

Subject: Science	Year group: Year 3	Topic: Forces and Magnets	Initiation & activation activities:
Prior knowledge required: <ul style="list-style-type: none"> <li>• No prior knowledge on forces in KS1.</li> <li>• Materials:             <ul style="list-style-type: none"> <li>• identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</li> <li>• find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul> </li> </ul>		Vocabulary:	
Programme of Study	Implementation:	Impact –lesson sequence	Evaluations and assessments
Pupils should be taught to: <ul style="list-style-type: none"> <li>• compare how things move on different surfaces</li> <li>• notice that some forces need contact between two objects, but magnetic forces can act at a distance</li> <li>• observe how magnets attract or repel each other and attract some materials and not others</li> <li>• 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</li> <li>• describe magnets as having two poles</li> <li>• predict whether two magnets will attract or repel each other, depending on which poles are facing.</li> </ul>	<ul style="list-style-type: none"> <li>Can they compare how things move on different surfaces?</li> <li>Can they observe that magnetic forces can be transmitted without direct contact?</li> <li>Can they observe how some magnets attract or repel each other?</li> <li>Can they classify which materials are attracted to magnets and which are not?</li> <li>Can they notice that some forces need contact between two objects, but magnetic forces can act at a distance?</li> <li>Can they compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet?</li> <li>Can they identify some magnetic materials?</li> <li>Can they describe magnets have having two poles (N &amp; S)?</li> <li>Can they predict whether two magnets will attract or repel each other depending on which poles are facing?</li> <li>GD - Can they investigate the strengths of different magnets and find fair ways to compare them?</li> </ul>		