

# Science Knowledge Organiser

Year 1

Autumn (ii)

What is the best material to use to make a dolls' house?

## Portable Knowledge -

Everyday materials include: wood, plastic, glass and metal. The best material for making a dolls' house is wood or cardboard.

To know the names of everyday materials including wood, plastic, glass, metal, water, and rock.



plastic



wood



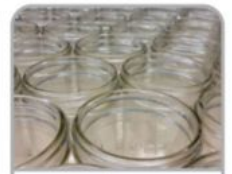
metal



stone



water



glass



paper



brick

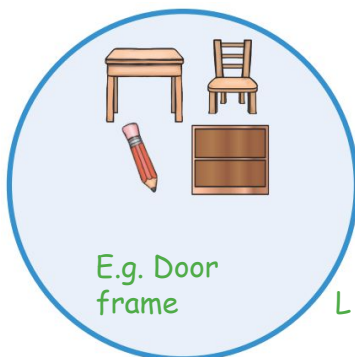


fabric

All objects are made of one or more materials.

Some materials can be made in different forms with different properties.

To sort objects into groups based on the material that they are made from.



Wood



Fabric



Metal

To describe the simple properties of some materials and what this makes them suitable for.

We can sort materials based on their properties. Some properties include: hard, soft, rough, smooth, stretchy, stiff, rigid, flexible, waterproof, absorbent, shiny, dull, see through and not see through.



To describe the simple properties of some materials and what this makes them unsuitable for.

A bathtub made from paper would be unsuitable because when paper gets wet it breaks down.



A window made totally from wood would not allow you to look through it.



A bag made from stone would be very heavy and would not be flexible.

To investigate the best material for a purpose such as the best material for making a dolls' house and give reasons explaining choices.

Card can be rigid and opaque but goes floppy when wet.

Plastic can be opaque and transparent and can be flexible.

Fabric is opaque and very flexible.



Bricks are hard and strong but very heavy.

Wood is hard and strong and lasts a long time.

Glass is clear and transparent but can break and be sharp.

### Core vocabulary

**Material** - A material is any substance that has a name.

**Waterproof** - water cannot pass through an object or material that is waterproof.

**Stretchy** - It can easily be stretched and can go back to the original shape