

Science Knowledge Organiser: Year 1 - Spring term - Materials

Spring 1 Materials for toys –Which material would be most effective to make a toy aeroplane?

Spring 2 Materials for building – Which Materials will be more suitable for a house?

What we already know:

- Can use senses to sort and name different materials – wood, metal, plastic, fabric.
- Some materials are stronger than others are.
- Some materials are waterproof and others are magnetic.
- Simple changes to materials – making jelly – freezing and melting ice
- Some materials are man made and others are natural.

Key Vocabulary:

- * Properties
- * Metal
- * Rock
- * Fabric
- * Wood
- * Plastic
- * Ceramic
- * Suitable
- * Purpose

What we are going to learn:

- There are many different materials that have different observable properties.
- Materials that have similar properties are grouped into metals, rocks, fabrics, wood, plastic and ceramics (including glass).
- 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.

What we are going to learn next time: Materials for Clothing

- There are many different materials that have different describable and measurable properties.
- Materials that have similar properties are grouped into metals, rocks, fabrics, wood, plastic and ceramic (including glass)
- The properties of a material determine whether they are suitable for a purpose.