

Things I already know

I can push and pull objects to make them move  
 I have used magnets and investigated what they are attracted to.  
 I know the vocabulary: magnetic, push, pull, metal, stick, attracted, non-metal

Key Facts

1. **What is a Force?** A force is a push or pull that can change the shape, direction, or speed of an object.
2. **What is Magnetism?** Magnetism is a force that can attract or repel certain materials, like iron and steel, even without touching them.
3. **Magnetic Materials:** Iron, steel, nickel, and cobalt.
4. **Non-Magnetic Materials:** Wood, plastic, and most other materials that do not respond to magnetic forces.
5. **Magnetic Poles: North and South Poles:** Every magnet has two poles, called the **north pole** and **south pole**. These are the areas where the magnetic force is strongest.
6. **Like Poles Repel:** Two north poles or two south poles will push away from each other (repel).
7. **Opposite Poles Attract:** A north pole and a south pole will pull toward each other (attract).

Key Vocabulary

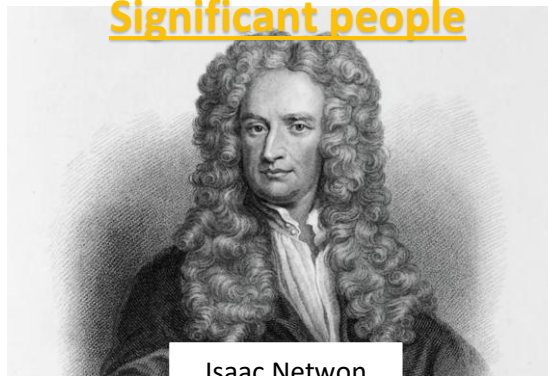
Push, pull, twist, squeeze, springy, attract, repel, magnetic, non-magnetic, attraction, repulsion, poles, horseshoe magnet, bar magnet, ring magnet, button magnet.

FRUITS

**Faith** – Forces and magnets show a guiding hand and intelligent design in the world.  
**Relationships** – our relationships can be seen as a forces in our lives guiding how we move through it.  
**Uniqueness** – objects have unique properties which determine how they respond to forces and magnets.  
**Intellect** - Intellect can also be like the invisible force of a magnet — it's not always seen, but it's always there, shaping the way we understand the world.  
**Treat Others with Respect** - Respect can act as the magnetic force in interactions. Positive, respectful energy attracts others, creating harmony, while a lack of respect repels or creates tension.  
**Salvation** - could be understood as the force that pulls a person out of despair or chaos and into clarity or peace

Questions I can answer

- Is there iron in cereal?
- Is there iron in cereal?
- How can we slow an object down?
- Can I make things move with magnets?
- Is it magnetic or not?
- Are all magnets the same strength?

Significant people

Isaac Newton