

Biology

Reading list

Magazines, Newspapers and Journals

- New Scientist
- Scientific American
- Nature
- Science
- Biological Sciences Review
- British Medical Journal (BMJ)
- Any scientific articles in newspapers (eg the Guardian on Wednesday)

Books

- CGP revision guide and workbook for A Level Biology

Useful websites

For course content

- <http://biologymad.com/master.html?http://biologymad.com/usefulwebsites/usefulwebsites.htm> - links to lots of different Biology related activities/websites
- www.s-cool.co.uk – simplified summary notes on key content and some short review Qs
- www.mathsmadeeasy.co.uk – variety of worksheets/summary booklets with exam style questions for every topic on the course
- www.physicsandmathstutor.com – similar to mathsmadeeasy but has summary notes and also access to all the previous AQA past papers
- <https://primrosekitten.org/a-level-biology/> - revision style quizzes covering sub-sections of each topic
- <https://www.youtube.com/channel/UC8pOYw9kw8z9uOKgAZ7ki8w> - Snaprevise, link to their youtube channel with lots of short videos explaining key concepts
- www.freesciencelessons.co.uk – Videos and worksheets on Biological molecules (unit 1 of AS)
- <http://www.ibiblio.org/virtualcell/index.htm> – An interactive cell biology site
- <http://www.uq.oz.au/nanoworld> – Visit the world of electron-microscopy
- <http://www.dnai.org/a/index.html> – Explore the genetic code

For additional reading/knowledge on current affairs

- <http://www.accessexcellence.org/RC/VL/GG> – A web site showing illustrations of many processes of biotechnology
- <http://nobelprize.org> – Details of the history of the best scientific discoveries
- <http://royalsociety.org> – Podcasts, news and interviews with scientists about recent scientific developments

- <http://www.nhm.ac.uk> – The London Natural History Museum’s website with lots of interesting educational material
- [http://www.bbc.co.uk/news/science and environment](http://www.bbc.co.uk/news/science_and_environment) - The BBC news page for Science and the Environment

Films and documentaries to watch

- Any/all David Attenborough documentaries – lots on Youtube and BBC iplayer (including series like Planet Earth and Blue Planet)
- March of the Penguins (2005) – Behaviours of migration
- Contagion (2011) – Understanding of spread of disease and development of vaccines
- The Immortal life of Henrietta Lacks (2017) – Understanding of how we have been able to study tissues using the cells of a deceased lady.
- Osmosis Jones (2001) – Animation explaining the bodies immune response
- Darwin’s Struggle: The evolution of Origin of Species (2009) – Ideas about how natural selection was theorise
- Botany of Desire (2001) – concepts of genetic engineering and ecology of plants discussed

Transition tasks

- Complete the “Head start to A Level Biology” booklet by answering all the summary Qs at the end of each chapter
- Complete the AQA Transition Guide: Biology by answering all the questions in Activities 1-11
- Make notes about a current development in Biology
[https://www.sciencedaily.com/news/plants animals/developmental biology/](https://www.sciencedaily.com/news/plants_animals/developmental_biology/) - this website is a good place to find articles on recent developments OR make notes after watching a TED talk <https://www.ted.com/topics/biology>