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| **What will we be learning?**Electricity 1 | **Why this? Why now?** Electricity 2AQA Combined & Separate Science - Physics | **Key Words:**Make sure you know the definitions of these keywords and use them in your answers.Potential DifferenceChargeCurrentElectrical fieldOhms LawResistanceAmpereVoltsSeries CircuitParallel CircuitShort CircuitCoulomb |
| **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 - 187Electrical 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 TestRequired Practical(s) for this unit: Investigating ResistanceInvestigating Electrical Components |