

A Suggested Reading List for A Level Biologists

Magazines, Newspapers and journals

New Scientist (available in the school library)

Scientific American

Nature

Science

Biological Sciences Review (available in the school library)

Any scientific articles in newspapers (e.g. Guardian for Ben Goldacre and George Monbiot)

Websites

- <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
- www.ted.com/talks - A searchable catalogue on a variety of topics including a huge selection on biological sciences
- www.youtube.com – There are several channels that students have found useful for revision and support. For example; Crashcourse biology, Bozeman Science, Handwritten tutorials, Khanacademymedicine
- www.physicsandmathstutor.com – despite the name has a great selection of revision resources for all sciences including biology.
- www.snaprevise.com – this requires a subscription to access the full content but many students have found this to be a valuable resource for revision.

Books

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.

Brian Cox:

Wonders of Life

Human Universe

Ben Goldacre:

Bad Science

Bad Pharma

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

Richard Leaky: The Origin of Humankind

Bill Bryson: A Short History of Nearly Everything

George Monbiot: Rewilding

Yuval Noah Harari: Sapiens A Brief History of Humankind