



Christopher Whitehead Language College and Sixth Form A-Level Biology Reading and Resource List

Exam board resources: <http://www.ocr.org.uk/qualifications/as-a-level-gce/as-a-level-gce-biology-a-h020-h420-from-2015/>

Core texts available through Parent Pay and other sellers:

BRAR72Biology Yr1+2 Complete revision and practice with online ed£9.00

BRATB52Biology Student Year 1 textbook with online edition£10.00

BRATB62Biology Student Year 2 textbook with online edition£10.00

BMR71 Essential maths skills for biology£3.50

BBR71Head start to A Level biology£2.50

Other requirements:

Lab coats are required for all A Level Biologists

Year 12 will participate in a 2 day non-residential (approx. cost £70)

Wider reading to support independent study:

Students are strongly advised to consult a range of titles from the list below, many of which are available new or second hand online or to loan from the Hive Library:

Richard Dawkins:

The Selfish Gene
The Blind Watchmaker.
Unweaving the Rainbow
Climbing Mount Improbable
The Ancestor's Tale

Steve Jones:

Y: The Descent of Men
In the Blood: God, Genes and Destiny
Almost Like a Whale: The 'Origin of Species' Updated
The Language of the genes

Matt Ridley

Genome: The Autobiography of a Species in 23 Chapters
The Red Queen: Sex and the Evolution of Human Nature
The Language of Genes

Francis Crick: Discoverer of the Genetic Code
Nature Via Nurture: Genes, Experience and What Makes Us Human

James Watson:

DNA: The Secret of Life

The Double Helix: Personal Account of the Discovery of the Structure of DNA

Lewis Thomas:

The Lives of a Cell: Notes of a Biology Watcher.

The Medusa and the Snail: More Notes of a Biology Watcher
Barry Gibb: The Rough Guide to the Brain (Rough Guides Reference Titles)

Charles Darwin: The origin of species

Armand Marie Leroi: Mutants: On the Form, Varieties and Errors of the Human Body

David S. Goodsell: The Machinery of Life

Ernst Mayr: This Is Biology: The Science of the Living World

George C. Williams: Plan and Purpose in Nature

Steve Pinker: The Language Instinct

Edward O Wilson: The Diversity of Life

Primo Levi: The Periodic Table

Richard Leaky: The Origin of Humankind

Bill Bryson: A Short History of Nearly Everything

Journals:

New Scientist

Scientific American

Nature

Science

Biological Sciences Review

British Medical Journal

Any scientific articles in newspapers (e.g. the Guardian on Wednesday)

Useful online revision sites:

- <http://www.ibiblio.org/virtualcell/index.htm> – An interactive cell biology site
- <http://www.accessexcellence.org/RC/VL/GG> – A web site showing illustrations of many processes of biotechnology

- <http://www.uq.oz.au/nanoworld> – Visit the world of electron-microscopy
- <http://www.dnai.org/a/index.html> – Explore the genetic code
- <http://nobelprize.org> – Details of the history of the best scientific discoveries
- <http://nature.com> – The site of the scientific journal
- <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.bmj.com> – The website of the British Medical Journal
- http://www.bbc.co.uk/news/science_and_environment - The BBC news page for Science and the Environment
- https://www.youtube.com/results?search_query=crash+course+biology Online videos for all A Level content
- <https://www.khanacademy.org/> Revision for all A Level content