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| **What will we be learning?** Energy 2 | **Why this? Why now?**GCSE Course: AQA Combined & Separate Science - PhysicsEnergy 1Chemistry of the Atmosphere | **Key Words:**Make sure you know the definitions of these keywords and use them in your answers.InsulatorConductorThermal TransferBiofuelHydroelectricRenewableFossil fuelTurbineGeneratorGeothermalPhotovoltaicGreenhouse effectGreenhouse gases |
| **What will we learn?**Ep = mgh (Gravitational potential energy = mass x gravitational field strength x height)Ek= ½ mv2 (Kinetic Energy = ½ x mass x velocity squared)W = Fs (Work done is force x distance)Efficiency = useful energy transferred / total energy suppliedE = Pt (Energy = Power x time)Common Misconceptions: Tidal energy is from the sun (it’s from the moon)Nuclear power is renewable |
| **What opportunities are there for wider study?**Collins Revision guide relevant pages for this unit:Triple: 29 Higher: 172-173 Foundation: 166-167Environmental Science Structural Engineering Mechanical EngineeringArchitect Nuclear Engineer Mining Engineer |
| **How will I be assessed?**Deep Marking Task Title for this unit: End of Topic TestRequired Practical(s) for this unit: None |