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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  BIO Decomposition BIO Impact of environmental change  7.3 Biodiversity and the effect of human interaction on ecosystems  7.3.1 Biodiversity | Topic B7  Field Course  BIO Ecology techniques  Decomposition  BIO Impact of environmental change  7.3 Biodiversity and the effect of human interaction on ecosystems  7.3.1 Biodiversity | Topic B7  7.3.2 Waste management  7.3.3 Land use  7.3.4 Deforestation  7.3.5 Global warming  7.3.6 Maintaining biodiversity  BIO Trophic levels  BIO Pyramids of biomass  BIO Transfer of biomass  BIO Factors affecting food security  BIO Farming techniques  BIO Sustainable fisheries  BIO Role of biotechnology | Topic B3  3.1.1 Communicable (infectious) diseases  3.1.2 Viral diseases  3.1.3 Bacterial diseases  3.1.4 Fungal diseases  3.1.5 Protist diseases | Topic B3  3.1.6 Human defence systems  3.1.7 Vaccination  3.1.8 Antibiotics and painkillers | Topic B3  3.1.9 Discovery and development of drugs  XX Producing monoclonal antibodies BIO  XX Uses of monoclonal antibodies BIO (HT only)  XX Detection and identification of plant diseases BIO  XX Plant defence responses BIO | Topic B3  Revision and testing B7 and B3 |
| End of topic tests based on past exam questions covering both Foundation Tiers and Higher Tiers. | | | | | | | |