





We can change the

SHAPE of some solid

materials by

applying pressure to

them e.g. squashing,

bending, twisting and

stretching.

Charles Macintosh was a Scottish inventor and chemist who invented waterproof fabrics in 1818. The Mackintosh raincoat was named after him in 1824.

Year Two Materials

Think about an apple, a river and the air that we breathe. They seem different but they are all made of MATTER.



Autumn 1

Squashing, Bending, Twisting and Stretching Bend an object by grabbing both Squash an object by ends of the object and bringing pushing both hands Twist an object by turning your Stretch an object by pulling you hands in opposite directions hands slowly and gently apart.

Glossarv

Gas - a substance or matter in a state in which it will expand freely to fill the whole of a container, but we can't always see it

Liquid - a substance that flows freely but is of constant volume, like water or milk

Materials - this are what objects are made from

Properties - this is what a material is like and how it behaves (soft, stretchy, waterproof)

Solid - a substance or object that is solid (usually has a fixed shape)

Suitability - means having the properties which are right for a specific purpose

MATTER

is the stuff that makes up all of the things in the world. From your shoes to a flower to the air that we breathe.

rubber plastic

There are different kinds of MATTER.

Matter can be a solid, a liquid or a gas.



Different materials have different PROPERTIES. These properties make them suitable for different uses.

Matter makes up different types of materials. Some common materials are: wood. plastic, glass, metal, fabric, paper, rubber and cardboard.

woo



Properties of Materials







wood: hard, stiff, strong, opaque, can be carved into anu shape.





fabric: soft, flexible, hard-wearing, can be stretchu. warm, absorbent.







Think about a window. Whu do we use alass for windows? What are the properties of glass that make it suitable for windows?