|  |
| --- |
|  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 B55.1 Homeostasis5.2.1 The human nervous system - Structure and FunctionXX The brain BIOXX The eye BIOXX Control of body temperature BIO | Topic B55.3.1 Human endocrine system5.3.2 Control of blood glucose concentrationXX Maintaining water and nitrogen balance in the body BIO5.3.3 Hormones in human reproduction5.3.4 Contraception | Topic B55.3.5 The use of hormones to treat infertility (HT only)5.3.6 Negative feedback (HT only)XX Plant hormones - Control and coordination BIOXX Use of plant hormones BIO (HT only) | Topic B66.1.1 Sexual and asexual reproduction6.1.2 MeiosisXX Advantages and disadvantages of sexual and asexual reproduction BIO6.1.3 DNA and the genomeXX DNA structure BIO | Topic B66.1.4 Genetic inheritance6.1.5 Inherited disorders6.1.6 Sex determination6.2.1 Variation6.2.2 Evolution | Topic B66.2.3 Selective breeding6.2.4 Genetic engineeringXX Cloning BIOXX Theory of evolution BIOXX Speciation BIOXX The understanding of genetics BIO6.3.1 Evidence for evolution6.3.2 Fossils6.3.3 Extinction6.3.4 Resistant bacteria6.4 Classification of living organisms |  |  |
| End of topic tests based on past exam questions covering both Foundation Tiers and Higher Tiers. |