

## ACCESS TO HIGHER EDUCATION DIPLOMA IN SCIENCE RECOMMENDED READING 2021/2022

These books are suggested reading, NOT obligatory. You may wish to look for pre-owned books on sites such as Amazon, eBay or ABE books. No edition is specified. ISBN numbers are provided for guidance.

On your Science Diploma, you will be studying THREE subjects from the following four:

### BIOLOGY

**Cambridge International A/AS Level Biology Coursebook**, M Jones, R Fosberry, J Gregory and D Taylor, (2014)  
Cambridge University Press, ISBN: 978-1107636828 (an earlier edition will be cheaper)

**Cambridge International A/AS Level Biology Revision Guide**, Hodder Education. M Jones (2010),  
ISBN-13: 978-1444112672

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### CHEMISTRY

**OCR Chemistry A Level Year 1 & AS**. By Dave Gent & Rob Ritchie. Oxford. ISBN: 978-0198351962

**OCR Chemistry A Level Year 2**. By Dave Gent & Rob Ritchie. ISBN: 978-0198357650

#### Alternatives:

**OCR Chemistry 1 (Year 1 & AS)**. By John Older & Mike Smith. Hodder. ISBN: 978-1471827068

**OCR Chemistry 2 (Year 2)**. By John Older & Mike Smith. Hodder. ISBN: 978-1471827068

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### PSYCHOLOGY

**AQA Psychology for A Level Year 1 & AS - Student Book**. By Cara Flanagan, Dave Berry, Matt Jarvis & Rob Liddle. ISBN: 978-1908682406

**AQA Psychology for A Level Year 2 - Student Book** By Cara Flanagan, Dave Berry, Matt Jarvis & Rob Liddle. ISBN: 978-1908682413

**Essential Psychology**. By Philip Banyard, Gayle Dillon, Christine Norman & Belinda Winder. ISBN: 978-1446274828

**Psychology: The Science of Mind and Behaviour**. By Richard Gross. ISBN: 978-1471829734

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### MATHEMATICS

There are no recommended reading books for Mathematics.

## ADDITIONAL NOTES

### Access to HE Biology - How you can prepare...

A good start would be to selectively read the relevant parts of any GCSE biology book, focusing on specific chapters that are relevant to your Access programme. The units you will be studying in Access Biology are: Biochemistry - including carbohydrates, lipids, proteins, enzymes and DNA. Cell Biology - including cell structure and transport across cell membranes. Physiology - including digestion, the heart, the lungs and gas exchange. Inheritance – including DNA, protein synthesis and genetics. Human Disease - including antibodies and vaccination. You can borrow GCSE Biology books from your local library or buy second-hand copies. You can also take advantage of relevant parts of GCSE websites such as the new BBC Bitesize:

**<http://www.bbc.co.uk/education/subjects/z9ddmp3>**

The old BBC Bitesize is also useful: **<http://www.bbc.co.uk/schools/gcsebitesize/biology/>**.

You will also find the GCSE section of S-cool contains much useful information:  
**<http://www.s-cool.co.uk/gcse/biology>**.

To bridge the gap between GCSE and the Access Biology course (Access is at A level standard), you could purchase a copy of the CGP Head Start book: **<https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/biology/bbr71-head-start-to-a-level-biology>** (£4.95)

### Access to HE Chemistry - How you can prepare...

As for Biology, a good start would be to selectively read the relevant sections of any GCSE Chemistry book, focusing on specific chapters. The units you will be studying in Access Chemistry are: Energetics, Kinetics and Redox, Bonding and Reactions, and Organic Chemistry.

This is a very useful site where you will find a great deal of helpful information to prepare for your Access course:  
**<http://www.chemguideforcie.co.uk/>**

You should also visit BBC Bitesize GCSE website to refresh your chemistry knowledge:  
**<http://www.bbc.co.uk/education/subjects/zs6hvcw>**