



Hovingham & St Hilda's CE (VC)

Primary Schools Federation

Where Everyone Grows!



KS2 Science objectives and key vocabulary

Year B	Forces
LKS2	<p>Compare how things move on different surfaces</p> <p>Notice that some forces need contact between two objects, but magnetic forces can act at a distance</p> <p>Observe how magnets attract or repel each other and attract some materials and not others</p> <p>Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials</p> <p>Describe magnets as having two poles</p> <p>Predict whether two magnets will attract or repel each other, depending on which poles are facing</p>
UKS2	<p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p> <p>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces</p> <p>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect</p>
LKS2 Vocabulary	<p>Force, push/pushing, pull/pulling, contact force, non contact force, magnetic force, magnet, strength, bar magnet, horseshoe magnet,</p> <p>attract, repel, magnetic material, metal, iron, steel, non magnetic material, poles, north pole, south pole</p>
UKS2 Vocabulary	<p>Fall, Earth, gravity, weight, mass, Newtons, force meter, air resistance, water resistance, friction, moving surfaces, mechanisms, levers, pulleys, gears, force</p>