

Careers linked to this topic
 Materials Engineer, Road
 Designer, Road Engineer

Uses of everyday materials



What are materials used for and why?

Lesson 1 Identify materials and their uses.

What are the properties of everyday materials?

TAPS – Record: Materials Hunt
 Brick, material, suitable, object, property

Lesson 2 Understand how to select the correct materials to build a bridge.

Why are some materials stronger than others?

Bridge, structure, obstacle, triangle, construction

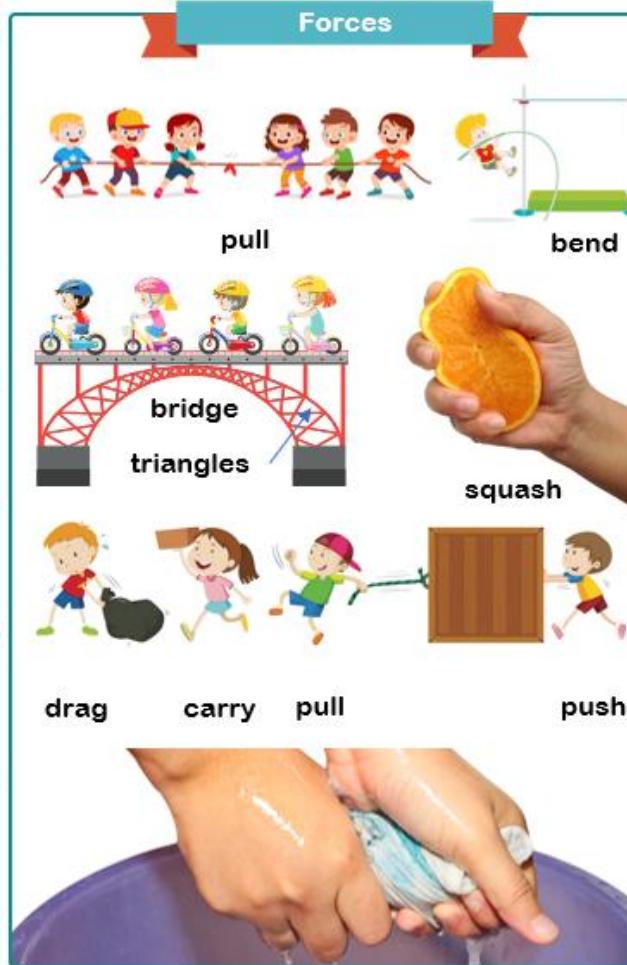
Lesson 3 Explore and test the stretchiness of materials

How and why does stretching affect different objects?

Hinder, stretchy, elastic, floppy, limit

Materials	
material	uses
wood	window frames, furniture, buildings, floors
metal	furniture, buildings, statues, pipes, jewellery
plastic	containers, toys, bags, pipes
brick	walls, floors
rock	roads, garden paths, floors, kitchen tops
paper	toilet roll, writing paper, newspaper, cardboard
glass	drinking glasses, windowpanes, television screens

Year 2
Autumn 1



Lesson 4 Understand that materials can change their shape by squashing, bending, stretching or twisting.

How do objects change when they are squashed, bent, stretched or twisted?

Force, twist, bend, stretch, squash

Lesson 5 Learn about Charles Mackintosh and how materials are used for different purposes.

Which properties make a material suitable for a particular purpose?

TAPS – Ask Qs + plan enquiry:
 Waterproof
 Waterproof, fluorescent, protective, safety, mackintosh

Lesson 6 Discover which materials change shape when making a road with John McAdam

Why do we melt some materials?

Bound, highway, merchant, road, John McAdam