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|  In Year 10 and 11 students will have 7 regular science lessons per week. Our curriculum is based on the AQA KS4 Combined Science: Trilogy Curriculum. In both years, we re-explore and develop a range of modules that students have been introduced to in year 7, 8 and 9, splitting these into the distinct disciplines of Biology, Chemistry and Physics. Students will be given the opportunity to explore their ideas and questions, follow the evidence from results and question everything. Some students may choose to focus solely on GCSE Biology later in the academic year.For more detailed information, please click here: <https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464> |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
| Topic B77.1.1 Communities/Competition7.1.2 Abiotic factors7.1.3 Biotic factors7.1.4 Adaptations7.2.1 Levels of organisation7.2.2 How materials are cycled - water7.2.2 How materials are cycled - carbon | Topic B77.3 Biodiversity and the effect of human interaction on ecosystems7.3.1 Biodiversity7.3.2 Waste management7.3.3 Land use7.3.4 Deforestation7.3.5 Global warming7.3.6 Maintaining biodiversity | Topic P2Field Course2.1.1 Standard circuit diagram symbols2.1.2 Electrical charge and current2.1.3 Current, resistance and potential difference | Topic P22.1.4 Resistors2.2 Series and parallel circuits2.3.1 Direct and alternating potential difference2.3.2 Mains electricity2.4.1 Power2.4.2 Energy transfers in everyday appliances2.4.3 The National Grid | Topic C44.1.1 Metal oxides4.1.2 The reactivity series4.1.3 Extraction of metals and reduction4.1.4 Oxidation and reduction in terms of electrons4.2.1 Reactions of acids with metals | Topic C44.2.2 Neutralisation of acids and salt production4.2.3 Soluble salts4.2.4 The pH scale and neutralisation4.2.5 Strong and weak acids | TopicC54.3.1 The process of electrolysis4.3.2 Electrolysis of molten ionic compounds4.3.3 Using electrolysis to extract metals | Topic C55.1.1 Energy transfer during exothermic and endothermic reactions5.1.2 Reaction profiles5.1.3 The energy change of reactions (HT only) |
| End of topic tests based on past exam questions covering both Foundation Tiers and Higher Tiers. |