

Forces

Year 3

The Iron Man has fallen in to a pit. We need to use our scientific knowledge and DT skills to think of a way to rescue him.

Key Facts

Friction is the force that stops or slows a moving object.

Magnetism is the force that occurs when a magnet pulls a metal, or another magnet, towards itself.

Magnets have two poles (north and south).

Steel is a mixture of metals. It is magnetic because it contains iron.

The Earth is a giant magnet.

Recommended Websites

<https://www.bbc.co.uk/bitesize/topics/znmmn39>

BBC Bitesize shows you lots of videos about different forces.

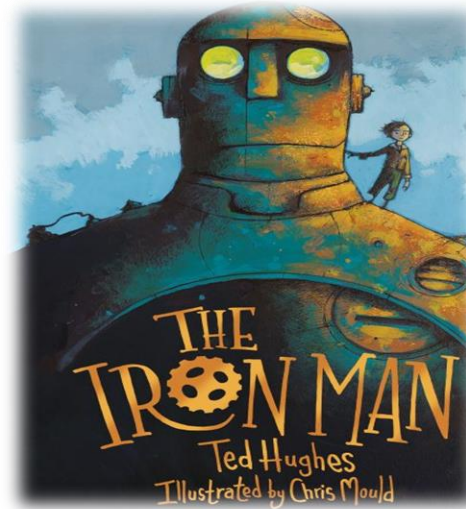
<https://www.youtube.com/watch?v=Eu-5QRYjPQk>

Watch 'Bill Nye the Science Guy' explain forces.

Prior Learning

You will be using your knowledge of levers, linkages and pulleys to help you design a magnetic machine.

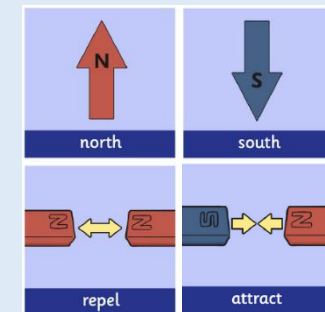
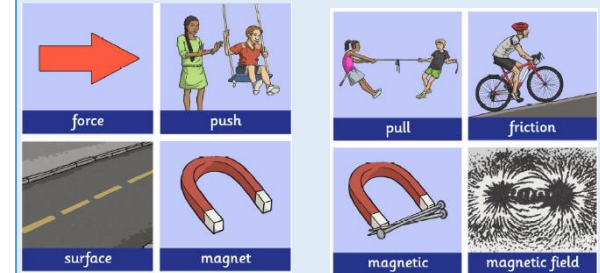
You have already grouped materials in year 2 based on different properties. Now, we are going to group them based on whether they are magnetic or non-magnetic.



Taller than a house, the Iron Man stood at the top of the cliff, on the very brink, in the darkness...

Get ready to be immersed in Ted Hughes' beloved tale.

Key Vocabulary



Things to do at home

Can you...

- Find some magnetic materials in your home?
- Explore which of your shoes have the best friction?
- Create a game that includes pushes and pulls?