

## Other suggested resources

### Cambridge Pre-U Biology (9790)

As well as providing endorsed resources for this syllabus, here we have listed other suggested resources. These suggested resources have not been through the Cambridge quality assurance process but have been found suitable for use with various parts of the syllabus.

This resource list includes website links providing direct access to internet resources. Cambridge is not responsible for the accuracy or content of information contained in these websites. The inclusion of a link to an external website should not be understood to be an endorsement of that website or the site's owners (or their products/services).

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### Books

<b>Title</b>	Collins Advanced Science - Biology
<b>Description</b>	Particularly useful for more able learners, this book includes 'How Science Works' feature boxes, Stretch and Challenge boxes and Science in Context boxes which encourage learners to relate their learning to the world around them. There are summaries at the end of every chapter. 'Test Yourself' questions throughout the text enable learners to monitor their own progress in preparation for exams. There is also a companion website which is free to book users providing extra resources.
<b>Author</b>	Boyle, M and Senior, K
<b>Publisher</b>	Collins
<b>ISBN</b>	9780007267453
<b>Published date</b>	2008
<b>Edition</b>	3
<b>EBook available?</b>	

<b>Title</b>	CIE Biology 1 & CIE Biology 2
<b>Description</b>	Clear, basic diagrams, explanations and learning outcomes directly linked to the specification as well as a variety of questions and activities.
<b>Author</b>	Greenwood, T et al
<b>Publisher</b>	Biozone International
<b>ISBN</b>	9781927309315 & 9781927309322
<b>Published date</b>	2016
<b>Edition</b>	1
<b>EBook available?</b>	Yes

<b>Title</b>	Biological Sciences Review
<b>Description</b>	A series of magazines containing articles directly linked to the A-level Biology syllabus written in a style accessible to students and teachers. Also contains hints and tips on how to answer exam questions in order to improve student achievement.
<b>Author</b>	Various
<b>Publisher</b>	Phillip Allan Magazines
<b>ISBN</b>	9781471800856
<b>Published date</b>	2013
<b>Edition</b>	
<b>EBook available?</b>	Yes

<b>Title</b>	Cambridge International AS and A Level Biology
<b>Description</b>	Excellent coverage of the entire syllabus for AS and A Level Biology using language suitable for international students. Contains practice exam questions.
<b>Author</b>	Clegg, C J
<b>Publisher</b>	Hodder Education
<b>ISBN</b>	9781444175349
<b>Published date</b>	2014
<b>Edition</b>	
<b>EBook available?</b>	Yes

<b>Title</b>	Advanced Biology: Principles and Applications
<b>Description</b>	Excellent coverage of the AS and A2 specifications.
<b>Author</b>	Clegg, C J & Mackean, D G
<b>Publisher</b>	Hodder Education
<b>ISBN</b>	9780719576706
<b>Published date</b>	2000
<b>Edition</b>	2
<b>EBook available?</b>	

