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| **What will we be learning?** Electricity 2 | **Why this? Why now?**GCSE Course: AQA Combined & Separate Science - PhysicsElectricity 1 | **Key Words:**Make sure you know the definitions of these keywords and use them in your answers.Potential DifferenceChargeCurrentElectrical fieldResistanceAmpereVoltsNational GridTransformerThree-core cableEarth wireLive wireNeutral wireDouble InsulatedKilowatt 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: 188-191Electrical 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 HomesRequired Practical(s) for this unit: None |