

Science- Everyday Materials

Construction

Prior Knowledge

In EYFS, the children learnt objects are made from different materials including wood, plastic, metal and that different materials are used for different purposes. They have used a wide variety of objects and materials to build and make things with during continuous provision. In Year 1, the children learnt about the properties of materials, whether a material is waterproof or absorbent and which materials are man made or natural.



Key Vocabulary

Tier 1: Rough, smooth, flat, bumpy, sharp, blunt, hard, soft, stretchy, stiff, shiny, dull, bendy, not bendy, wood, metal, plastic, glass, rock, water

Tier 2: Materials, properties, sorting, grouping, fabric

Tier 3: Waterproof, not waterproof, absorbent, not absorbent, opaque, transparent, physical properties, magnetic, non-magnetic

What are the properties of wood?



My Component Knowledge:

Lesson 1: I can sort objects and understand the difference between an object and the material from which it is made.

Lesson 2: I can identify and name a variety of everyday materials and know they have different properties.

Lesson 3: I can explore a variety of different magnets and metal objects and consider the usefulness of magnets.

Lesson 4: I can sort and classify objects using key vocabulary to describe their properties.

Lesson 5: I can explore the different materials the Little Pigs used to build their houses and predict which material will be the most successful for the Little Pigs and why.

Lesson 6: I can explore and use materials to recreate an alternative house for one of the little pigs.

My Composite Knowledge:

I know there are different types of materials and these are used to make everyday objects. I can identify a range of everyday materials including wood, plastic, glass and metal. I can sort and group objects according to their material.

My Powerful Knowledge:

I will learn how to observe closely by using simple equipment and use my observations and ideas to suggest answers to questions. I will learn to recognise the suitability of a variety of everyday materials for particular uses.

Why might an object be made from more than one material?



Does everything made of metal stick to a magnet?

