

Key Stage 5 Biology Curriculum Overview

| Year 12 | Term 1 | Term 2 | Term 3 | Term 4 | Term 5 | Term 6 |
|--------------------------|--|---------------------------------|---|--------|---------------------------|----------------------|
| Skills | Practical Endorsement research skills – throughout, plus AO3 data analysis, interleaved within topics. | | | | | |
| Knowledge | Transport and CVD (T1) Genes and Proteins (T2) | | Cells and development (T3) Biodiversity, Evolution and Botany (T4) | | | Climate Science (T5) |
| Alive and British Values | We can Research, We are Resilient, We are Interdependent, We value Justice and Respect We value Ourselves | | | | | |
| Assessment | | Early November – Topic 1 + 2 | Early January – Topic 1 + 2 | | End of May - Topic 3+4 | |
| Careers | Key scientific careers are referenced and explained throughout the course | | | | | |

How will studying this subject in Key Stage Five build on learning from Key Stages Three and Four?:

- Knowledge builds on the key principles in Biology from Combined Science GCSE and regularly uses these ideas to explain complex biological processes, for example diffusion, heat transfer, biological molecules, enzymes. The A Level course is designed to enable students to be literate and confident in explaining or manipulating the specific biological language and concepts taught in Further Education.

Key Stage 5 Biology Curriculum Overview

| Year 13 | Term 1 | Term 2 | Term 3 | Term 4 | Term 5 | Term 6 |
|--------------------------|--|--------------------|---------------------------------|----------------------------|---------------------------------|--------|
| Skills | Practical Endorsement research skills – throughout, plus AO3 data analysis, interleaved within topics. | | | | | |
| Knowledge | Photosynthesis and Ecology (T5) | | Respiration and Exercise (T7) | | Scientific Article and Revision | |
| | Human Health and Disease (T6) | | Nervous system and Control (T8) | | | |
| Alive and British Values | We can Research, We are Resilient, We are Interdependent, We value Justice and Respect We value Ourselves | | | | | |
| Assessment | | November – Topic 5 | December – Topic 6 | February mock – Topics 1-6 | Topic 7 and 8 | |
| Careers | Key scientific careers are referenced and explained throughout the course | | | | | |

How will studying this subject in Key Stage Five help students to make their unique contribution to the world?:

We produce independent, confident competent Biologists, which are fully prepared for either further education in science and/or have a range of transferrable skills and knowledge that make them good competitors in employment.