

## Holy Family Catholic Primary School Cronton



Unit: The power of forces	Theme: Forces	and magnets
What I will know by the end of the unit:	Vocabulary	
I can compare how things move on different surfaces.	Attract	If one object attracts another object, it causes the second object to move towards it.
twisted, bent and squashed. I Know how different toys move. I know what a force is and I can explain that a push and pull are types of forces. Fact file Different surfaces affect the motion of an object? Forces act in opposite directions to each other. When an object moves across a surface, friction acts as an opposite force. Friction is a force that holds back the motion of an object. Some surfaces create more friction than others which means that objects move across them slower. Wood floor Grous Wood floor Grous Grous Bardy. Grous Grous Grous Bardy. Objects move differently depending on the surface of the object itself and the surface of the ramp.	Forces	The pulling or pushing effect that something has or something else.
	Friction	The resistance of motion when there is contact between two surfaces.
	Magnet	A piece of iron or other material which attracts magnetic materials towards it.
	Magnetic field	An area around a magnet, or something functioning as a magnet, in which the magnet's power to attract things is felt.
	Poles	The North and South ends on a magnet.
	Pull	When you pull something, you hold it firmly and use force in order to move it towards you or away from its previous position.
	Push	When you push something, you use force to make it move away from you or away from its previous position.
	Repel	If one object repels another object, it causes the second object to move away from it.
	Surface	The flat top part of something or the outside of it.
	Magnetic poles	
	What I will know by the end of the unit:I can compare how things move on differentsurfaces.I notice that some forces need contactbetween two objects, but magnetic forces canact at a distance.I can observe how magnets attract or repeleach other and attract some materials and notothers.I can compare and group together a variety ofeveryday materials on the basis of whetherthey are attracted to a magnet, and identifysome magnetic materials.I can predict whether two magnets will attractor repel each other, depending on which polesare facing.Key ScientistMary Somerville (1780-1872)was fascinated by magnets andcarried out lots of experimentswith them. She was also one ofthe first popular Science writers- selling many books in herlifetime. She was the first woman to be elected	What I will know by the end of the unit:VocabularyI can compare how things move on differentAttractsurfaces.I notice that some forces need contactForcesI notice that some forces need contactForcesbetween two objects, but magnetic forces canact at a distance.FrictionI can observe how magnets attract or repeleach other and attract some materials and notMagnetothers.I can compare and group together a variety ofMagnetic fieldI can compare and group together a variety ofeveryday materials on the basis of whetherMagnetic fieldthey are attracted to a magnet, and identifyPolesPolesI can predict whether two magnets will attractPullPullor repel each other, depending on which polesPullRepelare facing.Key ScientistRepelSurfaceMary Somerville (1780-1872)SurfaceSurfacewas fascinated by magnets andcarried out lots of experimentsSurfacewith them. She was also one ofthe first popular Science writersSurface- selling many books in herlifetime. She was the first woman to be electedMagnetic poles