

Happy Children, Happy School, Learning Together, Growing Together



## Science~ Y5

	Sticky Knowledge:		Key Vocabulary	
Talk to your child about what they have	<ul> <li>Explain that unsupported objects fall towards the Earth because of the force of gravity .</li> <li>Identify the effects of air resistance, water resistance and friction.</li> <li>recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</li> </ul>		Word	Definition
			force	physical strength or energy accompanying action or movement
			friction	the force which acts to oppose the movement of two touching surfaces over each other
	Prior Learning	<ul> <li>knowledge on the nature of forces in-cluding: balanced, imbalanced, deforming forces and the ability to measure and record forces. All taught as part of the Physics curriculum.</li> <li>knowledge on the nature of forces in-cluding: balanced, imbalanced, deforming forces and the ability to measure and record forces. All taught as part of the Physics curriculum.</li> </ul>	air resistance	friction between air and another material
			upthrust	force that pushes things upwards
	Y1—Understand how applying force can alter an object (squashing/ twisting etc) Y3— how do ob- jects move in rela- tion to each other and how many need to be in con- tact to do so.		water resistance	friction that slows things down through water
			gravity	force that attracts a body towards the centre of the earth or towards any other physical body
			lever	a simple mechanism that uses a bar to pivot around a fixed point called a fulcrum.
			fulcrum	the point on which a lever turns or is supported
	<u> </u>		load	a weight or source of pressure