

My steps through learning:

What I will know and understand

How I will show that I know it

Science - Magnets and Forces

Steps through Learning



Lesson 5

To know some ways in which magnets can be used

I can conduct an investigation to test the strength of magnets



Lesson 4

To know some magnetic materials

I can test a variety of materials and identify whether they are magnetic or not



Lesson 3

To know the different forces a magnetic field can exert

I can explain what happens when the poles of two magnets are placed close together



Lesson 2

To know that the texture of a surface affects how things move across them

I can conduct an experiment to test how fast a toy car travels across different surfaces



Lesson 1

To know that some forces need contact between two objects

I can describe how forces create movement in different situations



National Curriculum:

- 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

What should I already know

- Show an understanding of push and pull
- Show an awareness of how to conduct a fair investigation or experiment