

What can you use different materials for?

Materials Y2

Key scientist – John McAdam

John McAdam invented a new way to build roads using small stones, which made them smoother and safer for people to travel on.

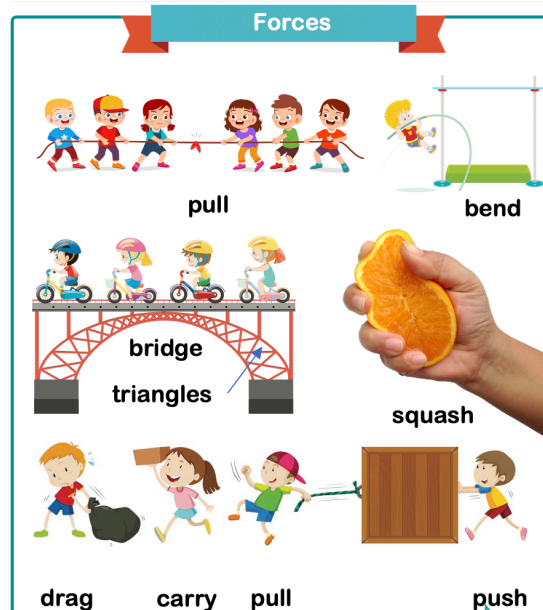


Key vocabulary

construction	The process of building something.
force	A pressure applied to something that makes it change shape or move.
material	Anything that is used to make something else.
property	The way in which a material is described.
stretchy	Something that can pull apart without breaking.
structure	A building or an object.

Key learning

- identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, 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.



Working scientifically concepts

- Observing and Measuring
- Scientific enquiry



Materials – Our Learning Journey

Year 1

- Identify materials and their properties

Year 2

- Compare suitability of materials to their uses and the impact of changing their shape.

Year 3

- Compare rocks and soil and describe fossil formation

Year 4

- Observe and measure changes of state

Year 5

- Reversible and irreversible changes



Ethics

How can we use different materials to be more sustainable?

