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| **What will we be learning?**  Magnetism | **Why this? Why now?**  Waves  Electricity 1 & 2  AQA Combined & Separate Science - Physics | **Key Words:**  Make sure you know the definitions of these keywords and use them in your answers.  Pole  Attract / repel  Induce  Magnetic flux density  Solenoid  Electromagnet  Motor Effect  Electromagnetic induction  Transformer  Flemming’s Left Hand Rule |
| **What will we learn?**  F = BIl Force = magnetic flux density x current x length  (Higher tier only, equation is given on the formulae sheet)  Common Misconceptions: All metals are magnetic | |
| **What opportunities are there for wider study?**  Collins Revision guide relevant pages for this unit:  Triple: 66-71 Higher: 206 - 209 Foundation: 200-201  Mechanical Engineer Sound engineer Electronic Engineer  Electrical engineer  Energy Provider Specialist Environmental Design | |
| **How will I be assessed?**  Deep Marking Task Title for this unit: Factors affecting an electromagnet (F)  Magnetic fields and the motor effect (H)  Required Practical(s) for this unit: None | |