This specification has been written for students who wish to continue their study of Biology after GCSE, but focus on those aspects relating to Human Biology. It has been designed to enable centres to deliver the units using the framework provided or to design a custom course.

What are the benefits to me and my students of delivering this OCR specification?

- The specification has been developed in consultation with teachers, universities, research organisations (such as the Sanger Institute) and professional bodies (the Biosciences Federation and the Institute of Biology).
- The specification is based upon the existing successful GCE Human Biology specification.
- There is less emphasis on recall and more on understanding and application.
- Units F221 and F224 are designed to give you the opportunity to enter candidates in the January examination series.
- You can adopt either a staged or terminal assessment model.
- There is straightforward assessment of practical skills using OCR-set tasks and (non-hierarchical) mark schemes.
- We have retained the Extended Investigation at A2.
## AS Level

<table>
<thead>
<tr>
<th>Unit title</th>
<th>Description</th>
<th>Mandatory/Optional?</th>
</tr>
</thead>
</table>
| Mandatory  | F221: Molecules, Blood and Gas Exchange  
• Molecules and Blood  
• Circulatory and Gas Exchange Systems | 1 hour written exam  
AS Level – 30%  
A Level – 15% |
| Mandatory  | F222: Growth, Development and Disease  
• The Developing Cell  
• The Developing Individual  
• Infectious Disease  
• Non-infectious Disease | 1 hour 45 mins  
written exam  
AS Level – 50%  
A Level – 25% |
| Mandatory  | F223: Practical Skills in Human Biology  
• Internal assessment of practical skills | Internal Assessment  
AS Level – 20%  
A Level – 10% |

## A2 Level

<table>
<thead>
<tr>
<th>Unit title</th>
<th>Description</th>
<th>Mandatory/Optional?</th>
</tr>
</thead>
</table>
| Mandatory  | F224: Energy, Reproduction and Populations  
• Energy and Respiration  
• Human Reproduction and Population | 1 hour written exam  
A Level – 15% |
| Mandatory  | F225: Genetics, Control and Ageing  
• Genetics in the Twenty First Century  
• The Nervous System  
• Homeostasis  
• ‘The Third Age’ | 1 hour 45 mins  
written exam  
A Level – 25% |
| Mandatory  | F226: Extended investigation in Human Biology  
• Internal assessment of practical skills | Internal Assessment  
A Level – 10% |

### How is this qualification assessed?

Four units (two at AS, two at A2) are externally assessed through written exams.  
Two units (one at AS, one at A2) are internally assessed, moderated by post units, and will assess students’ practical skills.  
Practical skills units are available in the June series only.

### Dates of first examinations

**AS**  
January 2009 – Molecules, Blood and Gas Exchange  
June 2009 – Growth, Development and Disease, Practical Skills in Human Biology

**A2**  
June 2010 – Genetics, Control and Ageing, Extended investigation in Human Biology

### What support will I receive?

**Training**  
A variety of INSET courses will be available to prepare centres for the changeover and to support teachers and students after September 2008.

**Publishers**  
Developed in close consultation with OCR, Heinemann is publishing materials for the 2008 A Level Human Biology specification.

**Resources**  
You will be able to download all the following resources from the OCR website – [www.ocr.org.uk](http://www.ocr.org.uk).  
• Sample Assessment Material  
• Schemes of Work  
• Teachers’ and Technicians’ guide.

For more information please contact the OCR Customer Contact Centre on 01223 553998, or visit [www.ocr.org.uk](http://www.ocr.org.uk)