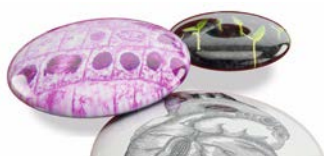


Switching to OCR A from Eduqas

The content within the [OCR Biology A specification](#) covers the 'Big Ideas' of biology and will be very familiar. We've laid it out in a logical progression to support co-teaching the AS level and teaching the A level in a linear way.

OCR Biology A	Eduqas Biology A Level (AS topics highlighted)
<p>Module 1: Practical skills</p> <p>Planning, implementing, analysis and evaluation</p> <p>Plus all the skills to be covered in the Practical Endorsement</p>	<p>The same practical skills, as mandated by the DfE, apply to the Eduqas qualification</p>
<p>Module 2: Foundations in Biology</p> <ul style="list-style-type: none"> • Cell structure • Biological molecules • Nucleotides and nucleic acids • Enzymes • Biological membranes • Cell division, diversity and organisation 	<p>Core Concepts</p> <ul style="list-style-type: none"> • Chemical elements are joined together to form biological compounds • Cell structure and organisation • Cell membranes and transport • Biological reactions are regulated by enzymes • Nucleic acids and their functions
<p>Module 3: Exchange and Transport</p> <ul style="list-style-type: none"> • Exchange surfaces • Transport in animals • Transport in plants 	<p>Component 1: Energy for Life</p> <ul style="list-style-type: none"> • Importance of ATP • Photosynthesis • Respiration • Microbiology • Population size and ecosystems • Human impact on the environment
<p>Module 4: Biodiversity, evolution and disease</p> <ul style="list-style-type: none"> • Communicable diseases, disease prevention and the immune system • Biodiversity • Classification and evolution 	<p>Component 2: Continuity of Life</p> <ul style="list-style-type: none"> • All organisms are related through their evolutionary history • Genetic information is copied and passed on to daughter cells • Sexual reproduction in humans

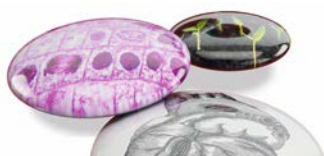


OCR Biology A	Eduqas Biology A Level (AS topics highlighted)
	<ul style="list-style-type: none"> • Sexual reproduction in plants • Inheritance • Variation and evolution • Application of reproduction and genetics
<p>Module 5: Communication, homeostasis and energy</p> <ul style="list-style-type: none"> • Communication and homeostasis • Excretion • Neuronal communication • Hormonal communication • Plant and animal responses • Photosynthesis • Respiration 	<p>Component 3: Requirements for Life</p> <ul style="list-style-type: none"> • Adaptations for gas exchange • Adaptations for transport • Adaptations for nutrition • Homeostasis and the kidney • The nervous system <p>Choice of one option from three:</p> <ul style="list-style-type: none"> • Immunology and disease • Human musculoskeletal anatomy • Neurobiology and behaviour
<p>Module 6: Genetics, evolution and ecosystems</p> <ul style="list-style-type: none"> • Cellular control • Patterns of inheritance • Manipulating genomes • Cloning and biotechnology • Ecosystems • Populations and sustainability 	
<p>Appendix 5d: Mathematical requirements</p> <ul style="list-style-type: none"> • Arithmetic and numerical computation • Handling data • Algebra • Graphs • Geometry and trigonometry 	<p>Appendix C: Mathematical requirements and exemplification</p> <ul style="list-style-type: none"> • Arithmetic and numerical computation • Handling data • Algebra • Graphs • Geometry and trigonometry



Assessment

OCR Biology A	Eduqas
<p>AS Paper 1: Breadth in Biology, Modules 1-4 50% of AS</p> <p>Written paper 1 hour 30 minutes 70 marks</p> <p>Section A multiple choice questions, 20 marks. Section B short structured questions, covering problem solving, calculations, practical and theory, 50 marks.</p>	<p>AS Paper 1: Core concepts and Genetic information</p> <p>50% of AS</p> <p>Written paper 1 hour 30 minutes 75 marks</p> <p>Short and longer structured questions.</p>
<p>AS Paper 2: Depth in Biology, Modules 1-4 50% of AS</p> <p>Written paper 1 hour 30 minutes 70 marks</p> <p>Short structured questions and extended response questions, problem solving, calculations, practical and theory.</p>	<p>AS Paper 2:</p> <ul style="list-style-type: none"> • All organisms are related through their evolutionary history • Adaptations for gas exchange • Adaptations for transport • Adaptations for nutrition <p>50% of AS</p> <p>Written paper 1 hour 30 minutes 75 marks</p> <p>Short and longer structured questions..</p>
<p>A Level Paper 1: Biological processes, Modules 1, 2, 3 & 5</p> <p>37% of A level</p> <p>Written paper 2 hours 15 minutes 100 marks</p> <p>Section A multiple choice questions, 15 marks. Section B short structured questions, and extended response questions, problem solving, calculations, practical and theory 85 marks.</p>	<p>A Level Paper 1: Component 1 and core concepts</p> <p>33% of A level</p> <p>Written paper 2 hours 100 marks</p> <p>Short structured questions and extended response questions, problem solving, calculations, practical and theory.</p>



OCR Biology A	Eduqas
<p>A Level Paper 2: Biological diversity, Modules 1, 2, 4 & 6</p> <p>37% of A level</p> <p>Written paper 2 hours 15 minutes</p> <p>100 marks</p> <p>Section A multiple choice questions, 15 marks. Section B short structured questions and extended response questions, problem solving, calculations, practical and theory 85 marks.</p>	<p>A Level Paper 2: Component 2 and core concepts</p> <p>33% of A level</p> <p>Written paper 2 hours</p> <p>100 marks</p> <p>Short structured questions and extended response questions, problem solving, calculations, practical and theory.</p>
<p>A Level Paper 3: Unified Biology, Modules 1-6 26% of A level</p> <p>Written paper 1 hour 30 minutes</p> <p>70 marks</p> <p>Short structured questions and extended response questions, problem solving, calculations, practical and theory.</p>	<p>A Level Paper 3: Component 3 (including optional topics) and core concepts</p> <p>33% of A level</p> <p>Written paper 2 hours</p> <p>100 marks</p> <p>Short structured questions and extended response questions, problem solving, calculations, practical and theory.</p> <p>Section A: 80 marks</p> <p>Section B: 20 marks in each of 3 options</p>

