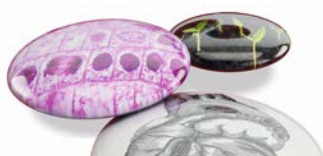


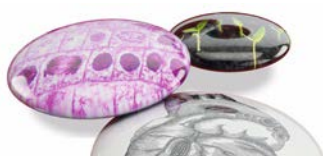
Switching to OCR A from AQA Human Biology

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	AQA Human Biology
<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>Required investigative and practical skills are described at the end of each unit in the specification.</p> <p>In addition Units 3 and 6 specifically describe the requirements of the Practical Skills Assessments</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>Unit 1 The body and its diseases</p> <ul style="list-style-type: none"> • We are what we eat • Enzymes • Cystic fibrosis <p>Unit 2 Humans – their origins and adaptations</p> <ul style="list-style-type: none"> • The information of life • Cell division
<p>Module 3: Exchange and Transport</p> <ul style="list-style-type: none"> • Exchange surfaces • Transport in animals • Transport in plants 	<p>Unit 1 The body and its diseases</p> <ul style="list-style-type: none"> • Diseases linked to lifestyle – The heart <p>Unit 2 Humans – their origins and adaptations</p> <ul style="list-style-type: none"> • Adaptations to exercise
<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>Unit 1 The body and its diseases</p> <ul style="list-style-type: none"> • Microorganisms • How the body fights infectious disease <p>Unit 2 Humans – their origins and adaptations</p> <ul style="list-style-type: none"> • Where we fit in the world

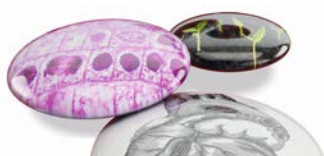


OCR Biology A	AQA Human Biology
<p>Module 5: Communication, homeostasis and energy</p> <ul style="list-style-type: none"> • Communication and homeostasis • Excretion • Neuronal communication • Hormonal communication • Plant and animal responses • Photosynthesis • Respiration 	<p>Unit 4 Bodies and cells in and out of control</p> <ul style="list-style-type: none"> • Fight or flight • Hypothermia and diabetes <p>Unit 5 The air we breathe, the water we drink, the food we eat</p> <ul style="list-style-type: none"> • Plants can reduce the impact of the use of fossil fuels on climate change
<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>Unit 4 Bodies and cells in and out of control</p> <ul style="list-style-type: none"> • Genetic variation and inheritance • New genes for old <p>Unit 5 The air we breathe, the water we drink, the food we eat</p> <ul style="list-style-type: none"> • Human impacts on evolution • People change communities
<p>Appendix 5d: Mathematical requirements</p> <ul style="list-style-type: none"> • Arithmetic and numerical computation • Handling data • Algebra • Graphs • Geometry and trigonometry 	<p>Section 3.9: Mathematical requirements</p> <ul style="list-style-type: none"> • Arithmetic and computation • Handling data • Algebra • Graphs • Geometry and trigonometry
<p>Note: although the topic areas are very similar the details of what is required differ. Please read appendix 5d in the Biology B specification carefully to ensure your students are fully prepared for their assessments.</p>	



Assessment

OCR Biology A	AQA Human Biology
<p>AS Paper 1: Breadth in Biology, Modules 1-4 50% of AS Written paper 1hr 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 Unit 1: The body and its diseases 40% of AS Written paper 1 hour 30 minutes 80 marks</p> <p>7 - 10 short answer questions plus 1 longer question involving comprehension/case study.</p>
<p>AS Paper 2: Depth in Biology, Modules 1-4 50% of AS Written paper 1hr 30 minutes 70 marks</p> <p>Short structured questions and extended response questions, problem solving, calculations, practical and theory.</p>	<p>AS Unit 2: Humans – their origins and adaptations 40% of AS Written paper 1 hour 30 minutes 80 marks</p> <p>7 - 10 short answer questions plus 1 longer question involving comprehension/case study.</p>
	<p>AS Unit 3: Investigative and practical skills 20% of AS Controlled assessment 50 marks</p>
<p>A Level Paper 1: Biological processes, Modules 1, 2, 3 & 5 37% of A level 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>A2 Unit 4: Bodies and cells in and out of control 20% of A Level Written paper 2 hours 90 marks</p> <p>9 - 11 short answer questions plus 1 longer question involving methodology and data interpretation.</p>



OCR Biology A	AQA Human Biology
<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.</p> <p>Section B short structured questions and extended response questions, problem solving, calculations, practical and theory 85 marks.</p>	<p>A2 Unit 5: Bodies and cells in and out of control</p> <p>20% of A Level</p> <p>Written paper 2 hours</p> <p>90 marks</p> <p>7 - 9 short answer questions plus 1 longer question with a choice of 2 essay topics.</p>
<p>A Level Paper 3: Unified Biology, Modules 1-6</p> <p>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>A2 Unit 6: Investigative and practical skills</p> <p>10% of A Level</p> <p>Controlled assessment</p> <p>50 marks</p>

