

Key Knowledge

Forces

Forces

Forces make things move. Whenever an object starts to move or moves faster, it is a force making this happen.
Forces can also make things stop moving or slow down.

Push or pull

These are types of forces where direct contact is necessary eg opening a door or pushing a swing.

Friction

Friction is a force that holds back the movement of an object. It acts in the opposite direction to the movement of the object.

Magnetic force

Magnetic forces can act at a distance

Magnetic Field

A magnetic field is the area around a magnet that produces a pulling force on certain materials. The magnetic field is invisible, so we cannot see it.

Magnetic materials

These materials are attracted to magnets when they enter its magnetic field.

Non-magnetic materials

These materials are not attracted to magnets when they enter its magnetic field.

Metals that are attracted to magnets

Iron, cobalt and nickel are attracted to magnets.

Key Vocabulary

Spelling

Magnet

An object that produces an area of magnetic force around itself, called a magnetic field.

Different shapes and sizes of magnets

Bar



Button



Wand



Horseshoe



Ring



Poles

The different parts of a magnet are called the poles. There is a north pole and a south pole. A compass always points north-south.

Repel

When two magnets push away from each other.

Attract

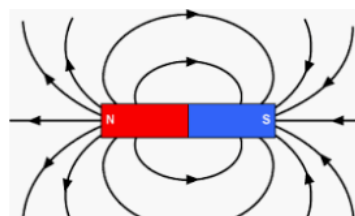
When two magnets move towards each other.

Diagrams and Symbols

Friction



Magnetic Field



Magnetic Poles

