



Y11 Combined science TRILOGY (Biology - AQA)

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|------------|--|--|---|---|---|-----------|
| Topics | B6b Inheritance, variation and evolution Variation, evolution, genetic engineering, classification | B7 Ecology - Competition, adaptations, water and carbon cycles, biodiversity, pollution and global warming. | Re-teaching of Paper 1 content inc. required practicals and maths skills. | Re-teaching of Paper 1 content inc. required practicals and maths skills. | Re-teaching of Paper 2 content inc. required practicals and maths skills. | |
| Assessment | End of topic assessment | End of topic assessment Paper 1 PPE | Paper 2 PPE | Paper 2 PPE | GCSE Exam | GCSE Exam |

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| Building on Prior Learning | Year 11 Biology builds on prior knowledge by spiralling the topics previously learnt in Year 9/10 such as cells, osmosis, diffusion, active transport, plant and animal biology. GCSE content builds on the knowledge gained at KS3. Learning components at the start of lessons remind students of prior learning and point out links to previous topics. |
| Links with other subjects | Maths - 20% of the Science GCSE is numeracy based around fractions, standard form, and basic maths. Tabulation and analysis of data. English - Literacy link, scientific terminology, command words, comprehension, and reading and extended writing. |
| Extracurricular opportunities | Developing STEM ambassador visits to engage and inspire students. Period 6 Science enhancement sessions. |
| A successful learner in this subject will demonstrate | The knowledge and recall of the above topics, along with the ability to explain, analyse and make links between different areas of Biology. They will have the ability to take ownership of their own learning needs. Practical skills will develop through the completion of required practicals throughout the year. |
| Impact on personal development | Science will help students to become logical thinkers and problem solvers with a better understanding of the world around them. Demonstrating resilience and the ability to consider moral and ethical implications of scientific developments. |

| Ways to support student learning in this subject |
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| <ul style="list-style-type: none"> • Encourage the completion of homework. • Encourage discussion of science issues that arise in the news. • Discuss science lessons and their progress. • Encourage a positive attitude towards science. • Personalised learning checklists (PLC) • Encourage students to use Seneca Learning (https://www.senecalearning.com/) to consolidate knowledge and build on recall skills. • CGP Combined science revision guides and workbooks are available to purchase throughout the year on parent pay. |