Subject: Science	Years: 3 & 4		Area: Forces
What should I already know?	What skills will I learn?		Vocabulary
 Experience working scientifically 	 I will develop my skills to work scientifically 	Forces	An interaction that will change the motion of an object
 How to ask relevant scientific questions Experience of 	 I will participate in investigations to improve science understanding 	Magnet	A piece of metal that is magnetised to attract magnetic objects
investigations to explore answers to scientific questions	 I will compare how objects move on different surfaces Observe how different 	Poles	The area at each end of the magnet where the magnetism is strongest
Forces and Magnets: - Children have some understanding of	forces act upon objectsUnderstand the names of different forces	Attract/repel	The force of being brought closer or pushed further away by a magnet
materials and their textures, including how	 Observe how some magnets attract, repel and work on 	Gravity	The force that pulls objects towards the centre of the earth
this may affect Friction and resistance - Children will have real	certain materials - Understand that magnets have two poles	Air/water resistance	The force of air or water acting as a push force against an object as it travels through the air/water
world experiences of forces that they can use to relate to their	 Predict whether a magnet will repel or attract 	Friction	The force created as an object moves over another object
knowledge and		ResourcesICT links – Use of swiggle for research/ BBC Teach for class clipsMaterials/ Cars – Variety of surfaces and materials used for investigationLiterature – A variety of books available for children to use in further research	
investigations - Children have experience with magnets and are aware			
of their use	By the end of KS2		
	 To plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. Use test results to make predictions to set up further comparative and fair tests. Report and present findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations 		