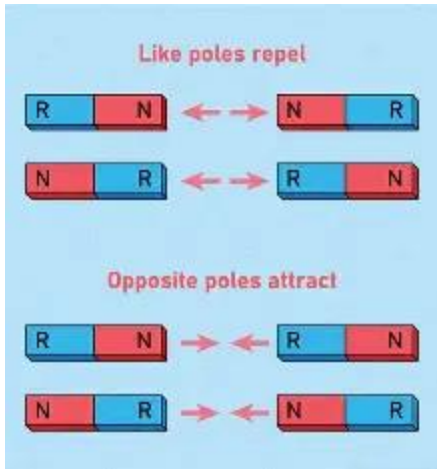
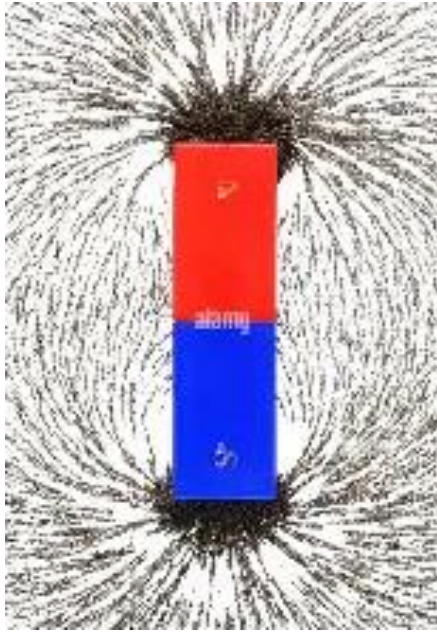


# Science – Magnets Bramley



## Key Knowledge ✓

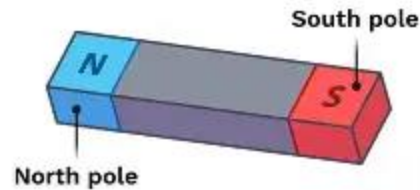
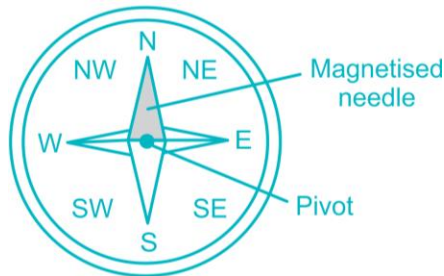
Magnets have **two poles**: north and south.

**Opposite poles attract**; the **same poles repel**.

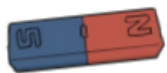
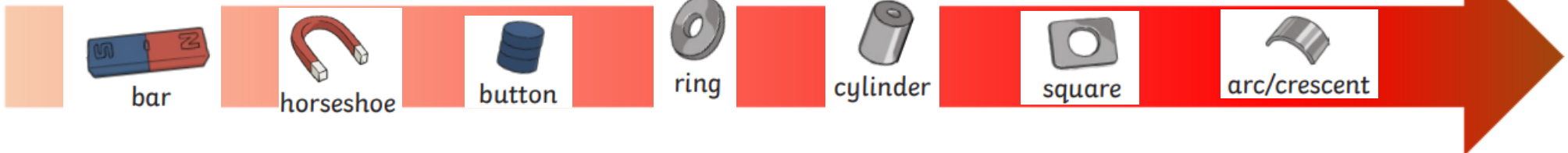
Not all metals are magnetic – **only iron, nickel, cobalt, and steel**.

Magnetic forces are **invisible** but can act **through some materials**.

Earth itself is like a giant magnet, which is why compasses work.



Key Vocabulary		✓
Magnet	an object that can attract certain materials.	
Magnetic	materials that are attracted to a magnet (e.g. iron, nickel, cobalt, steel).	
Poles	the ends of a magnet (North pole, South pole).	
Attract	to pull objects together.	
Repel	to push objects apart.	
Magnetic Field	the invisible area around a magnet where it has an effect.	
Compass	a tool with a magnetised needle that points north.	



bar



horseshoe



button



ring



cylinder



square



arc/crescent