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| **What will we be learning?**  Electricity 1 | **Why this? Why now?**  Electricity 2  AQA Combined & Separate Science - Physics | **Key Words:**  Make sure you know the definitions of these keywords and use them in your answers.  Potential Difference  Charge  Current  Electrical field  Ohms Law  Resistance  Ampere  Volts  Series Circuit  Parallel Circuit  Short Circuit  Coulomb |
| **What will we learn?**  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)  Common Misconceptions: Current can be fast or slow (always increased or decreased) | |
| **What opportunities are there for wider study?**  Collins Revision guide relevant pages for this unit:  Triple: 54-61 Higher: 188-193 Foundation: 182 - 187  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: End of Topic Test  Required Practical(s) for this unit: Investigating Resistance  Investigating Electrical Components | |