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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 |  |  |
| Topic C7/8  7.1.1 Crude oil, hydrocarbons and alkanes  7.1.2 Fractional distillation and petrochemicals  7.1.3 Properties of hydrocarbons  7.1.4 Cracking and alkenes  8.1.1 Pure substances  8.1.2 Formulations  8.1.3 Chromatography  8.2.1 Test for hydrogen  8.2.2 Test for oxygen  8.2.3 Test for carbon dioxide  8.2.4 Test for chlorine | Topic B4  4.1.1 Photosynthetic reaction  4.1.2 Rate of photosynthesis  4.1.3 Uses of glucose from photosynthesis | Topic B4  4.2.1 Aerobic and anaerobic respiration  4.2.2 Response to exercise  4.2.3 Metabolism | Topic B5  5.1 Homeostasis  5.2.1 The human nervous system - Structure and Function | Topic B5  5.3.1 Human endocrine system  5.3.2 Control of blood glucose concentration | Topic B5  5.3.3 Hormones in human reproduction  5.3.4 Contraception  5.3.5 The use of hormones to treat infertility (HT only)  5.3.6 Negative feedback (HT only) |  |  |
| End of topic tests based on past exam questions covering both Foundation Tiers and Higher Tiers. | | | | | | | |