



Edenfield C E Primary School

Medium Term Plan - Sequence and Progression

Subject: Science

Unit: Year 1 – Materials

Key Vocabulary

- Common material names: metal, plastic, wood, paper, glass, clay, rock, brick, fabric, sand, papers, cork, shell, water, elastic, foil, etc.
- Words used to describe materials and their properties: hard/soft, rough/smooth, shiny/dull, bendy/not bendy, stretchy/stiff, waterproof/not waterproof, absorbent/not absorbent, magnetic, transparent, opaque, float, wet, squashy, strong, etc.
- Words and phrases for making comparisons: the same as, different from, harder, smoother, roughest, etc.
- Working scientifically vocabulary: group, sort, sorting rings, describe, compare, because, etc.

Lesson Sequence

1. To observe different materials – Create a trial featuring different materials. Ask the children to compare them when you have found them.
2. To name a number of common materials - sort and compare different objects by the material they are made from. Consider if all plastic, wood etc looks and feels the same.
3. To explore natural and man-made materials -
4. To identify the properties of common materials -
5. To test the properties of materials -
6. To compare materials through a test -
7. To use the properties of materials to create a design – Assessment task to allow children to demonstrate their knowledge of material properties. E.g. making a tent, umbrella etc
- 8.
- 9.

By the end of the unit pupil will know:

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

Skills

Working Scientifically

- Classify different objects by the materials they are made from
- Compare the properties of different materials
- Identify man-made and natural objects
- Perform simple tests to explore questions, for example, what is the best material for:
 - an umbrella?
 - lining a dog basket?
 - curtains?
 - a bookshelf?
 - a gymnast's leotard?