Science

Key Vocabulary

Opaque	Transparent	Translucent
Reflective	Non-reflective	Flexible
Rigid	Push	Pull
Bend	Stretch	Twist

The Big Question

How do we choose the right material for the job?

What skills do will we need?

- I can ask simple questions and recognising that they can be answered in different ways.
- I can observe closely, using simple equipment.
- I can perform simple tests.
- I can identify and classify.
- I can use my observations and ideas to suggest answers to questions.
- I can gather and record data to help in answering questions.

Small Steps

1. What do I already know about materials and their properties?
2. Can I identify and name a variety of everyday materials?
3. How can I change the shape of different objects?
4. Which materials are most suited to the job?
5. Which material will protect an egg the best when it is dropped?
6. Which is the best material to make a tyre? End of unit quiz.

Forever Facts

Different materials have different properties.

Hard – It doesn't break or change shape easily.

Soft – Easy to press or change shape.

Stretchy – Can be pulled to become longer.

Bendy / Flexible – Can bend without breaking.

Stiff – Does not bend easily.

Rough – Feels bumpy or scratchy.

Smooth – Feels flat and even.

You can change the shape of materials by applying a force such as:
twist
pull
push
bend
stretch
squeeze
roll

Different types of materials include: plastic, metal, glass, wood, fabric, paper

Different materials are suitable for different things e.g. glass is transparent, so it is good for making windows