

Science Knowledge Organiser - Year 1

Unit: What are everyday materials and what are they like?

Key Vocabulary:

absorbent	If something is absorbent , it soaks water up.
bendy	Bendy objects can be folded easily.
dull	Dull objects do not reflect light and do not look bright or shiny.
hard	Hard objects are not easily broken or bent.
material	Materials are what objects are made from.
object	An object is a thing that can be seen and touched.
opaque	Opaque objects cannot be seen through.
rough	If something is rough , it feels and looks uneven or bumpy.
shiny	Shiny objects reflect light easily.
smooth	Smooth objects have no lumps or bumps.
soft	If something is soft , it is easy to cut, fold or change the shape of.
stretchy	Stretchy objects can be pulled to make them longer or wider without breaking.
transparent	Transparent objects can be seen through.
waterproof	If something is waterproof , it keeps water out and keeps things dry.

Science Skills:

- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.
- Distinguish between an object and the material from which it is made.
- Describe the simple properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.
- Observe closely and perform simple tests.
- Use observations and ideas to suggest answers to questions.

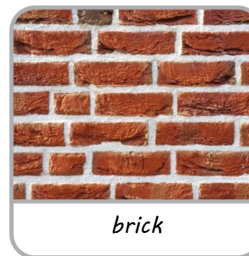
Key Facts:

- Rock and stone are natural **materials**.
- Plastic and glass are manmade **materials** which are made from natural **materials**.
- Water is a natural **material** that is everywhere: in the clouds, the rain, the oceans, the rivers and even in our bodies!
- Wood is a natural **material** that we get from trees.
- There are many different metals. Some are pure and come from the Earth's crust, and others are made by mixing metals with other metals.
- Some fabrics are natural, such as cotton and wool. Others, such as polyester and nylon, are manmade.
- Paper is made of wood pulp from trees.
- Brick is made of natural **materials**: clay, sand and water.

Everyday Materials



paper



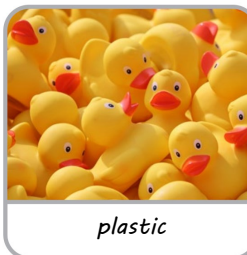
brick



fabric



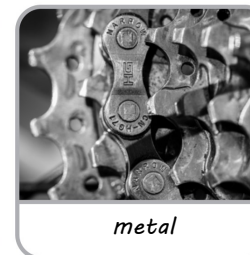
stone



plastic



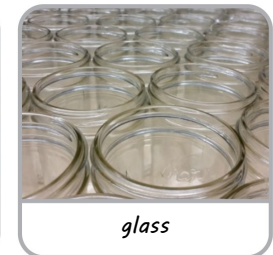
wood



metal



water

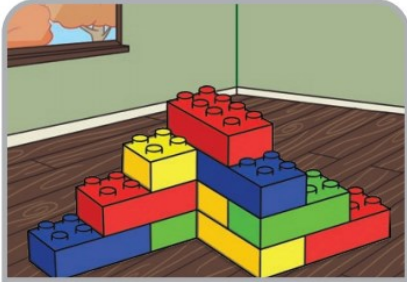


glass

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Unit: What are everyday materials and what are they like?

How Everyday Materials Are Used



plastic toys



wooden furniture



metal tools



drinking water



glass window



paper books



brick houses



fabric clothing



stepping stones

I wonder which material my umbrella should be made from...

