



Year 3: Are you attractive enough?



- Sci1 Can I hold an experiment to compare how objects move on different surfaces and with different amounts of force?
- Sci2 Can I explain that some forces need contact between two forces but magnetic forces can act at a distance?
- Sci3 Can I investigate and explain how magnets attract and repel and explore magnetic materials?
Can I create a magnetic game using magnetic attraction?
- Sci4 Can I explain that Earth is a very big magnet?
- Sci5 Can I explore and compare the strengths of different magnets?
- Sci6 Can I explore the behaviour and everyday usage of different magnets?
- Sci7

Hook for Learning:

- Explore with a number of magnets to investigate attracting and repelling
- Predict whether two magnets will attract or repel each other
- Make a magnetic game

We learn the following vocabulary...

Magnet, force, friction, attract, repel, measure, gravity, magnetic field, energy, movement, push, pull, resistance, opposite, equal, magnetic poles,

Non-Negotiables

- Record results using tables and charts
- Use time adverbs in writing to give instructions

We learn the following Design knowledge and skills...

- Design, make and evaluate a magnetic game

We learn the following computing knowledge and skills...

- Use the internet to research different kinds of forces

We learn the following writing knowledge and skills...

Write instructions to play your magnetic game

We learn the following mathematical knowledge and skills...

Create tables and bar charts to record results

We learn the following scientific knowledge and skills...

- Compare how things move on different surfaces
- Notice that some forces need contact between two objects but magnetic forces can act at a distance
- Observe how magnets attract or repel each other and attract some materials and not others
- Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet and identify some magnetic materials
- Describe magnets as having two poles
- Predict whether two magnets will attract or repel each other depending on which poles are facing