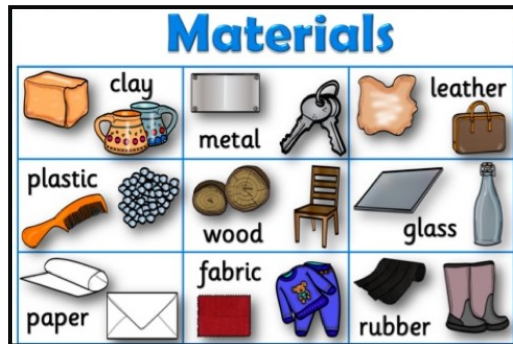


What Is It Made Of?

Everyday materials

1. What material is it?

- materials are **all** around us
- we can classify the material by what it is made from



2. Are all materials the same?

- We can categorise materials by looking at their **textures**. We can use words like: **hard/soft, rough/smooth, stretchy/stiff, shiny/dull, bendy/not bendy**.

3. Are the properties of all materials the same?

- properties of materials help us to decide **what they will be used for**
- can describe the properties of materials by using words like: **opaque, absorbent, waterproof and see through**.

4. Where do different materials come from?

- different materials come from different places.
- things made from wood come from trees.
- cotton comes from a plants
- wool comes from sheep
- metal comes from the core of the earth.

4. What is the best material for a raincoat?

Investigation: How do we know?

During this investigation we will explore the **properties of different materials**, we will then make decisions about the materials and their purposes.

This will help us to make a decision about which material to use for the purpose (job) intended (not let water through).

Stephanie Kwole

She was an American chemist who invented a very strong plastic called **Kevlar**. It is best known for its use in bulletproof vests. She was born in 1923 and died in 2014.



By having access to education, we are able to learn and achieve our dreams. Because Stephanie Kwole had the right to education, she was able to become a scientist and make the world a better and safer place.

waterproof	something that keeps water out
elastic	able to stretch and be returned to its original shape or size
stretchy	able to stretch or be stretched easily
opaque	not able to be seen through