



WHAT SHOULD I ALREADY KNOW?

- No Forces National Curriculum objectives in KS1.
- May have an awareness of how to make things stop and start.

NOTABLE SCIENTIST

WILLIAM GILBERT

Gilbert was the first to propose that the Earth's core contains iron and that that magnets point north because the Earth itself is a giant magnet.

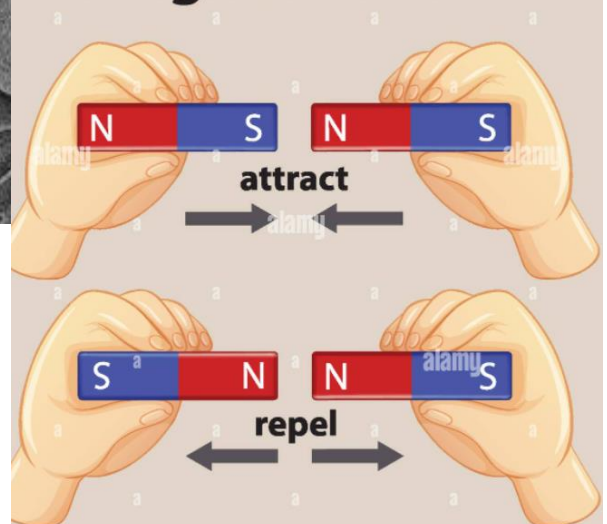


William Gilbert was a respected doctor as was personal physician to Queen Elizabeth the first at the end of her reign.

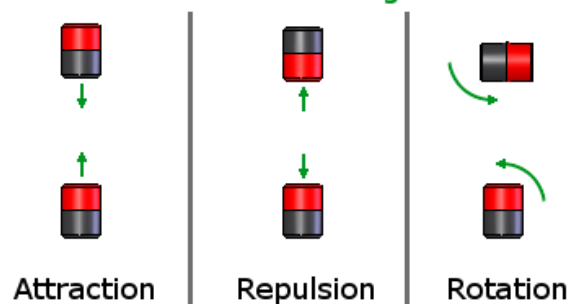
VOCABULARY

Force	A push or a pull upon an object resulting from its interaction with another object.
Friction	Friction is a force between two surfaces that are sliding, or trying to slide, across each other
Magnet	Magnets create pushing or pulling forces on one another.
Magnetic field	The magnetic field is the area surrounding a magnet where the force is acting on another magnet or magnetic material

Magnetic Force



Green Arrows Indicate Magnetic Forces



WEAVING CONCEPTS



STICKY KNOWLEDGE

- Magnets exert attractive and repulsive forces on each other.
- Magnets exert non-contact forces, which work through some materials.
- Magnets exert attractive forces on some materials.
- Magnet forces are affected by magnet strength, object mass, distance from object and object material.

ENQUIRY TYPES

1. Observing changes over time
2. Pattern Seeking
3. Grouping & Classifying
4. Fair Testing
5. Research

