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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 |  |
| Topic P33.1.1 Density of materials3.1.2 Changes of state3.2.1 Internal energy3.2.2 Temperature changes in a system and specific heat capacity | Topic P3/43.2.3 Changes of heat and specific latent heat3.3.1 Particle motion in gases4.1.1 The structure of an atom4.1.2 Mass number, atomic number and isotopes | Topic P44.1.3 The development of the model of the atom (common content with chemistry)4.2.1 Radioactive decay and nuclear radiation4.2.2 Nuclear equations4.2.3 Half-lives and the random nature of radioactive decay4.2.4 Radioactive contamination | Topic B33.1.1 Communicable (infectious) diseases3.1.2 Viral diseases3.1.3 Bacterial diseases3.1.4 Fungal diseases3.1.5 Protist diseases | Topic B33.1.6 Human defence systems3.1.7 Vaccination3.1.8 Antibiotics and painkillers3.1.9 Discovery and development of drugs | Mock ExamsTopics included in the mocks will be:**Biology 1, 2, 3, 7****Chemistry 1, 2, 4, 5****Physics 1, 2, 3, 4** | Topic C66.1.1 Calculating rates of reactions6.1.2 Factors which affect the rates of chemical reactions6.1.3 Collision theory and activation energy6.1.4 Catalysts6.2.1 Reversible reactions6.2.2 Energy changes and reversible reactions6.2.3 Equilibrium |  |
| End of topic tests based on past exam questions covering both Foundation Tiers and Higher Tiers. |