

# Materials



## Overview:

In this topic we will be learning about how different materials are suitable for different uses and use their properties to help us explain why. We will be looking at how an object can be made from different materials and why.

### What I already know...

The names of basic materials such as wood, metal, plastic and fabric.

The properties of some materials e.g. hard or soft, rough or smooth, bendy or rigid and waterproof or absorbent.

### By the end of this unit...

I will be able to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

I will find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

I will learn about John Dunlop and Charles Macintosh and their inventions.

I will perform simple tests to find the answer to questions about materials

### Key Vocabulary

Suitable	Unsuitable	Flexible
Rigid	Waterproof	Absorbent
Transparent	Translucent	Opaque
Durable	Malleable	Fair Test

### Relevant significant Events and People and ideas



John Dunlop



Charles Macintosh

### Key Questions

How many everyday materials can you name?

What does the word properties mean?

Why are some materials suitable for a purpose while other are not?

Which materials can shape and why?

What did John Dunlop and Charles Macintosh invent?