

Magnets and magnetism

energy-forces

What you need: bar magnet or fridge magnet (pair expected to differ in strength) · sticky labels or coloured sticky dots (magnet labels A/B) · steel paperclips · mixed test objects (steel nail or screw, aluminium foil square, plastic bottle lid, wooden lolly stick or pencil, rubber eraser, short copper wire, small piece of card) · plain paper sheets (for through-paper strength measure if only one magnet is available) · Investigation Journal pages

Words to use

Magnet · Magnetic · Non-magnetic · Magnet strength

Our question

Which of these everyday materials are magnetic, and which are non-magnetic?

I predict...because...

Sort these words into Change, Measure and Keep the same

the magnet · number of paperclips held in a hanging chain · type and size of paperclips · how the chain is started on the magnet · how each paperclip is added · how we count a successful hang · which end of the magnet we use

Change – the ONE thing we change

Measure – the ONE thing we measure

Keep the same – to make it fair

Our results

What we changed	What we measured

Which materials were magnetic?



Lesson 19

Which looked like metal but were non-magnetic?



What evidence did you use, not just a guess?

