KS1 Thinking like a Scientist

Uses of Everyday Materials

Learning Questions

How do the properties of materials determine their uses?

Which material is most suitable for building a strong bridge?

How can we compare the flexibility and strength of different materials?

How can the shape of materials be changed?

How did Charles Macintosh use material properties to create a waterproof fabric?

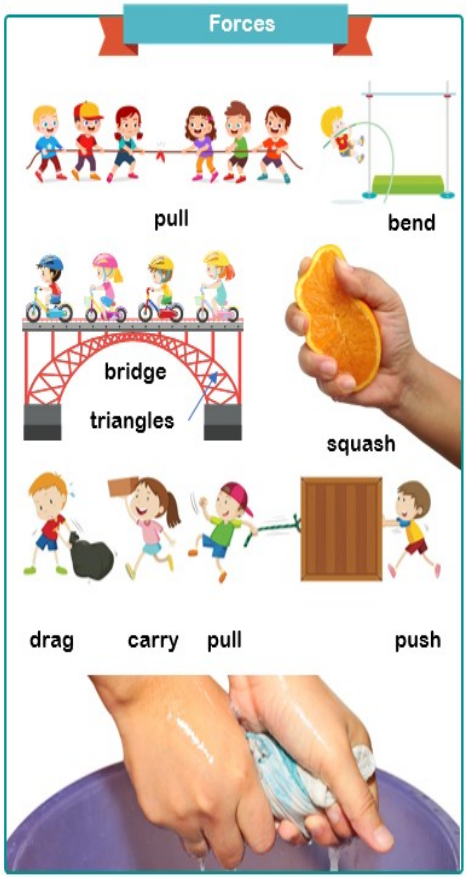
Why do some materials change shape more easily than others?

Key Knowledge:

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

Forces



Vocabulary

material	anything that is used to make something else
property	the way in which a material is described
obstacle	something that blocks the way
construction	the process of building something
stretchy	something that can pull apart without breaking; elastic
elastic	something that can pull apart without breaking; stretchy
force	a pressure applied to something that makes it change shape or move
bend	to shape or force something into a curved shape