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| **What will we be learning?**  Electricity 2 | **Why this? Why now?**  GCSE Course: AQA Combined & Separate Science - Physics  Electricity 1 | **Key Words:**  Make sure you know the definitions of these keywords and use them in your answers.  Potential Difference  Charge  Current  Electrical field  Resistance  Ampere  Volts  National Grid  Transformer  Three-core cable  Earth wire  Live wire  Neutral wire  Double Insulated  Kilowatt hour |
| **What will we learn?**  Useful equations/formulae/maths skills for this unit:  V = IR (Potential difference = Current x Resistance)  Q = It (Charge = Current x time)  E = QV (Energy = Charge x Potential Difference)  P = IV (power = Current x Potential difference)  E = ItV (Energy = Current x time x potential difference)  Efficiency Common Misconceptions: Current can be fast or slow (always increased or decreased)  = output power / input power | |
| **What opportunities are there for wider study?**  Collins Revision guide relevant pages for this unit:  Triple: 62 - 65 Higher: 194-197 Foundation: 188-191  Electrical Engineer Electronic Engineer Computing Engineer Electrician Architect  Sound Engineer Film / Television Engineer Special Effects Lighting Engineer | |
| **How will I be assessed?**  Deep Marking Task Title for this unit: Electricity in our Homes  Required Practical(s) for this unit: None | |