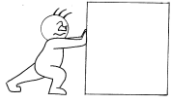




Key Vocabulary

push to exert force to move something away from you



pull to exert a force to move something towards you



force something that causes an object to move, change direction or stay still

friction the force between two surfaces rubbing together

movement changing place or position

exert put effort into something

Physics

Science Y2: Forces

Key Diagrams and Knowledge

To recognise that I can make some items move by force.

To identify whether one is pushing or pulling.

To understand that the amount of energy one exerts, affects the amount of movement that will occur.

To recognise that friction is two surfaces rubbing against each other.

Noticing Patterns

Force - 'The harder I push / pull, the more it moves.'

'The softer I push / pull, the less it moves.'

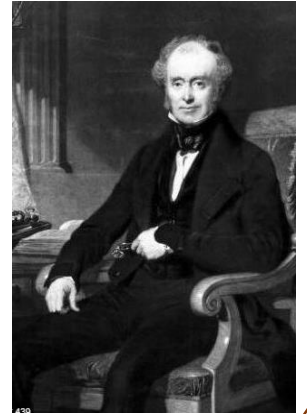
Friction - 'The smoother the surface, the further the car goes.'

'The rougher the surface, the less far the car goes.'

Scientists

John Walker (1781-1859)

An English inventor who invented the friction match.



Links to prior learning and next steps:

The world – (EYFS)

Materials – science (Y1 and Y2)

Forces – science (Y4)

Links to other subjects:

Handwriting warm ups (EYFS onwards)

Maths (Venn diagrams)– (Y2)

PE, gymnastics and dance – (Y2)