



## Endpoints for Science

### Year 3 – Forces and Magnets



Through this topic, we will be learning about non-contact forces, including friction and magnetism.

#### What I know and can explain

Forces cause objects to move, change speed or change shape

Friction is a force between two surfaces as they move across each other

Magnetism is a non-contact force

Magnets have two poles (north and south). Opposite poles (north and south) attract each other; like poles (north and north, or south and south) repel each other

Magnetic materials are attracted to magnets

#### Useful Vocabulary

**Attract/ attraction** - When one object moves towards another object

**Compass** - An instrument used for showing directions

**Force** - A push or a pull

**Friction** - The force between two surfaces as they move across each other

**Magnet** - An object that produces a magnetic field

**Magnetic field** - The area around a magnet where its magnetic force acts

**North pole** - The end of a magnet where magnetic force is strong. The north pole of a magnet is the pole out of which magnetic field lines emerge

**South pole** - The end of a magnet where magnetic force is strong. The south pole of a magnet is the pole into which magnetic field lines enter