



Year 2

Use of Everyday Materials

Science Knowledge Organiser

Knowledge
Skills
Vocabulary



Knowledge Progression

What do you want to know about materials?

Which material is best for the bottom of school shoes?

What are the uses of wood?

What are the uses of plastic?

Which material is best for blocking a hole in a bucket?

Which material is best at letting light through?

On which surface will the car travel furthest?

How well can we change the shape of some solid objects?

Can you apply your knowledge to make a product?

Curriculum Coverage

- Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rocks, paper and cardboard for particular uses
- Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Skills Progression

Use first hand experiences to ask and answer questions.

Say what their observations show and whether it was what they expected.

Begin to draw simple conclusions and explain what they did.

Begin to suggest some improvements to their work.

Collect and record data (supported by the teacher).

Suggest how they could collect data to answer questions.

Scientific vocabulary

Wood, plastic, glass, metal, water, rock, brick, fabric, sand, paper, flour, butter, milk, soil, hard/soft, stretchy/not stretchy, shiny/dull, rough/smooth, bendy/not bendy, transparent/not transparent, sticky/not sticky, crumble, squash, bend, stretch, twist, touch, see, hear, smell, taste

Scientific enquiry

What is a material? What changes will happen to the materials? Why are different materials used in different ways? Which materials are strong? Which are bendy? Which materials are transparent?

