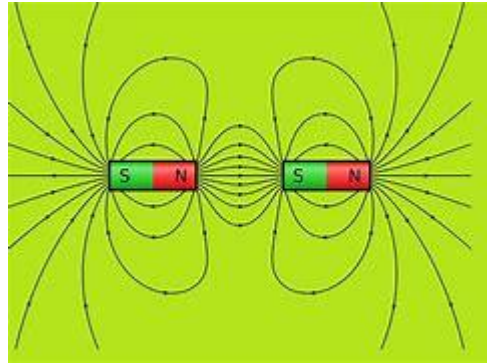


Y3 Science – Forces and Magnets

Knowledge

- I can predict whether two magnets will attract or repel each other, depending on which poles are facing.
- I can describe magnets as having two poles.
- I know that some materials are magnetic but others are not and can group them this way.
- I know that some forces need contact between two objects, but that magnetic forces can act at a distance.
- I can observe how magnets attract or repel each other and attract some materials and not others (SC1).
- I can compare how things move on different surfaces.



Cross-Curricular links/Past knowledge

Year 1: identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock describe the simple physical properties of a variety of everyday materials
compare and group together a variety of everyday materials on the basis of their simple physical properties

Year 2: identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses

Vocab

Friction, push, pull, gravity, reaction, opposing, mass, classify, identify, repel, attract, North, South, magnetic poles, force.

Working Scientifically

I am beginning to provide explanations for simple patterns in results. (Jigsaw 11)

In a fair test, I can identify what to keep the same. I am beginning to plan main steps in other types of enquiry. (Jigsaw 3)

I can sometimes predict outcomes of enquiries. (Jigsaw 4)

I can make relevant observations. I can use standard measuring equipment for quantities such as temperature & volume. (Jigsaw 7)

I can sometimes create my own tables & bar charts to collect results. (Jigsaw 8)