Programme of Study - Year 10 and 11

Students in KS4 work towards both Entry Level Certificate in Science and GCSE qualifications.

OCR Entry Level Certificate
OCR Entry Level Certificate is a course designed to provide students with realistic targets, encouraging them to develop science skills. This enables the more able students to progress to GCSE Science, and and covers the National Curriculum Key Stage 4 programme of study for Science.

In addition to the scientific knowledge, understanding and skills that are taught throughout the course, candidates require an understanding of the fundamental scientific processes that underpin these explanations. Studying these processes will provide candidates with some understanding of:
• How scientific explanations have been developed
• Their limitations, and
• How they may impact on individuals and society

OCR GCSE (9-1) Biology
The GCSE (9-1) Gateway Science Suite is built around good science, providing a rewarding experience across the ability range that's fair and accessible to the weaker students while genuinely challenging the most able. It provides a more traditional grounding in science, and a base level of understanding that will help students progress into future scientific thinking. There are embedded practical activities throughout course. Due to mixed year group classes, the course is covered on a rotational basis.

Year 10/11 Programme of Study

Students in this year will study the first three units of the specification

B1: Cell Level Systems	B1.1	Cell Structures
	B1.2	What happens in cells
	B1.3	Respiration
	B1.4	Photosynthesis
B2: Scaling Up	B2.1	Supplying the cell
	B2.2	The challenges of size
B3: Organism level systems	B3.1	Coordination and control – The Nervous System
	B3.2	Coordination and control – The Endocrine System
	B3.3	Maintaining internal environments

Year 11/10 programme of Study

Students in this year will study the remaining units of the specification.

B4: Community level systems	B4.1	Cycling of materials through an ecosystem.
	B4.4	Factors affecting an Ecosystem
	B4.10	Energy transfers in an Ecosystem
B5: Genes, Inheritance and selection	B5.1	Inheritance
	B5.2	Natural selection and evolution
B6: Global Challenges	B6.1	Global Challenges – Part 1
	B6.2	Global Challenges – Part 2
	B6.3	Global Challenges – Part 3

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