

OCR A Level Biology (H420)

Biology at A Level builds on the biological literacy of life gained at GCSE. It incorporates developing scientific knowledge and understanding of different areas of the subject through practical skills and awareness of different learning techniques. Biology as a subject is not just an academic discipline but a logical way of thinking and understanding life in the world in around us.

Please click on the link for the full course specification: [Biology A Level](#)

Course Content Year 12

- Unit 1: Development of Practical Skills in Biology. Practical skills are assessed in a written examination and the practical endorsement?
- Unit 2: Foundations in Biology: Cell Structure; Biological Molecules; Nucleotides & Nucleic Acids; Enzymes; Biological Membranes; Cell Division, Diversity & Organisation.
- Unit 3: Exchange and Transport: Exchange Surfaces; Transport in Animals; Transport in Plants.
- Unit 4: Biodiversity, Evolution and Disease: Communicable Diseases, Disease Prevention and the Immune System; Biodiversity; Classification & Evolution.

Topics Covered per Half Term

Term	Topic
Autumn 1	<ul style="list-style-type: none">• Cell Structure• Biological Molecules
Autumn 2	<ul style="list-style-type: none">• Nucleic Acids, Enzymes, Biological Membranes and Cell Division
Spring 1	<ul style="list-style-type: none">• Exchange Surface & Breathing• Transport In Animals
Spring 2	<ul style="list-style-type: none">• Transport in Plants
Summer 1	<ul style="list-style-type: none">• Communicable Diseases• Biodiversity
Summer 2	<ul style="list-style-type: none">• Classification and Evolution

Course Content Year 13

- Unit 5: Communication, Homeostasis & Energy. Communication & Homeostasis; Excretion as an Example of Homeostatic Control; Neuronal Communication; Hormonal Communication; Plant & Animal Responses; Photosynthesis; Respiration.
- Unit 6: Genetics, Evolution & Ecosystems. Cellular Control; Patterns of Inheritance; Manipulating Genomes; Cloning & Biotechnology; Ecosystems; Populations & Sustainability.

Topics Covered per Half Term

Term	Topic
Autumn 1	<ul style="list-style-type: none">• Homeostasis & Communication• Photosynthesis
Autumn 2	<ul style="list-style-type: none">• Plant & Animal Responses• Respiration
Spring 1	<ul style="list-style-type: none">• Cellular Control, Inheritance• Manipulating Genomes
Spring 2	<ul style="list-style-type: none">• Cloning & Biotechnology• Ecosystems• Population
Summer 1	<ul style="list-style-type: none">• Revision
Summer 2	<ul style="list-style-type: none">• Examinations