

KS5 Reading List for Biology

Biology reading/watching/listening list – there are many more, these are ideas to get you started:

Books

1. David Attenborough - Has written at least 30 books – read any/all of them!
2. Jean-Dominique Bauby - The Diving Bell and the Butterfly
3. Bill Bryson - A Short History of Nearly Everything
4. Nessa Carey - Junk DNA: A Journey Through the dark, Matter of the Genome and The Epigenetics Revolution
5. Daniel Chamovitz - What A Plant Knows
6. Paul Colinvaux - Why big fierce animals are rare
7. Brian Cox - Wonders of Life & Human Universe
8. Francis Crick - Nature Via Nurture: Genes, Experience and What Makes Us Human
9. Charles Darwin - On The Origin Of Species
10. Richard Dawkins - The Selfish Gene, The Blind Watchmaker, Unweaving the Rainbow, Climbing Mount Improbable, The Ancestor's Tale
11. Jared Diamond - The Third Chimpanzee, Guns, Germs, and Steel, Collapse, The World Until Yesterday & Upheaval
12. Richard Fortey - Life, an unauthorised biography & Trilobite, witness to evolution
13. Barry Gibb - The Rough Guide to the Brain (Rough Guides Reference Titles)
14. Ben Goldacre - Bad Science & Bad Pharma
15. David S. Goodsell - The Machinery of Life
16. Yuval Noah - Harari Sapiens A Brief History of Humankind
17. Lyanda Lynn - Haupt Crow Planet: Essential Wisdom from the Urban Wilderness
18. Ivan Illich - Limits to Medicine, Medical Nemesis, the expropriation of health
19. 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
20. Richard Leaky - The Origin of Humankind
21. Armand Marie Leroi - Mutants: On the Form, Varieties and Errors of the Human Body
22. Ernst Mayr - This Is Biology: The Science of the Living World
23. George Monbiot – Rewilding
24. Steve Pinker - The Language Instinct
25. Matt Ridley - Genome: The Autobiography of a Species in 23 Chapters, The Language of Genes
26. Alice Roberts - The Incredible Human journey -The Incredible Unlikelihood of Being Human, Evolution the Human Story

27. Steven Rose - Chemistry of life
28. Sonia Shah – Pandemic
29. James Watson - DNA: The Secret of Life, The Double Helix: Personal Account of the Discovery of the, Structure of DNA
30. Christie Wilcox - Venomous: how Earth's deadliest creatures mastered biochemistry
31. George C. Williams - Plan and Purpose in Nature
32. Edward O Wilson - The Diversity of Life

Consider becoming a member of the Royal Society of Biology. The student grade membership is called 'Bionet' and includes a subscription to the e-magazine 'The Biologist' (costs £5 per year). <https://www.rsb.org.uk/membership/individual-membership/bionet>

Magazines, newspapers and journals – (some require subscription):

- Biological Sciences Review Biological Sciences Review - Hodder Education Magazines - <https://www.hoddereducationmagazines.com/magazines/biological-sciences-review/>
- Scientific American Scientific American: Science News, Expert Analysis, Health Research - Scientific American - <https://www.scientificamerican.com/>
- Science Science | AAAS - <https://www.science.org/>
- British Medical journal Discover the latest clinical knowledge and opinion | BMJ Journals - <https://journals.bmj.com/home>
- New Scientist <http://www.newscientist.com/>
- Nature <http://www.nature.com/index.html>
- Most major newspapers have a weekly scientific section: (e.g. Guardian on Wednesday) <http://www.guardian.co.uk/science>
- Catalyst Catalyst Magazine - Issue 43 (catalyst-magazine.org) - <https://catalyst-magazine.org/>
- Planet Earth <http://planetearth.nerc.ac.uk/>

Websites:

- <http://www.ibiblio.org/virtualcell/index.htm> An interactive cell biology site
- <http://www.dnai.org/a/index.html> Explore the genetic code
- <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 The BBC news page for Science and the Environment
- <https://www.stem.org.uk/big-picture> Big Picture | STEM A magazine style website covering key areas of interest to A level Biologists
- <https://www.eventbrite.co.uk/d/online/free--events/biology/?page=1> Eventbrite online lectures (has a broad search result)

- https://www.ted.com/playlists/163/7_talks_to_make_you_love_scienc TED Talks 7 talks to make you love science | TED Talks
- <https://www.bbc.co.uk/news/health> BBC News Health - BBC News

Podcasts:

- <https://www.newscientist.com/podcasts/>
- <https://podcasts.ox.ac.uk/keywords/biology>
- <https://soundcloud.com/guardianscienceweekly>
- https://blog.feedspot.com/environmental_podcasts/

People/sites to find and follow on X (twitter), Instagram etc:

- IFLscience (for the latest science news with humour)
- Dr Karl Kruszelnicki (wacky Australian)
- Ernstedzard (researcher into alternative medicine from uni of Exeter)
- Doctor.brein (neuroscientist)
- Microbialecolgy (Hunter Hines, posts lots of videos of tiny things taken down a microscope)