

Key Stage 3 Precise Learning Points



Unit Number

P4

Unit Title

Electricity & Magnetism

Chapter

Magnetic Fields & Electromagnets

Key Scientific Points

1. The area where magnetic forces are experienced is called a magnetic field (e.g. the Earth's magnetic field)
2. Magnetic fields can be plotted using a compass and can be observed using a variety of materials (Ferro fluids iron filings).
3. An electric current moving in a wire produces (induces) a magnetic field.
4. Coiling a current carrying wire around an iron core produces an electromagnet.