

Science – Forces & Magnets – Do all materials attract to a magnet?

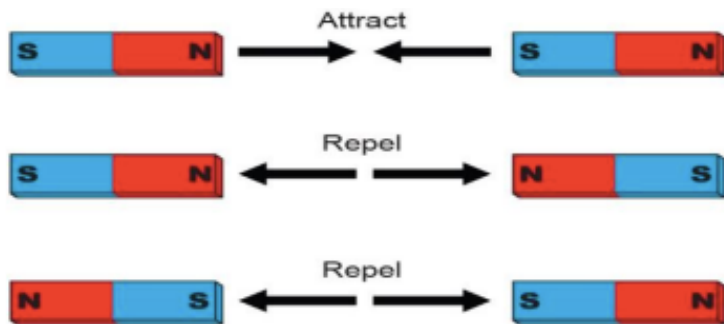
Year 3

Summer 1

Golden Thread: Sustainability

Working together to be the best that we can be

What can forces do to an object?



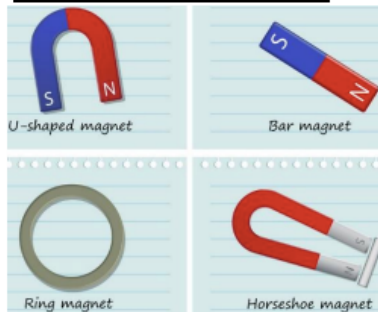
MAGNETS - are objects or materials that produce a magnetic field and attract or repel magnetic objects.

Magnets have 2 poles: north and south.

If you put magnets towards each other:

- 1 south pole and 1 north pole will attract
- 1 south pole and another south pole will repel
- 1 north pole and another north pole will repel

DIFFERENT TYPES OF MAGNETS



Push



Pull

Key Vocabulary

Force	a push, pull, twist or turn.
Friction	the force between 2 moving surfaces.
Magnetism	the force of attraction and repelling caused by a magnet.
Magnet	a material or object that produces a magnetic field, it attracts or repels magnetic objects.
Poles	2 sides of a magnet where the magnetism is strongest.
Attract	to pull towards (opposite of repel)
Repel	To push away (the opposite of attract)

Magnetic ✓



These objects contain iron, nickel or cobalt. Not all metals are magnetic.

Non-magnetic ✗



These objects do not contain iron, nickel or cobalt.