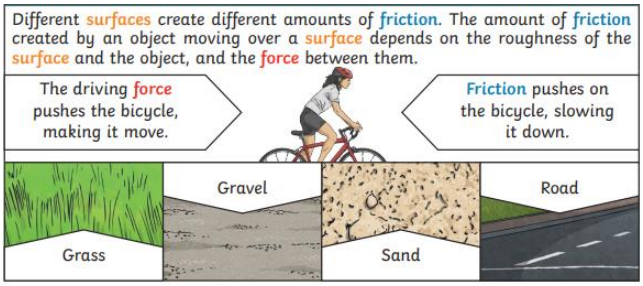
Unit:	Forces and Magnets	Year:	3	Term:	Autumn 2

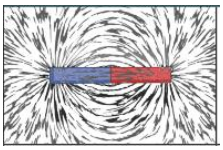
St Matthias CE Primary School Knowledge Organiser

Key Knowledge

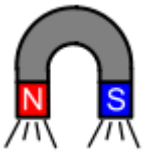
Things move differently on different surfaces.



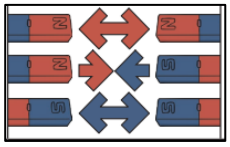
Some forces need contact between two objects, but magnetic forces can act at a distance.



Magnets have two poles – a north and a south pole.



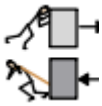
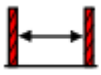
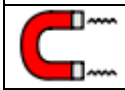
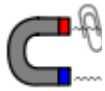
Magnets attract or repel each other and attract some materials and not others. Same poles repel and opposite poles attract.



Useful websites:

BBC Bitesize: Magnets
https://www.bbc.co.uk/bitesize/topics/zyttyrd
BBC Bitesize: Friction
https://www.bbc.co.uk/bitesize/topics/zsxxsbk
BBC Bitesize: Forces
https://www.bbc.co.uk/bitesize/topics/zvpp34j
Oak National Academy – Magnets and Forces
https://classroom.thenational.academy/units/magnetism-084a

Key Vocabulary

	**move** – change position or go to a different place
	**movement** – changing place or position
	**forces** – a pushing or pulling effect that something has on something else
	**friction** – makes it difficult for things to move freely when they are touching each other
	**surface** – the outside of an object
	**push** – use force to make something move away
	**pull** – use force to move something towards you
	**contact** – touching each other
	**distance** – the amount of space between two things
	**magnet** – a metal that attracts or repels other materials
	**magnetic** – acts like a magnet
	**attract** – a force causes an object to move towards it
	**repel** – a force causes an object to move away from it
	**poles** – the North and South poles are at opposite ends of the earth
	**north** - the direction on your left when you look towards the direction where the sun rises
	**south** - the direction on your right when you are looking towards the direction where the sun rises
	**compass** – an instrument for finding directions, its needle always points north