

Rowan Class – Autumn 2 Science - Materials Knowledge Organiser

Prior Learning

We know:

- ♣ How to distinguish between an object and the material from which it is made
- ♣ How to identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock.
- ♣ How to describe the simple physical properties of a variety of everyday materials.

Key knowledge to learn and remember

- ♣ That different materials are suitable for different purposes e.g. we build houses out of brick and not straw
- ♣ Identify key materials that are used in our local area
- ♣ Solid objects can be changed by squeezing, bending, squashing, twisting and stretching them.
- ♣ Understand that various people throughout history have developed materials for suitable purposes e.g. the Romans developed concrete and John McAdam created the mac (raincoat)

How solids can be changed

Squash



Bend



Twist



Stretch



Key Vocabulary: Learn the meaning of the word/phrase

wood – hard material from trees

rock – a hard, naturally occurring mineral

plastic - a synthetic material

paper – made from the pulp of wood

glass – a hard, brittle material made from sand

rigid – unable to bend

brick -

flexible – capable of bending