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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 B7  7.1.1 Communities  /Competition  7.1.2 Abiotic factors  7.1.3 Biotic factors  7.1.4 Adaptations  7.2.1 Levels of organisation  7.2.2 How materials are cycled - water  7.2.2 How materials are cycled - carbon | Topic B7  7.3 Biodiversity and the effect of human interaction on ecosystems  7.3.1 Biodiversity  7.3.2 Waste management  7.3.3 Land use  7.3.4 Deforestation  7.3.5 Global warming  7.3.6 Maintaining biodiversity | Topic P2  Field Course  2.1.1 Standard circuit diagram symbols  2.1.2 Electrical charge and current  2.1.3 Current, resistance and potential difference | Topic P2  2.1.4 Resistors  2.2 Series and parallel circuits  2.3.1 Direct and alternating potential difference  2.3.2 Mains electricity  2.4.1 Power  2.4.2 Energy transfers in everyday appliances  2.4.3 The National Grid | Topic C4  4.1.1 Metal oxides  4.1.2 The reactivity series  4.1.3 Extraction of metals and reduction  4.1.4 Oxidation and reduction in terms of electrons  4.2.1 Reactions of acids with metals | Topic C4  4.2.2 Neutralisation of acids and salt production  4.2.3 Soluble salts  4.2.4 The pH scale and neutralisation  4.2.5 Strong and weak acids | TopicC5  4.3.1 The process of electrolysis  4.3.2 Electrolysis of molten ionic compounds  4.3.3 Using electrolysis to extract metals | Topic C5  5.1.1 Energy transfer during exothermic and endothermic reactions  5.1.2 Reaction profiles  5.1.3 The energy change of reactions (HT only) |
| End of topic tests based on past exam questions covering both Foundation Tiers and Higher Tiers. | | | | | | | |