<b>Title</b>	Essential Maths Skills for AS/A Level Biology
<b>Description</b>	Clear, basic explanations to aid students with essential maths skills required in Biology.
<b>Author</b>	Foulder, D
<b>Publisher</b>	Philip Allan for Hodder Education
<b>ISBN</b>	9781471863455
<b>Published date</b>	2016
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	How Science Works in Biology AS/A2 Resource Pack: Case Studies in Biological Molecules
<b>Description</b>	Relevant to all new specifications and presenting 20 topics with worksheets that include resources, exercises and questions, this pack aims to develop a range of HSW skills.
<b>Author</b>	Read, G
<b>Publisher</b>	Philip Allan for Hodder Education
<b>ISBN</b>	9780340972441
<b>Published date</b>	2008
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	How Science Works in Biology AS/A2 Resource Pack: Case Studies in Cells, Tissues, Organs and Systems
<b>Description</b>	Relevant to all new specifications and presenting 20 topics with worksheets that include resources, exercises and questions, this pack aims to develop a range of HSW skills.
<b>Author</b>	Read, G
<b>Publisher</b>	Philip Allan for Hodder Education
<b>ISBN</b>	9780340972458
<b>Published date</b>	2009
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	How Science Works in Biology AS/A2 Resource Pack: Case Studies in Exchange and Transport
<b>Description</b>	Relevant to all new specifications and presenting 20 topics with worksheets that include resources, exercises and questions, this pack aims to develop a range of HSW skills.
<b>Author</b>	Read, G
<b>Publisher</b>	Philip Allan for Hodder Education
<b>ISBN</b>	9780340972465
<b>Published date</b>	2009
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	How Science Works in Biology AS/A2 Resource Pack: Case Studies in Exchange and Transport
<b>Description</b>	Relevant to all new specifications and presenting 20 topics with worksheets that include resources, exercises and questions, this pack aims to develop a range of HSW skills.
<b>Author</b>	Read, G
<b>Publisher</b>	Philip Allan for Hodder Education
<b>ISBN</b>	9780340972465
<b>Published date</b>	2009
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	New A Level Biology: Essential Maths Skills
<b>Description</b>	Excellent coverage of all the maths skills required in AS and A-Level Biology Explains Calculations, Graph Skills and Statistics, with clear study notes and step-by-step examples in the context of Biology. Also practice questions for each topic - with answers included at the back of the book.
<b>Author</b>	CGP
<b>Publisher</b>	Coordination Group Publications Ltd
<b>ISBN</b>	9781847623232
<b>Published date</b>	2015
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	Medical Physiology (Advanced Biology Topics)
<b>Description</b>	Suitable for more able learners and providing detailed information for teachers, Medical Physiology is a concise introductory textbook for advanced school and beginning university students. It discusses a range of medical issues that affect the way we live our lives including infectious and inherited diseases, cancer, and diseases of the respiratory system and kidneys.
<b>Author</b>	Aplin, D
<b>Publisher</b>	Cambridge University Press
<b>ISBN</b>	9780521556613
<b>Published date</b>	2008
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	Behaviour (Advanced Biology Topics)
<b>Description</b>	Suitable for more able learners and providing detailed information for teachers, Behaviour describes animal and human behaviour, including environmental influence, behavioural development, courtship and social interaction. It will be of particular interest to students studying a wide variety of biological subjects at A-level, or as part of a vocational or undergraduate course.
<b>Author</b>	Dockery, M
<b>Publisher</b>	Cambridge University Press
<b>ISBN</b>	978-0521597548
<b>Published date</b>	1999
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	Cambridge International AS and A Level Biology Workbook with CD-ROM
<b>Description</b>	The Cambridge International AS and A Level Biology Workbook with CD-ROM supports students to hone the essential skills of handling data, evaluating information and problem solving through a varied selection of relevant and engaging exercises and exam-style questions.
<b>Author</b>	Jones, M & Parkin, M
<b>Publisher</b>	Cambridge University Press
<b>ISBN</b>	9781107589476
<b>Published date</b>	2016
<b>Edition</b>	4
<b>EBook available?</b>	

<b>Title</b>	Cambridge International AS and A Level Biology Course book with CD-ROM
<b>Description</b>	Written in an accessible style with international learners in mind, this easy to navigate text has colour-coded sections to differentiate between AS and A Level content. Self-assessment questions allow learners to track their progression and exam-style questions help learners to prepare thoroughly for their examinations. Contemporary contexts are discussed throughout enhancing the relevance and interest for learners.
<b>Author</b>	Jones, M & Parkin, M
<b>Publisher</b>	Cambridge University Press
<b>ISBN</b>	9781107636828
<b>Published date</b>	2016
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	Photosynthesis – Advanced Biology Study Notes: For Teachers and Students
<b>Description</b>	A structured set of notes for students studying photosynthesis at advanced level. Includes a mock exam at the end of the book. Provides detailed information for teachers.
<b>Author</b>	Williams, A
<b>Publisher</b>	CreateSpace Independent Publishing Platform
<b>ISBN</b>	978-1493588855
<b>Published date</b>	2013
<b>Edition</b>	1.2
<b>EBook available?</b>	

