

Squashing



Crushing something so that it becomes flat, soft or out of shape.

Bending



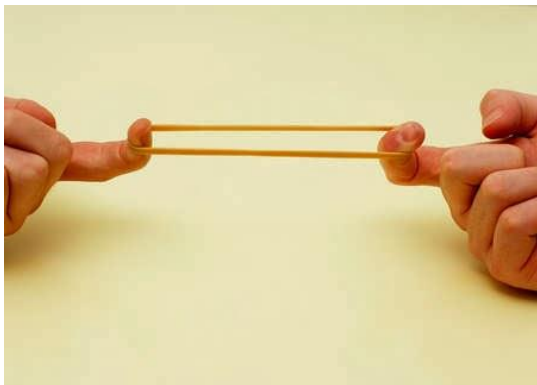
Changing a straight object so that is curved.

Twisting



Changing the shape of an object by turning it in opposite directions.

Stretching



Making an object longer or wider without it tearing or breaking.

# MATERIALS

All objects have a name like 'door'. Material is the 'stuff' an object is made from.

## Everyday materials:

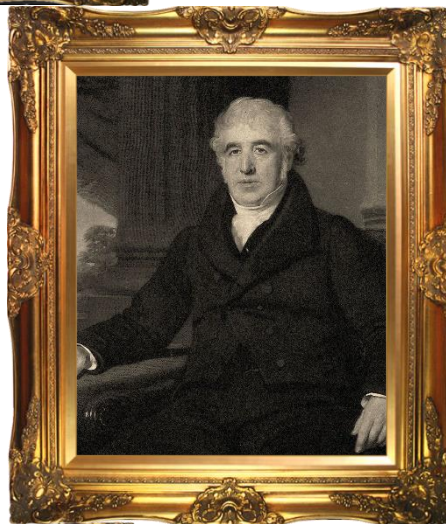
Glass  
Wood  
Metal  
Rock  
Plastic  
Water  
Rubber  
Fabric  
Paper

## Properties:

hard/ soft  
stretchy/ stiff  
shiny/ dull  
rough/ smooth  
flexible/ not flexible  
waterproof/ not waterproof



**John Dunlop**  
Born in 1840  
An expert in  
**rubber**  
Invented the  
first inflatable  
tyre



**Charles Macintosh**  
Born in 1766  
He invented the  
first waterproof  
fabric  
The 'mac'  
raincoat is  
named after him



**John McAdam**  
Born in 1756  
He invented  
building roads  
with a smooth,  
hard surface.

## Key Vocabulary:

**absorbent-** a material that can soak up liquid easily.

**transparent-** a material you can see through.

**opaque-** a material you cannot see through.

**properties-** a way to describe something.

**inflatable-** can be filled with air.

**hypothesis-** an idea that can be tested.