Bomere and the XI Towns Federation Knowledge Organiser—Science

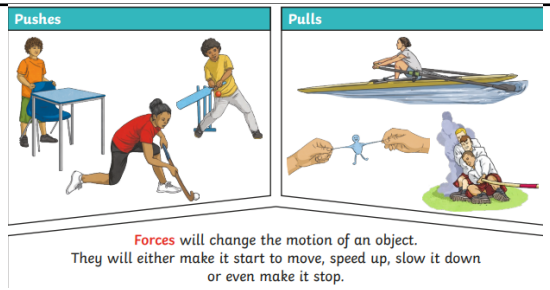
Topic: Science— Magnets and Forces

Class/Year Groups: Year 3

Term: Spring

What you already know?

Pupils may have played with magnets before but have not learned about magnets.



What you will learn:

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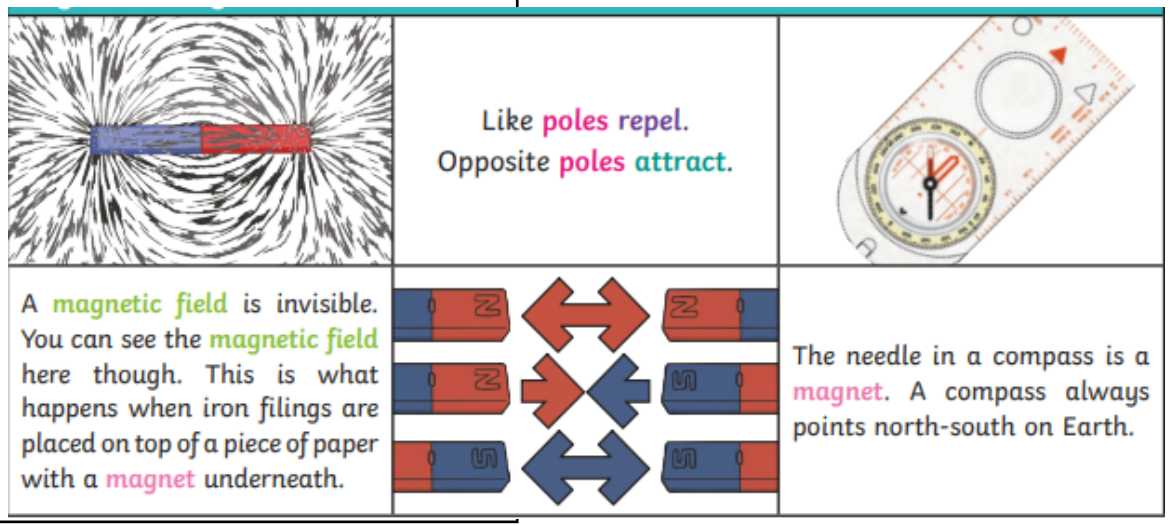

Key vocabulary:

Magnet	An object that produces a magnetic force.
Magnetic	Objects that are attracted towards a Magnet are magnetic. Iron, Nickel and Cobalt are magnetic metals.
Magnetic Fields	The area around the magnet where there is a magnetic force which will pull magnetic objects towards the magnet.
Poles	North and South Poles are found at different ends of a magnet.
Repel	Repulsion is a force that pushes a magnet away.
Attract	Attraction is a force that pulls objects together.
Forces	Pushes or pulls.

National Curriculum Objectives:

- compare how things move on different surfaces
- notice that some forces need contact between two objects, but magnetic forces can act at a distance
- observe how magnets attract or repel each other and attract some materials and not others
- compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials
- describe magnets as having two poles