

<b>Science Knowledge Organiser</b>		
<b>Year 5 (2019-20) - Term 1</b>		
<b>Topic:</b>	<b>Forces</b>	

<b>What I will know by the end of the unit :</b>		<b>New vocabulary:</b>	
<p>I have explained that unsupported objects fall towards the Earth because of the force of gravity. I will have described how air resistance slows objects down as they fall back to the Earth. I will have applied my knowledge of air resistance. I will have recognised that levers can be used to reduce the force needed to lift a load.</p>		<b>Terminal Velocity</b>	
		<b>Effort</b>	
		<b>Pulleys, Levers and Mechanisms</b>	
<b>Skills/Working Scientifically:</b>		<b>Key words/phrases we will use:</b>	
<ul style="list-style-type: none"> <li>explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</li> <li>identify the effects of air resistance, water resistance and friction, that act between moving surfaces</li> <li>recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</li> <li><b>pulley investigation linked to using and exploring within the outdoor environment.</b></li> </ul>		fall gravity force air resistance water resistance friction moving surfaces	mechanisms levers pulleys gears magnetic force magnet attract
<b>Links to previous learning:</b>	<b>Year 1 Materials, Year 3 Forces and Magnets</b>		