



Forces & Magnets

Year 3

Think deeply about...

How does a force work?

What are Sir Isaac Newtons 3 laws of motion?

Over 4000 years ago the Greek shephard Magnes discovered magnetite, how?

How do humans, bees, birds and other animals use the Earths magnetic field?

Learn...

How to work scientifically, exploring how forces with and without direct contact.

How to set up and conduct comparative fair tests, record measurements and evaluate results.

How magnets attract or repel each other and attract some materials and not others.

To develop scientific method and thinking, using curiosity to generate questions.

To answer questions by sorting and testing items.

How magnets behave towards each other and form theories to explain this.

Use...

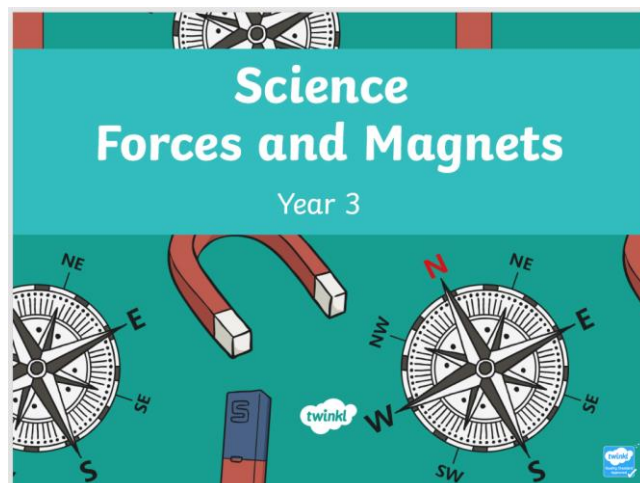
Vocabulary

Force, push, pushes, pull, pulls,

contact, magnet, magnetism,

Magnetic, non-magnetic, attract, attraction, theory

repel, attraction, repulsion, poles, north, south



Explore...

Discovering magnetite : <https://www.youtube.com/watch?v=YNZEBDFv3YU>

Earths magnetic field: <http://www.economist.com/news/science-and-technology/21581697-birds-can-navigate-earths-magnetic-field-how-they-do-it-still>).