<b>Title</b>	A Level Biology Maths, Written Communication & Key Skills
<b>Description</b>	Build the science, maths and quality of written communication skills needed to succeed at A Level Biology for all the main exam boards. This book explains over 40 key skills in detail and is packed with questions as well as answers, hints and tips to help develop a thorough understanding.
<b>Author</b>	Boyle, M
<b>Publisher</b>	Collins Educational
<b>ISBN</b>	9780007554621
<b>Published date</b>	2014
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	Understanding DNA: The Molecule and How it Works
<b>Description</b>	Detailed information for more able learners and teachers. The third edition of Understanding DNA has been entirely revised and updated, and expanded to cover new advances in our understanding. It explains, step by step, how DNA forms specific structures, the nature of these structures and how they fundamentally affect the biological processes of transcription and replication.
<b>Author</b>	Calladine, C et al
<b>Publisher</b>	Academic Press
<b>ISBN</b>	9780121550899
<b>Published date</b>	2004
<b>Edition</b>	3
<b>EBook available?</b>	

<b>Title</b>	AS Level Biology
<b>Description</b>	Excellent coverage of the AS Biology course. A good narrative for the learner. This text is attractive and easy to use, containing opportunities for assessment and revision.
<b>Author</b>	Bradfield, P, Dodds, J & Taylor, N
<b>Publisher</b>	Longman
<b>ISBN</b>	9780582429468
<b>Published date</b>	2001
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	A2 Level Biology
<b>Description</b>	Excellent coverage of the A Level Biology course. A good narrative for the learner. This text is attractive and easy to use, containing opportunities for assessment and revision.
<b>Author</b>	Bradfield, P, Dodds, J, Dodds, J and Taylor, N
<b>Publisher</b>	Longman
<b>ISBN</b>	9780582429451
<b>Published date</b>	2002
<b>Edition</b>	1
<b>EBook available?</b>	

<b>Title</b>	Cambridge IGCSE Biology Practical Workbook
<b>Description</b>	Written to support teachers and learners of the Cambridge IGCSE syllabus, but contains excellent practical work that would be relevant to a higher-level course.
<b>Author</b>	Broderick, M
<b>Publisher</b>	Cambridge University Press
<b>ISBN</b>	9781316611036
<b>Published date</b>	2016
<b>Edition</b>	3
<b>EBook available?</b>	

<b>Title</b>	Photo Atlas for General Biology
<b>Description</b>	Contains detailed information for teachers and more able learners. <i>The Photo Atlas for General Biology</i> is an excellent source of supplemental information for laboratory and lectures in biology, botany and zoology courses. The atlas provides insight into living organisms that abound all around us but we seldom have the opportunity to study on a gross or microscopic level. New and updated images have been incorporated into this latest edition.
<b>Author</b>	Strete, D & Vodopich, D S
<b>Publisher</b>	McGraw Hill
<b>ISBN</b>	9780078024238
<b>Published date</b>	2014
<b>Edition</b>	4
<b>EBook available?</b>	

<b>Title</b>	Human Physiology
<b>Description</b>	Contains detailed information for teachers and more able learners. The beginning chapters introduce basic chemical and biological concepts to provide students with the framework they need to comprehend physiological principles. Health applications are included throughout the book to heighten interest, deepen understanding of physiological concepts, and help students relate the material to their individual career goals. Every effort has been made to help students integrate related concepts and understand the relationships between anatomical structures and their functions.
<b>Author</b>	Fox, S I
<b>Publisher</b>	McGraw Hill
<b>ISBN</b>	9780077157142
<b>Published date</b>	2013
<b>Edition</b>	13
<b>EBook available?</b>	Yes

