## Grange Park Primary School Year 2 Autumn 2 Science

#### Materials

# **Significant Scientists**

#### John Dunlop



A Scottish inventor (1840 - 1921) who used rubber to invent the air-filled tyre for a bicycle. It was later developed for cars.

### Charles Macintosh



A Scottish chemist (1766 - 1843) who invented waterproof fabrics in 1818. The Mackintosh raincoat was introduced in 1824.

## **Enquiry Skills**

Fair testing

Pattern seeking

Identifying and classifying

## **Working Scientifically Skills**

Question, answer, observe, sort, group, compare, measure, test.

Record results – diagram, chart.



### **Key Knowledge**

Materials are what objects are made from.

Some materials have certain properties which are right for a specific purpose. This is why they are used to make this object.

A materials property is what it is like and how it behaves e.g. soft, stretchy amd waterproof.

To learn about a materials properties we **squash, bend, twist and stretch** it.



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





plastic: waterproof, strong, can be made to be flexible or stiff, smooth or rough.















