

Starters for Science: Y1 Everyday Materials

Starters for Science are 4 activities that parents can use at home to help children develop their science alongside the key learning and vocabulary children are using at school. The activities are easy to resource and provide children with the stimulus to learn and talk about their science topic. Encourage children to use the correct vocabulary as they talk about what they are doing and finding out. Don't forget to share your work on social media

#ScienceFromHome

Key Learning:

Material is the stuff things are made out of.

Common materials are wood, plastic, metal, glass, fabric, water and rock.

Objects are made out of materials. Some objects are made out of more than one material.

Materials have properties. Some properties are: hard/soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not bendy; waterproof/not waterproof; absorbent/not absorbent; opaque/transparent.

Materials can be grouped by their properties.

Objects are made out of a certain material as that material's properties are the most suitable for the job the object does.

Vocabulary:

material

object

wood

plastic

glass

metal

water

rock

properties

hard/soft

stretchy/stiff

shiny/dull

rough/smooth

bendy/not bendy

waterproof/not waterproof

absorbent/not absorbent

1 minute materials

Sit in a room in your house.

Get ready to time 1 minute. In that minute, name as many materials as you can that are in the room you are in.

Types of materials

Objects are made out of different materials because their properties are most suited for the job the object does.

Watch this video to understand a bit more <https://www.bbc.co.uk/bitesize/topics/z4339j6/articles/zx8hhv4>.

Now look in your house. Find an object and decide what material it is. Why has that material been used?

Materials hunt

Walk around your house and hunt for as many objects as you can that are made of plastic. Record them through writing a list or drawings. Now choose a different material, maybe metal. Are there more or less objects made of that material in your home?

Umbrella

What is the best material for an umbrella? From your kitchen collect some materials to test. It could be paper (kitchen roll), fabric (tea towel), metal (silver foil) or plastic (cling film). Come up with a test to decide which material would be best for an umbrella.