<b>Title</b>	Genetics: Analysis & Principles
<b>Description</b>	This book takes an experimental approach to understanding genetics. By weaving one or two experiments into the narrative of each chapter, students can simultaneously explore the scientific method and understand the genetic principles that have been learned from these experiments.
<b>Author</b>	Brooker, R J
<b>Publisher</b>	McGraw Hill
<b>ISBN</b>	9780077147723
<b>Published date</b>	2012
<b>Edition</b>	4
<b>EBook available?</b>	Yes

<b>Title</b>	An Introduction to Genetic Engineering
<b>Description</b>	This book focuses on the fundamental principles used in gene manipulation. It is divided into three sections: Part I provides an introduction to the relevant basic molecular biology; Part II, the methods used to manipulate genes; and Part III, applications of the technology. Contains key word listings, concept maps and a glossary to enable students to tailor their study to suit their own learning styles. Suitable for all abilities but particularly for more able learners.
<b>Author</b>	Nicholl, D S T
<b>Publisher</b>	Cambridge University Press
<b>ISBN</b>	9780521615211
<b>Published date</b>	2008
<b>Edition</b>	3
<b>EBook available?</b>	



<b>Title</b>	AS and A Level Biology Through Diagrams
<b>Description</b>	Each topic is summarized on a single page using annotated diagrams and concise notes with a full index for easy reference. A different approach to learning difficult concepts.
<b>Author</b>	Pickering, W R
<b>Publisher</b>	Oxford University Press
<b>ISBN</b>	978-9812837660
<b>Published date</b>	2009
<b>Edition</b>	1
<b>EBook available?</b>	

### Online resources

<b>Title</b>	Biozone
<b>Website</b>	<a href="http://www.biozone.co.uk/">http://www.biozone.co.uk/</a>
<b>Description</b>	Various books, support material and e-books available for purchase. Simple and excellent student narrative which stretches the more able.

<b>Title</b>	Curriculum Press
<b>Website</b>	<a href="http://www.curriculum-press.co.uk/">http://www.curriculum-press.co.uk/</a>
<b>Description</b>	Subject-specific factsheets for purchase.

<b>Website</b>	Kimball's Biology Pages <a href="http://www.biology-pages.info/">http://www.biology-pages.info/</a>
<b>Description</b>	Online Biology textbook, suitable for all learners.

<b>Website</b>	John Kyrk's Cell Biology Animations <a href="http://www.johnkyrk.com">http://www.johnkyrk.com</a>
<b>Description</b>	Excellent animations of many biological processes for teachers and learners.

<b>Website</b>	School Science Lessons - Biology <a href="http://www.uq.edu.au/School_Science_Lessons/UNBiology1.html#9.1.0H">www.uq.edu.au/School_Science_Lessons/UNBiology1.html#9.1.0H</a>
<b>Description</b>	Lots of information on Plant Biology for teachers and students.

<b>Website</b>	Science and Plants for Schools
	<a href="http://www.saps.org.uk/">http://www.saps.org.uk/</a>
<b>Description</b>	Excellent website on plant biology with good practical investigations. Particularly good teacher resource.
<b>Website</b>	Practical Biology
	<a href="http://www.nuffieldfoundation.org/practical-biology">www.nuffieldfoundation.org/practical-biology</a>
<b>Description</b>	This website is for teachers of biology in schools and colleges. It is a collection of experiments that demonstrate a wide range of biological concepts and processes
<b>Website</b>	National Centre for Biotechnology Education
	<a href="http://www.ncbe.reading.ac.uk">www.ncbe.reading.ac.uk</a>
<b>Description</b>	Source of information, kits and supplies for schools teaching biotechnology, biochemistry and enzymology.
<b>Website</b>	Royal Microscopical Society
	<a href="http://www.rms.org.uk">www.rms.org.uk</a>
<b>Description</b>	Detailed information for teachers and additional reading for the more able student.
<b>Website</b>	The Biology Place
	<a href="http://www.phschool.com/science/biology_place">www.phschool.com/science/biology_place</a>
<b>Description</b>	Supplies links to additional material and also coverage of many basic biological concepts. Suitable for all learners.
<b>Website</b>	The Biology Project
	<a href="http://www.biology.arizona.edu">www.biology.arizona.edu</a>
<b>Description</b>	An interactive online resource for learning biology developed at the University of Arizona. The Biology Project is fun, richly illustrated, and tested on thousands of learners.
<b>Website</b>	Science in School
	<a href="http://www.scienceinschool.org">www.scienceinschool.org</a>
<b>Description</b>	This online journal aims to promote inspiring science teaching by encouraging communication between teachers, scientists, science teachers and everyone else involved in European science education.

