

KEY VOCABULARY

Push - to move something by applying a force.
Pull - to move something by applying a force.
Balanced forces - equal forces creating no movement.
Gravity - the downward force generated by the Earth.
Friction - the force between two surfaces.
Magnetic - something that attracts metal.
North and South pole - the two ends of a magnet. North pole is usually coloured red.
Repel - when two same poles 'push' away from each other.
Attract - when North and South pole pull together.
Metal - a solid material which is typically hard and shiny.
Lubricant - a substance such as oil or grease that reduces friction when applied to moving parts.

You might like to...

- Investigate which metals are magnetic and which are not.
- Discover further uses for magnets in everyday life. i.e. fridges.
- Investigate what happens if there is too much or too little friction

KEY FACTS

Friction can generate static electricity.

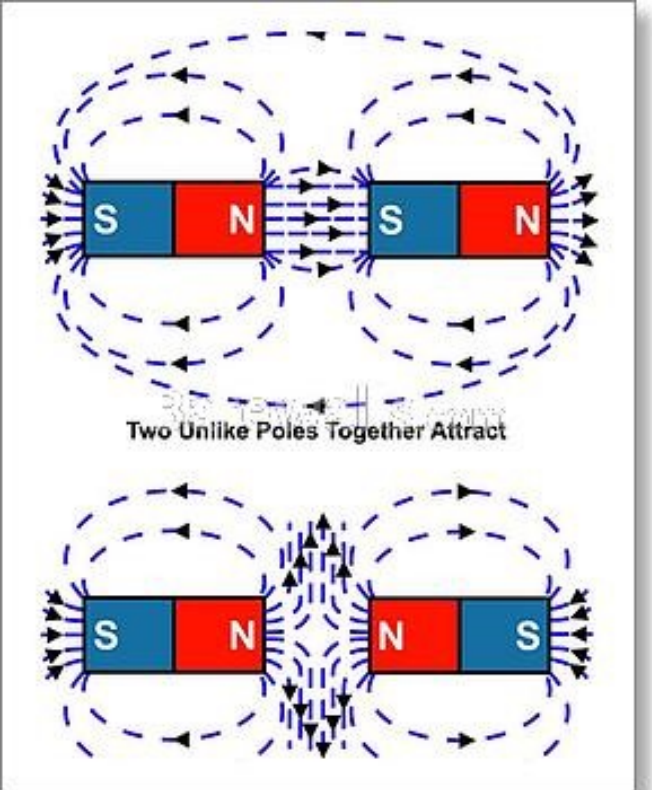
Friction is used a lot in water parks so we can slide smoothly and fast down giant slides.

Friction can cause static electricity. Try rubbing a blown up balloon on your head, what happens?

Magnets always have two poles, even if you cut them in half.

The Earth is like one big bar magnet. It has a magnetic North and magnetic South pole. This is what the needle on a compass points to.

Diagram/Timeline



Further Reading

<https://www.coolkidfacts.com/magnetism-facts-for-kids/>

QUESTIONS TO DEEPEN YOUR LEARNING

Character	Critical Thinking	Creativity	Communication	Citizenship	Collaboration
Which parts of this do I need to try harder to understand?	Why do I need to know about this?	What am I curious about?	How could I present what I understand?	How could this information help people?	What can I learn from others about this?