

BIOLOGY SEPARATE SCIENCE CURRICULUM: KS4

Intent:

In Science we aim to deliver a *knowledge rich, ambitious, and inclusive* curriculum that ensures all pupils master key concepts in the three Sciences. This *empowers* them to examine *relevant* global issues such as pollution, food sustainability, climate change *etc.* We ensure pupils develop a *coherent* understanding of scientific enquiry and gain the skills needed to draw valid conclusion via practical work. We aim to foster pupil's natural curiosity and develop them into critical thinkers where they can apply their knowledge to the modern world (e.g., understanding electricity bills, choosing a car wisely, the importance of screening).



Qualification(s)	Biology GCSE
Exam Board	AQA
Link to Specification	https://www.aqa.org.uk/subjects/science/gcse/biology-8461/specification-at-a-glance

Procedural knowledge is developed throughout the curriculum whilst pupil's carry out the required practicals. These practicals are assessed within the external exams so is vital pupils attend these lessons.

A test will follow after each group of chapters. E.g. after B1, B2, B3 and B4. This will include core questions plus an extended writing question. These are highlighted on the document with a *.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	B1 – Cell Structure and Transport B2 – Cell Division	B3 – Organisation and the Digestive System B4 – Organising Animals and Plants*	B5 – Communicable Diseases B6 – Preventing and Treating Disease	B7 – Non-communicable Diseases* B8 – Photosynthesis	B9 – Respiration* B10 – The Human Nervous System	B11 – Hormonal Coordination <i>Mock exams</i>
Year 11	B12 – Homeostasis in Action* B13 – Reproduction	B14 – Variation and Evolution B15 – Genetics and Evolution* <i>Mock exams</i>	B16 – Adaptions, Interdependence and Competition B17 – Organising an Ecosystem	B18 – Biodiversity and Ecosystems* <i>Mock exams</i>	<i>Revision</i>	<i>External Exams</i>

Further Support:

Pupils have access to an online textbook and revision materials on Kerboodle:

<https://www.kerboodle.com/users/login>

BBC Bitesize has some excellent resources to support your child’s learning:

<https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>

Who to contact regarding KS4 Biology:

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