<b>Website</b>	The Science Spot
	<a href="http://www.sciencespot.net">www.sciencespot.net</a>
<b>Description</b>	Includes numerous links and covers topics such as trivia, science clubs, starters and other teaching and learning resources.
<b>Website</b>	BBSRC
	<a href="http://www.bbsrc.ac.uk">www.bbsrc.ac.uk</a>
<b>Description</b>	The website of the Biotechnology and Biological Sciences Research Council. Some good teaching resources.
<b>Website</b>	Association of the British Pharmaceutical Industry
	<a href="http://www.abpischools.org.uk">www.abpischools.org.uk</a>
<b>Description</b>	A collection of excellent resources to support the teaching of a wide range of related topics.
<b>Website</b>	Genetic Science Learning Centre
	<a href="http://learn.genetics.utah.edu/">http://learn.genetics.utah.edu/</a>
<b>Description</b>	Produced by the University of Utah, this website has excellent interactive resources for students as well as great teaching resources and lesson plans.
<b>Website</b>	DNA Learning Center
	<a href="http://www.dnalc.org">www.dnalc.org</a>
<b>Description</b>	Produced by the Cold Spring Harbor Laboratory, this website contains laboratory experiments, computer explorations, and an interactive exhibition for students, educators, and the public.
<b>Website</b>	The Biology Corner
	<a href="https://www.biologycorner.com/">https://www.biologycorner.com/</a>
<b>Description</b>	A biology resource site for teachers and students which includes lesson plans, student handouts, PowerPoint presentations and laboratory investigations.
<b>Website</b>	Cells Alive
	<a href="http://www.cellsalive.com">www.cellsalive.com</a>
<b>Description</b>	Visual and interactive tour of cells and their processes. Excellent teaching resource.

<b>Website</b>	Royal Society of Biology
	<a href="https://www.rsb.org.uk/">https://www.rsb.org.uk/</a>
<b>Description</b>	An excellent resources page for teachers which includes links to interactive websites, practical resources and activities.
<b>Website</b>	S-cool
	<a href="http://www.s-cool.co.uk/a-level/biology">http://www.s-cool.co.uk/a-level/biology</a>
<b>Description</b>	Clearly organised revision notes on each topic with questions at the end of each section. Suitable for all learners.
<b>Website</b>	The Bio Web
	<a href="http://www.cellbiol.com/education.php">http://www.cellbiol.com/education.php</a>
<b>Description</b>	Links to Molecular and Cell Biology Web resources for teachers.
<b>Website</b>	Understanding evolution
	<a href="http://evolution.berkeley.edu/">http://evolution.berkeley.edu/</a>
<b>Description</b>	From the University of Berkeley, this website contains an online course, teaching materials and resources for teaching about evolution.
<b>Website</b>	The Wellcome Trust
	<a href="https://wellcome.ac.uk">https://wellcome.ac.uk</a>
<b>Description</b>	Of particular interest is the 'Big Picture' magazine, targeted at students aged 16+ and teachers, which is available to download for free. Each issue focuses on a specific topic of Biology.

\* Science in Context boxes encourage students to relate their learning to the world around them. \* Summaries at the end of every chapter help students with revision. \* Test Yourself questions throughout the text enable students to monitor their own progress in preparation for their exams. \* Remember This boxes highlight the key facts. The website provides the following additional resources: \* Practice questions (and answers) allow students to test their understanding of the material just covered.\* How Science Works assignments allow students to prepare for the How Science Works.