

A – Level Biology Transition Work Year 11 - 12

Course Name: **Biology A-level**

Exam board and qualification: **AQA A-level 7402**

Required Text Book:

- CGP A-Level Biology for AQA: Year 1 & 2 Student Book with Online Edition (CGP A-Level Biology) Paperback, ISBN 9781782943143

Additional resources (optional):

- CGP A Level Biology: AQA Year 1 & 2 Complete Revision & Practice with Online Edition, ISBN: 9781789080261
- CGP A Level Biology: AQA Year 1 & 2 Exam Practice Workbook, ISBN 9781782949107
- CGP A Level Biology: Essential Maths Skills, ISBN 9781847623232

We would advise you to look carefully at these products before purchasing to ensure they suitable!!

Recommended reading prior to course commencement optional):

- CGP Head Start to A – Level: Bridging the gap between GCSE and A-Level, ISBN 1782942793

This book is a great stepping stone from GCSE. Sections such as 'Biological molecules' and 'Cells' would help you be more prepared and confident for the first few lessons/topics!

Recommended additional reading (optional throughout the course):

Scientific Journals

- New Scientist
- Nature
- Biological Sciences Review
- Scientific American
- British Medical Journal
- Articles in papers such as Guardian

Websites (further reading):

- Nature - www.nature.com
- Royal Society - www.royalsociety.org
- Royal Society of Bio – www.rsb.org.uk
- National History Museum – www.nhm.ac.uk
- British Medical Journal – www.bmj.com
- Microbiology Society – www.microbiologysociety.org
- British Society for Genetic Medicine – www.bsgm.org.uk
- TED Talks – www.ed.ted.com

Books

- Richard Dawkins – The Selfish Gene, The Blind Watchmaker, Unweaving the Rainbow, The Ancestor's Tale
- Steve Jones – Y: The Descent of Man, In the Blood: The 'Origin of the Species' updated, The Language of the Genes
- Matt Ridley – Genome: The Autobiography of a Species, Nature vs Nurture: Genes, Experience & What Makes Us Human
- Richard Leaky – The Origin of Humankind
- Bill Bryson – A Short History of Nearly Everything
- Jonathan Kennedy – Pathogenesis
- Ed Yong – An Immense World
- Thomas Halliday – Otherlands
- Siddhartha Mukherjee – The Song of the Cell, The Gene: An Intimate History
- Max Nieuwdorp – The Power of Hormones
- Yuval Noah Harari – Sapiens: A brief history of humankind, Homo Deus: A Brief history of tomorrow, 21 Lessons for the 21st Century Nexus
- James Kinross – Dark Matter: The new science of the microbiome

With all books, we suggest picking an area of Biology you are interested in as it's a vast subject with some fantastic authors releasing book regularly. If there's an area of Biology you are interested in, that is not reflected in the lists above, please speak to your teacher(s) who can guide you to further additional reading!

Websites (revision & past papers):

- Save my Exams – www.savemyexams.com
- Physics and Maths Tutor – www.physicsandmathstutor.com
- Seneca – www.senecalearning.com
- MME Revise – www.mmerevise.co.uk
- Cognito – www.cognitoedu.org
- Free Science Lessons – www.freesciencelessons.co.uk
- Miss Estruch – www.missestruch.co.uk
- Revisely – www.revisely.com
- AQA - www.aqa.org.uk/subjects/science/as-and-a-level/biology-7401-7402/assessment-resources

Summer Tasks:

1. Go to Seneca and complete the Biology: AQA A Level Preparation Course
<https://app.senecalearning.com/classroom/course/76917ca0-ac10-43c9-8742-e49b861417b2>
2. Complete the AQA Practical Endorsement Training <https://analytics.clickdimensions.com/aqaorguk-acja4/pages/i3ijwyt2eeibtahg25egq.html>. To complete this, you need an email address and the following information:

Role: Teacher

Centre Number: 40515

School Name: All Hallows Catholic College

Postcode: SK11 8LB

You need to keep attempting the training until you pass. Once passed, you should print out the certificate and bring it into your first lesson.

3. Read one of the books or articles from a scientific journal of your choice on the recommended reading list and write a 300-500 word summary account of this ready to share with others in your class when you start in September.

Any questions, email e.lancaster@allhallows.org.uk