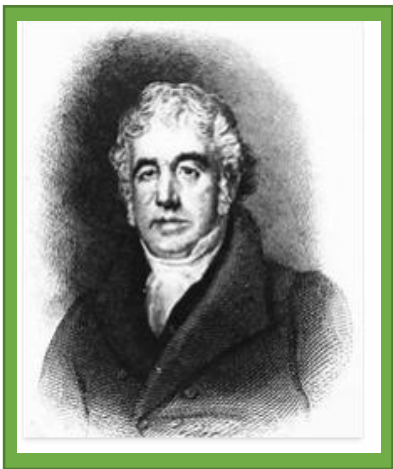




John McAdam

McAdam noticed that highways were in poor condition and carried investigations to improve the condition of roads. He recommended using large rock, smaller stones and covering these with fine gravel to make them smoother. It took 30 years for him to improve all the roads in the United Kingdom!

Year 2, Autumn 1 –
Use of Everyday Materials



Charles Mackintosh

Macintosh experimented with various chemicals and found that a by-product of coal tar was able to dissolve India rubber. This paste was able to repel water, creating waterproof fabric.

Materials	Properties	Uses
Wood	A hard material from a tree.	Door, chair.
Metal	A sold material which is hard and shiny.	Coin, fork.
Glass	A transparent material used for windows.	Window.
Plastic	A man-made material that can be used to make toys.	Water bottle, toys.

Vocabulary	Definition
Rough	An uneven surface.
Smooth	An even and regular surface
Transparent	Lets light through, cannot be seen through.
Opaque	Blocks light, cannot be seen through.
Shiny	Reflects light.
Stretchy	Able to stretch.
Rigid	Not easy to bend or change.
Repel	Do not absorb liquid, liquid stays on the surface.
Absorbent	Lets in water.