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| **What will we be learning?** Magnetism | **Why this? Why now?**WavesElectricity 1 & 2AQA Combined & Separate Science - Physics | **Key Words:**Make sure you know the definitions of these keywords and use them in your answers.PoleAttract / repelInduceMagnetic flux densitySolenoidElectromagnetMotor EffectElectromagnetic inductionTransformerFlemming’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: 200-201Mechanical Engineer Sound engineer Electronic EngineerElectrical 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 |