



St Paul's Church of England Primary School



"Don't let anyone look down on you because you are young but set an example for the believers in speech; in conduct; in love; in faith
and in purity."
(1 Timothy 4:12)

Subject: Science		Year group: 3 Term: Spring 2		Title: The Iron Man - Physics					
What should I know? - That some objects are attracted to magnets and others are not - That there are different types of magnets 		Facts I will learn ... - That objects move differently on surfaces - How magnets can attract or repel each other - Which type of materials are attracted to magnets and which are not - How to group objects based on whether they are magnetic or not - That magnets have 2 poles - How to make predictions about whether magnets will attract or repel		Key questions ... - What materials are attracted to magnets? - When and where are magnets useful? - How strong are magnets? - Are all magnets the same strength? - Will a magnet attract plastic covered paperclips? - How can we make objects move? - How can we stop things moving? - Do different surfaces make a difference? - What if we could only push and not pull?					
Key Skills... - Identifying the types of materials that are magnetic - Comparing the strengths of magnets - Making predictions based on known facts - To explain how different surfaces affect		Experiences that school will provide: A visit to the experiment lab at UCLAN Preston.		Key vocab and definition <table><tr><td>Attract</td><td>To pull to or draw towards something.</td></tr><tr><td>Repel</td><td>To push back or away from</td></tr></table>		Attract	To pull to or draw towards something.	Repel	To push back or away from
Attract	To pull to or draw towards something.								
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forces



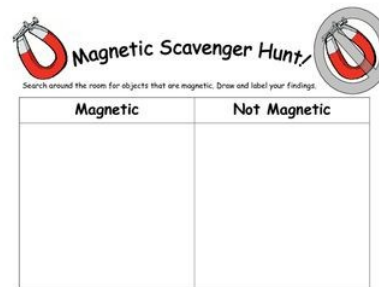
Web links

<https://www.bbc.co.uk/bitesize/subjects/z2pfb9q>
(Forces and Motion area)

<https://www.brainpop.com/games/magnethunt/>

Experiences that could be provided at home...

- Investigating what household items are magnetic
- Magnet fishing – using a larger magnet in a local river to see what objects lie at the bottom



	something.
Magnet	A piece of iron or other material which attracts other iron-containing objects.
Poles	The two regions of a magnet.
Horseshoe magnet	A magnet made in the shape of a horseshoe.
Bar magnet	A magnet in the shape of a bar with the poles at each end.
Ring magnet	A thin, flat, circular magnet with a hole through the middle.