



St Paul's C of E Primary School – Knowledge Organiser

Name of Topic

Amazing magnets

Year Group

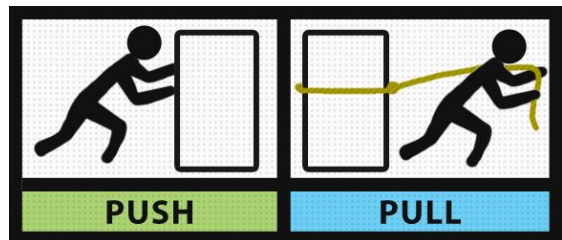
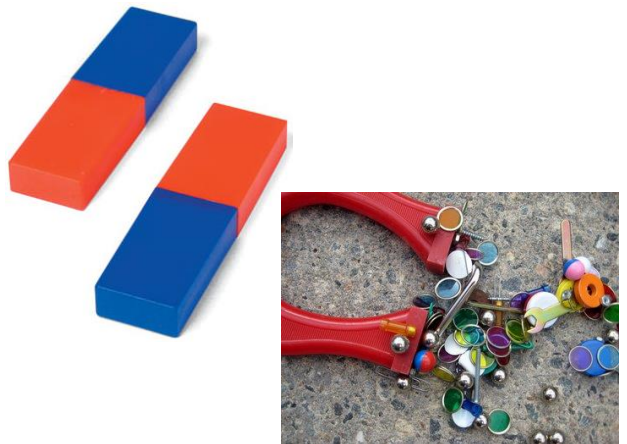
3

Key Vocabulary and Spellings

1	force	A force is an action that changes or maintains the motion of a body or object.
2	push	Moving an object away from something.
3	pull	Moving an object towards you.
4	gravity	Gravity pulls objects toward the centre of Earth.
5	magnetism	Magnetism is the physical property of being magnetic and also refers to the concept of magnetic forces.
6	attract	To pull to or towards.
7	repel	To push away.
8	north pole	The end of a magnet where the magnetic field is strongest.
9	south pole	The end of a magnet where the magnetic field is weaker.
10	repulsion	When a north pole and north pole are brought together or south pole and south pole are brought together, they repel.

Top 5 Topic Facts

1	Not all metals are attracted to magnets; only those containing iron, steel and nickel.
2	Magnets have two poles, a north and a south pole. The pole is where the pull of the magnet is strongest. When opposite poles are near to each other they will attract, whereas when the same poles are near to each other they will repel.
3	Whenever anything moves, changes direction, speeds up, slows down or stops, it is because a force has acted on it.
4	Gravity and magnetism are examples of a force that can act without any contact.
5	Most forces can be described as either pushes or pulls. A good thing to remember is that you pull towards you and push away from you.



Key Investigations/Questions

1	How does force make things move? Why do different surfaces affect force?
2	What is attracting and repelling?
3	Are all coins magnetic?