Key vocabulary		
force	A force is a push or a pull.	
magnetic	An invisible force that attracts	
force	magnetic metals.	
magnet	Magnets attract magnetic	
	materials. Iron, nickel, cobalt	
	and materials that contain these	
	(e.g. stainless steel) are	
	magnetic.	
attract	To pull towards.	
repel	To push away.	
poles	Magnets have two poles, a north	
	pole and a south pole.	
contact force	Many forces need contact to act:	
non-contact	Magnetic force does not need	
force	contact and can act at a	
	distance.	

Objects moving on surfaces:



Ice skates have a sharp blade. This helps them move better on ice.

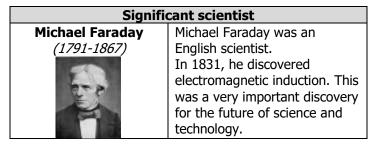


It is much harder to walk on ice in trainers.

A bowling green is closely mown so the grass is shortand the balls roll easily.

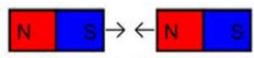


Year 3 Autumn Forces and Magnets

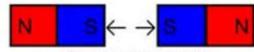


Types of magnets:		
Bar	Ring	
	0	
Button	Horseshoe	
•••		

Magnets have two poles



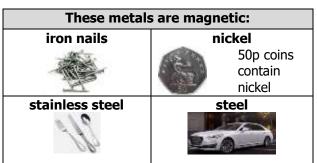
Opposite poles attract



Same poles repel

A magnet attracts magnetic materials.





We can sort and classify materials as:





A magnet does not need to touch an object to attract it