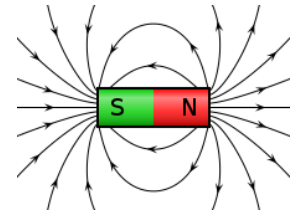


Triple Unit Overview – Magnetism and electromagnets Target grade for tests:



You will learn about:

The force of magnetism and the difference between permanent and induced magnets. You will also learn how to make a motor.

You will be able to:

Work out the direction of movement in a motor based on information about magnetic field and current. Calculate the force of a conductor in a magnetic field.

<p>Key learning points</p> <table border="1"> <tr> <td>Magnetic poles and fields</td> <td></td> </tr> <tr> <td>Electromagnetism</td> <td></td> </tr> <tr> <td>Flemings left hand rule (Higher tier only)</td> <td></td> </tr> <tr> <td>Motors (Higher tier only)</td> <td></td> </tr> </table>					Magnetic poles and fields		Electromagnetism		Flemings left hand rule (Higher tier only)		Motors (Higher tier only)		<p>Key Words</p> <p>Magnets Poles Repel Attract Magnetic Field Motor Current Electromagnetism Induction Fleming Solenoid Magnetic flux Permanent Induced Compass Earth</p>	
Magnetic poles and fields														
Electromagnetism														
Flemings left hand rule (Higher tier only)														
Motors (Higher tier only)														
<p>Links to other subjects:</p> <p>Numeracy Calculate the magnetic flux when given information about current and length.</p> <p>Literacy To be able to describe and explain the effect of magnetism and the building of electromagnets.</p>														
Research	Note-making	Group work & discussion	Memorisation	Precision & accuracy	Independence	Reflection								