



Prior Learning (Animals including Humans) to Reactive

- distinguish between an object and the material from which it is made
- identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- describe the simple physical properties of a variety of everyday materials
- compare and group together a variety of everyday materials on the basis of their simple physical properties

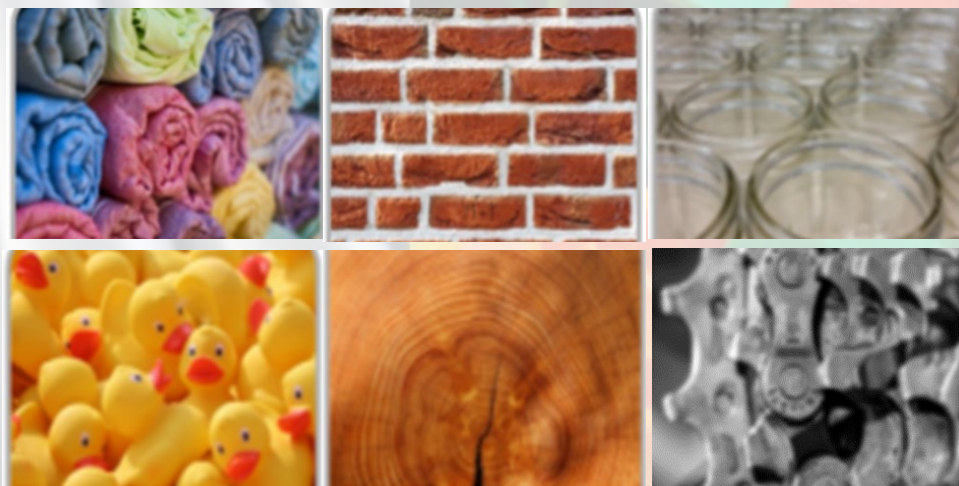
Key Learning

- We know that glass is a suitable material for making windows as it is waterproof, transparent, and rigid. We know metal is a suitable material for making coins as it is rigid, and strong. We know fabric is a suitable material to make clothes because it is flexible and soft.
- We know materials can be combined to make them suitable for a specific job e.g. a coat for Christopher Columbus. We know how Charles Macintosh did this to invent the Mac.
- We know flexible materials can be bent, stretched, squeezed and twisted and rigid materials cannot.

Scientific Skills

- compare the uses of everyday materials in and around the school with materials found in other places (at home, the journey to school, on visits, and in stories, rhymes and songs)
- observe closely, identifying and classifying the uses of different materials, and recording their observations.
- carry out simple tests to find out the suitability of materials for specific purposes; as well as a combining of materials.

Linked documents: Class Overview, Science Whole School Progression document and Class Medium Term Planning.



Key vocabulary

material	What an object is made from.
suitability	Being right for a particular job.
flexible	Able to be bent, twisted, stretched or squashed.
rigid	Unable to be bent, twisted, stretched or squashed.
absorbent	Sucks up liquids.
waterproof	Keep s water out.
transparent	Lets light through therefore is see-through.
bend	To shape into a curve.
stretch	Being made longer or wider without breaking.
squeeze	Changes shape from pressing firmly.
twist	Curling out of shape.
Other Key Vocabulary	plastic, wood, glass, fabric, metal, rock, hard, soft, rough, smooth, shiny, dull, strong, weak