Fernhurst Primary School

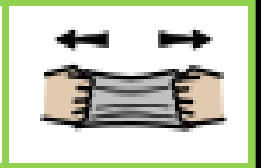
Explore Curriculum: Forces - Magnets

Remember-Know - Explore

Let's Remember

Squashing, bending, twisting and stretching can change the shapes of solid objects made from some everyday materials.



The properties of materials make them suitable or unsuitable for particular purposes.

I Need to Know that...

Objects move differently on a range of surfaces.



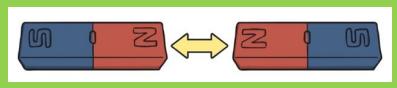
Some forces need contact between objects but magnetic forces can act at a distance without making contact.


Magnets attract or repel each other and attract some materials and not others.

Objects can be grouped together in a variety of everyday materials on the basis of whether they are attracted to a magnet.

Not all metals are magnetic.

Magnets have two poles.



Two magnets will attract or repel each other, depending on which poles are facing each other.

With these skills you could be a...

Physicist: a person who works with particles and atoms and how they behave. They also deal with the largest things we know of - stars, planets, and the universe.

Glossary

attract: a pulling force.

force: the pushing and pulling effect.

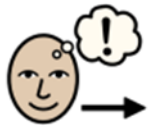
friction: a force between two surfaces that are sliding, or trying to slide, across each other.

magnet: a rock or a piece of metal that can pull certain types of metal toward itself.

magnetic field: the area around a magnet where magnetic forces work.

pole: the area where the external magnetic field is the strongest.

repel: the force of one object pushing another object away from it.



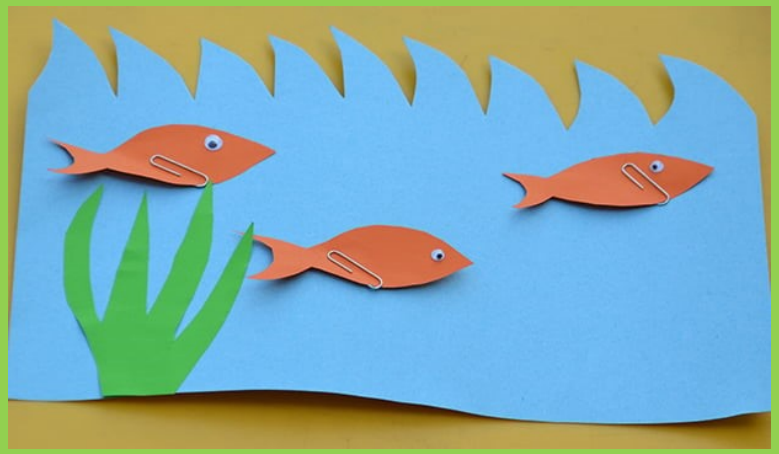
Year 3 Science

Autumn 2

Let's Explore

Make your own magnetic maze. Bring it in for us all to enjoy!

Hunt your home to see what is magnetic and what is not. Create your own sorting circles and add your items in.



Design your own interactive picture. Use paperclips to make different features move.