

Materials

Year 1

- I will understand the difference between an object and the material it is made from.
- I will identify and name a variety of everyday materials.
- I will describe the simple physical properties of everyday materials.
- I will compare and group together a variety of materials on the basis of their properties.

Year 2

- I will identify and compare the suitability of a variety of everyday materials for particular uses.
- I will find out how the shapes of solid objects can be changed by squashing, bending, twisting and stretching.

Year 5

- I will compare and group everyday materials based on their properties including their hardness, solubility, transparency, conductivity and their response to magnets.
- I will know that some materials will dissolve in liquid to form a solution.
- I will be able to describe how to recover a substance from a solution.
- I will use my knowledge of solids, liquids and gases to decide how mixtures might be separated. (Filtering, sieving and evaporating).
- I will give reasons, based on evidence from comparative and fair tests, for the use of everyday materials.
- I will demonstrate that dissolving, mixing and changes of state are reversible changes.
- I will explain that some changes result in the formation of new materials and that these changes are not usually reversible.