



Aspect	EYFS	KS1		Lower KS2		Upper KS2	
	Reception	Y1	Y2	Y3	Y4	Y5	Y6
<b>Identifying and naming</b>				Name a range of familiar daily activities which rely upon or are caused by forces and magnets.		Identify and define the opposing forces that act upon objects moving through air, water or along a surface.	
<b>Physical processes</b>				Describe forces in action (pulling and pushing) whether the force requires direct contact between objects or whether the force can act at distance (magnetic force).		Describe the force of gravity, what causes it and how the force of gravity changes (e.g. if we were standing on a different planet). Use study skills to research the work of scientists such as Galileo and Newton.	
<b>Phenomena</b>				Explain the terms 'magnetic attraction' and 'repulsion' and 'magnetic poles', using a model for assistance.		Demonstrate, using a model how simple levers, gears and pulleys assist the movement of objects using less force.	
<b>Testing</b>				Make predictions, explaining thinking then test a range of magnets for their strength and polarity.		Make predictions, supported by scientific reasoning to test the effects of friction on movement and distance travelled.	
<b>Comparing</b>				Compare how an object moves over surfaces made from f=different materials, making predictions and measuring the distance travelled.		Compare the speed with which objects of different shapes and surface area fall through air or water, and explain the reason for any differences in terms of the forces acting on the objects.	
<b>Classification</b>				Sort and group materials into those that are magnetic and those that are not and identify patterns within the groups.		Classify and group forces based on their actions or whether they act directly, or at distance.	