

Science: Everyday Materials

Construction

Prior Knowledge:

In EYFS, you will have learnt objects are made from different materials including wood, plastic, metal. Different materials are used for different purposes.

Future Knowledge:

In Y2, you will learn the shape of some materials can be changed when they are stretched, twisted, bent and squashed.

It is harder to change the shape of certain materials.

Can you name an example of a material that is man made?



How is a plastic Lego brick different to a glass window?



My Component Knowledge:

Lesson 1: I know how to identify a variety of common materials

Lesson 2: I can distinguish between an object and the material from which it is made

Lesson 3: I can describe a material using its properties

Lesson 4: I can describe why some materials are better for some objects than others

Lesson 5: I can carry out an experiment to find out which materials are waterproof

My Composite Knowledge:

I will be able to identify a variety of common materials

I will distinguish between an object and the material from which it is made.

I will describe a material using its properties

My Powerful Knowledge:

I can explore, name, discuss and raise and answer questions about everyday materials, becoming familiar with the names of materials and properties such as: hard/soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not bendy; waterproof/not waterproof; absorbent/not absorbent; opaque/transparent. I will explore and experiment with a wide variety of materials and be really confident about understanding their uses.

Key Vocabulary

Tier 1: Sorting, grouping, same, different,

Tier 2: Wood, plastic, stone, metal, fabric,

paper, glass, material, hard, soft, stretchy, stiff, rough, smooth, bendy, rigid, waterproof, not waterproof, absorbent, not absorbent

Tier 3: Opaque, transparent, physical properties.



Look around you— what materials can you see?

