

Everyday Materials

KS1

Science Strand

Chemistry

What I should already know or do

- Materials are used to make things that I use.
- Materials are all around me.
- Materials can feel and look different.
- Explain how materials feel or what they look like.

What I will know by the end of this unit

- **Materials** are what everyday **objects** are made from.
- Name materials; **plastic, wood, metal, rock, brick, paper, cardboard and glass.**
- Materials are chosen for **particular** jobs such as glass has been chosen for windows. If windows were not made of glass, light could not shine through them and we could not see out of them.
- Some **solid materials** can be made into different **shapes.**
- Materials can be changed by **squashing, bending, twisting and stretching** them.
- Some materials can be **recycled.**
- **Recycling** is when we take a material and it is made into something else.

What I will be able to do at the end of this unit

- **Ask questions** about materials.
- **Compare** objects made from similar or different materials.
- **Sort** objects by the material they are made from using Venn Diagrams and Classification Keys.
- **Make careful observations** of an object and the material it is made from.
- **Explain** the suitability of materials and why they have been chosen for a particular job or not.
- **Investigate** the changes in objects when they are squashed, bent, twisted and stretched by performing a simple test.
- Make a **prediction.**
- **Record results** using a simple table and bar graph.
- **Conclude** what I have found out.
- **Explain** what recycling is.
- **Explain** why it is important to recycle

Vocabulary

material

properties

suitability

matter

force

friction

natural

man-made

object

substance

liquid

solid

Can You Stretch It?



Can you Twist It?



Can You Bend It?



Can You Squash It?

