

READING LIST – SCIENCE

During the course you will be referred to many texts, both science education and school textbooks. We would advise not to buy any school textbooks until you have studied some of them on the course and are able to make a more informed choice. You may, however, find it useful to start looking at some textbooks in bookshops or your local library.

The following is an ideal reference book for secondary science teaching; each chapter contains useful summaries of current issues and examples as well as suggestions for further reading:

M. Hollins (ed). *ASE Guide To Secondary Science Education* 3rd ed

In keeping with the evidence-based nature of the course, the following book from the ASE highlights the contribution of research to science education:

J. Oversby (ed). *ASE Guide to Research in Science Education* 3rd ed

Also highly recommended are subject specialist books from the **ASE Science Practice Series (2012)**

- *Teaching Secondary Biology* 2nd Edition – Editor Michael Reiss
- *Teaching Secondary Chemistry* 2nd Edition – Editor Keith Taber
- *Teaching Secondary Physics* 2nd Edition – David Sang

Books and other resources to help you with subject knowledge:

You will need to enhance your subject knowledge across Biology, Chemistry and Physics at KS3 and your specialism at KS4 and 5. [CGP Revision guides](#) provide you with an overview and are very reasonably priced. In addition to this, we would recommend familiarising yourself with examination board specifications and some some past examination papers, for example at:

<https://www.aqa.org.uk/subjects/science/gcse/biology-8461>,

<https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>, and

<https://www.aqa.org.uk/subjects/science/gcse/physics-8463>

Sites worth looking at:

[The Association for Science Education \(ASE\)](#)

[Institute of Physics](#)

[The Royal Society of Chemistry](#)

[The Royal Society of Biology](#)