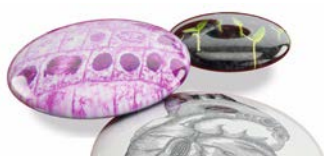


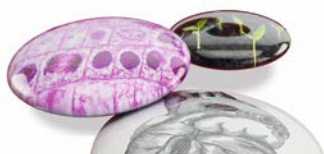
## Switching to OCR A from Pearson (Edexcel) B

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	Pearson (Edexcel) B
<p><b>Module 1: Practical skills</b></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, are listed in appendix 5 of the Edexcel B specification</p>
<p><b>Module 2: Foundations in Biology</b></p> <ul style="list-style-type: none"> <li>• Cell structure</li> <li>• Biological molecules</li> <li>• Nucleotides and nucleic acids</li> <li>• Enzymes</li> <li>• Biological membranes</li> <li>• Cell division, diversity and organisation</li> </ul>	<p><b>1. Biological Molecules</b></p> <p><b>2. Cells, Viruses and Reproduction of Living Things:</b> 2.1 cell structure, 2.3 cell cycle</p>
<p><b>Module 3: Exchange and Transport</b></p> <ul style="list-style-type: none"> <li>• Exchange surfaces</li> <li>• Transport in animals</li> <li>• Transport in plants</li> </ul>	<p><b>4. Exchange and Transport</b></p>
<p><b>Module 4: Biodiversity, evolution and disease</b></p> <ul style="list-style-type: none"> <li>• Communicable diseases, disease prevention and the immune system</li> <li>• Biodiversity</li> <li>• Classification and evolution</li> </ul>	<p><b>3. Classification and Biodiversity</b></p> <p><b>6. Microbiology and Pathogens</b></p>

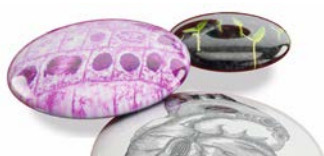


OCR Biology A	Pearson (Edexcel) B
<p><b>Module 5: Communication, homeostasis and energy</b></p> <ul style="list-style-type: none"> <li>• Communication and homeostasis</li> <li>• Excretion</li> <li>• Neuronal communication</li> <li>• Hormonal communication</li> <li>• Plant and animal responses</li> <li>• Photosynthesis</li> <li>• Respiration</li> </ul>	<p><b>9. Control Systems</b></p> <p><b>5. Energy for Biological Processes</b></p>
<p><b>Module 6: Genetics, evolution and ecosystems</b></p> <ul style="list-style-type: none"> <li>• Cellular control</li> <li>• Patterns of inheritance</li> <li>• Manipulating genomes</li> <li>• Cloning and biotechnology</li> <li>• Ecosystems</li> <li>• Populations and sustainability</li> </ul>	<p><b>7. Modern Genetics</b></p> <p><b>8. Origins of Genetic Variation</b></p> <p><b>10. Ecosystems</b></p>
<p><b>Appendix 5d: Mathematical requirements</b></p> <ul style="list-style-type: none"> <li>• Arithmetic and numerical computation</li> <li>• Handling data</li> <li>• Algebra</li> <li>• Graphs</li> <li>• Geometry and trigonometry</li> </ul>	<p><b>Appendix 6: Mathematical skills and exemplifications</b></p> <ul style="list-style-type: none"> <li>• Arithmetic and numerical computation</li> <li>• Handling data</li> <li>• Algebra</li> <li>• Graphs</li> <li>• Geometry and trigonometry</li> </ul>



## Assessment

OCR Biology A	Pearson (Edexcel) B
<p><b>AS Paper 1: Breadth in Biology, Modules 1-4</b> 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><b>AS Paper 1: Core Cellular Biology and Microbiology, Topics 1 and 2</b> 50% of AS Written paper 1hr 30 minutes 80 marks</p> <p>Multiple-choice, short open, open-response, calculations and extended writing questions.</p>
<p><b>AS Paper 2: Depth in Biology, Modules 1-4</b> 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><b>AS Paper 2: Paper 2: Core Physiology and Ecology, Topics 3 and 4</b> 50% of AS Written paper 1hr 30 minutes 80 marks</p> <p>Multiple-choice, short open, open-response, calculations and extended writing questions.</p>
<p><b>A Level Paper 1: Biological processes, Modules 1, 2, 3 &amp; 5</b> 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><b>A Level Paper 1: Advanced Biochemistry, Microbiology and Genetics, Topics 1-7</b> 30% of A level Written paper 1 hour 45 minutes 90 marks</p> <p>Multiple choice, short open, open-response, calculations and extended writing questions.</p>
<p><b>A Level Paper 2: Biological diversity, Modules 1, 2, 4 &amp; 6</b> 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</p>	<p><b>A Level Paper 2: Advanced Physiology, Evolution and Ecology, Topics 1-4 and 8-10</b> 30% of A level Written paper 1 hour 45 minutes 90 marks</p> <p>Multiple choice, short open, open-response,</p>



OCR Biology A	Pearson (Edexcel) B
extended response questions, problem solving, calculations, practical and theory 85 marks.	calculations and extended writing questions.
<p><b>A Level Paper 3: Unified Biology, Modules 1-6</b> 26% of A level 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><b>A Level Paper 3: General and Practical Principles in Biology, Topics 1-10</b> 40% of A level Written paper 2 hours and 30 minutes 120 marks</p> <p>Multiple choice, short open, open-response, calculations and extended writing questions, synoptic questions.</p>

