

GCSE Physics P15 Electromagnetism

What are we learning?	What knowledge, understanding and skills will we gain?	What does excellence look like?	What additional resources are available?
<p>Force of magnetism and its properties</p>	<p>Knowledge</p> <ul style="list-style-type: none"> • Definitions of induces magnetism, magnetic fields, solenoids, flux density and electromagnets • Rules of attraction for magnets • List magnetic materials <p>Understanding</p> <ul style="list-style-type: none"> • Explain why magnetism is a non-contact force • Explanation of how to induce magnetism in a metal • Links between magnetic fields and electric current • Confident use of practical equipment to create demonstrations that evidence the learning points <p>Skills</p> <ul style="list-style-type: none"> • Writing scientifically to explain • Drawing scientifically • Consider with control variables and effectively managed during a practical 	<p>Application of electromagnets</p> <p>Detailed description of Flemmings left hand rule and how this links magnetic fields, force and current</p> <p>Description of how magnetism can be used to generate electricity in the generators</p> <p>Application of transforms including calculations on efficiency and potential difference</p> <p>Application of previous study on electricity including use of electrical symbols for components</p>	<p>BBC Bitesize</p> <p>Doddle – power points and quick quizzes</p> <p>You tube: ‘Free science lessons’</p> <p>Seneca learning platform</p>

