St Andrew's C of E Maghull
Science Knowledge Organiser
Year 1 Science – Autumn 1 – Exploring everyday materials

Knowledge: I…

Can distinguish between an object and the material from which it is made.

Can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.

Can describe the simple physical properties of a variety of everyday materials.

Can compare and group together a variety of everyday materials on the basis of their simple physical properties.

Can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

Can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Vocabulary

wood - trunk and branches of a tree
plastic - material made of chemicals
glass - hard, clear material
metal - hard material
rock - part of the earth (cliffs, mountains)
card - thick piece of paper
clay - wet, stiff earth
elastic - can stretch easily without breaking
fabric - cloth material
paper - made from wood, used for writing
rubber - stretchy material used to make tyres
brick - hard block of clay used for building
foil - thin sheet of metal
wool - thick, soft hair of sheep and other animals
opaque - not letting light through
transparent - letting light pass through
waterproof - not letting water through
absorbent - soaks up liquid
translucent - letting some light through
flexible - easily bent without breaking
blunt - not sharp
tear - to pull apart
stretchy - can be stretched
stiff – not easy to bend

Lesson Sequence:

Lesson 1: I can recognise a variety of everyday materials.

Lesson 2: I can describe some simple properties of materials.

Lesson 3: I can group together materials by their physical properties.

Lesson 4: I can explore everyday materials which are opaque or transparent.

Lesson 5: I can explore everyday materials which are absorbent or non-absorbent.

Lesson 6: I understand why materials are chosen for specific tasks.

Lesson 7: Exit test.

glass

elastic

translucent

shiny