

Year 1 Science – Everyday Materials

Knowledge

I can explore and name some common materials: wood, plastic, glass, metal, fabric, water, rock.

I can find objects made from common materials and can distinguish between the object and from what it is made.

I can explore and name a wider range of materials: brick, paper, elastic, foil and more.

I can begin to compare and group objects by their material.

I can explore, discuss, compare, group and answer questions about everyday materials and their properties: hard / soft; shiny/dull; rough/smooth.

I can explore, discuss, compare, group and answer questions about everyday materials and their properties: stretchy / stiff; bendy / not bendy.

I can explore, discuss, compare, group and answer questions about everyday materials and their properties: waterproof / not waterproof; absorbent/ not absorbent.

I can explore, discuss, compare, group and answer questions about everyday materials and their properties: transparent (see through) / opaque (not see through).



Cross Curricular links/Past knowledge

EYFS - Understanding the World: Term 3 - floating and sinking materials; natural and found objects

EYFS - Communication and Language: Term 4 - how and why questions

Y1 - Our Rights - I can explore and sort Victorian artefacts into 'then' and 'now', discussing materials as part of this.

Y1 - Healthy Me? - I can explore and compare old and new toys, discussing materials as part of this.

Y2 - I can identify and compare the suitability of a variety of everyday materials.

Y2 - I can find out how the shapes of solid objects made from some materials can be changed

Vocab

material, object

wood, plastic, glass, metal, fabric, water, rock

hard/soft, shiny/dull, rough/smooth, stretchy/stiff, bendy, waterproof, absorbent, transparent (see through), opaque (not see through)

Working Scientifically

I can observe what happens when I perform simple tests.

I can ask simple questions and suggest a plan for how to answer them.

I can use my observations to answer questions and draw simple conclusions.

I can begin to gather and record data during my observations, using non-standard measures.

I can draw pictures and use labels to show what happened.

I can use my findings to make comparisons between other tests I have carried out.

I can use my findings to ask further questions, reflecting and suggesting improved ways of testing these.