



Our World, Our responsibility

Year 1 (Science – Materials)

Important Ideas:

- To be able to name materials and describe why they are used for certain purposes.
- To understand which materials are more environmentally friendly

You have already learned:

- That things can be sorted into groups based on their colour, size etc.
- To group animals according to their characteristics
- What our 5 senses are and how we use them



Key Tier 2 Vocabulary:

Describe	give a detailed account in words
Compare	To notice the similarities or dissimilarities,
Identify	establish or indicate what something is.
Classify	Arrange (a group of people or things) in classes or categories according to shared qualities or characteristics.
Groups	a number of people or things that are located, gathered, or classed together

Key Tier 3 Vocabulary:

Materials	the matter from which a thing is or can be made
Properties	Properties are the qualities and characteristics of a substance that describe and identify it.
Senses	There are five basic human senses: touch, sight, hearing, smell and taste.
Metal	Metals are minerals like iron or lead that are found underground in rocks. These are separated from the rocks using heat. Metals are very useful materials. Metals have many properties, such as strength, toughness, and stiffness. When heated, metals can be shaped into anything from a tiny paperclip to a huge aircraft.
Wood	Wood is the hard, fibrous substance found beneath bark in the stems and branches of trees and shrubs.
Plastic	A plastic is a kind of material that is made by people and can be formed into almost any shape. Most plastics are strong, long-lasting, and lightweight. They resist damage by water, heat, chemicals, and electricity. In addition, plastics can be made in many colours.

Materials and Their Properties



Sticky Knowledge – I will know:

- what a material looks and feels by like using my senses.
- the difference between an object and the material it is made from.
- the names of variety of everyday materials, including wood, plastic, glass, metal, rock and water.

Scientific Skills – I will be able to:

- compare and group together a variety of everyday materials on the basis of their simple physical properties
- record my findings
- identify a variety of everyday materials, including wood, plastic, glass, metal, rock and water.

