

Newton Tony Primary School CE VC
Science key skills and knowledge

Forces

Year 3	I know that some forces are a result of contact between two surfaces, but some forces like magnetism can act at a distance
	I know that friction is a contact force that acts between two surfaces to slow an object down.
	I know that magnetism is a non-contact force that affects objects containing magnetic metal.
	I know that rougher surfaces have more friction between them than smoother surfaces.
Year 5	I know that gravity is a non-contact force that pulls objects together.
	I know that when forces are imbalanced, the speed, shape or direction of an object changes.
	I know that when forces are balanced the speed, shape or direction of an object stays the same.
	I know that friction, air resistance and water resistance act in the opposite direction to a moving object.