



# WIDER READING & DISCOVERY

## Resource List for A-Level Sciences

One of the best ways you stand out during your Sixth Form studies is through the amount of independent study you undertake outside of the classroom.

Regardless of your future plans, the ability to extend yourself and research independently into your interests is an invaluable skill – this will support your university applications and/or future job applications and interviews. All universities expect more than just classroom knowledge, which is where super-curricular activities come in; these are academic enrichment tasks that show you are interested in your studies beyond the school syllabus.

This 'Discovery List' has been put together to help you develop your interests not only in your chosen fields of study, but also in the wider world around you.



### iTunes U

- Free podcasts, video lectures, reading recommendations
- A whole range of resources from leading universities (Oxford, Yale)



### YouTube

- There is lots of helpful and insightful information on YouTube.
- Did you also know that YouTube has a dedicated educational channel, EDU?



### Radio 4

- Excellent range of archive material
- Recommended – Thinking Allowed / A History of the World / In Our Time

**coursera**



### Newspapers

- Some online versions are free
- Read more than one to develop your critical skills



## General Resources



### TED

- Watch talks from experts from a variety of fields

**edX**

[www.edx.org](http://www.edx.org)



### MOOCs

Massive Open Online Courses

- These online courses provide videos, reading lists and activities – you often don't need to formally complete the course

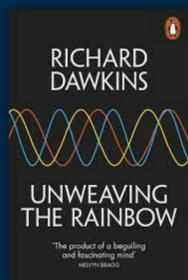
**Future Learn**



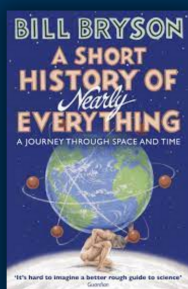
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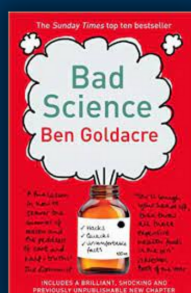
### General Science



Richard Dawkins  
*Unweaving the Rainbow*



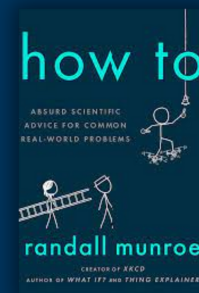
Bill Bryson: A  
*Short History of Nearly Everything*



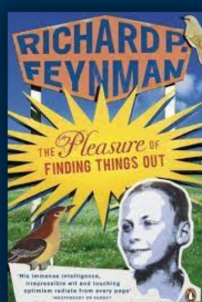
Ben Goldacre:  
*Bad Science*



Randall Munroe:  
*What if?*



Randall Munroe:  
*How to*



Richard Feynman:  
*The Pleasure of Finding Things Out*



New Scientist: *The origin of (almost) everything*

### Journals / Magazines

- New Scientist
- BBC Science focus
- Popular science
- Wired



### Places to Visit

- The discovery museum. Newcastle upon Tyne
- Science museum. London
- History of science museum. Oxford
- Natural history museum. London

### Useful Websites

- <https://royalsociety.org/>
- <https://www.iflscience.com/>
- <https://science.howstuffworks.com/>
- <https://www.livescience.com/62824-about-us.html>
- <https://www.newscientist.com/>
- <https://nationalgeographic.com/>
- <http://nobelprize.org>
- <http://www.nhm.ac.uk> – The London Natural History Museum's website with lots of interesting educational material

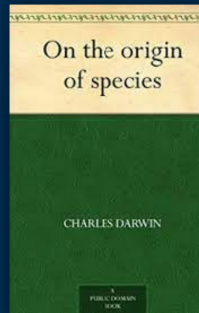


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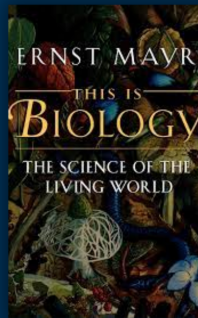
## Resource List for Biology



Ben Goldacre:  
*Bad pharma*



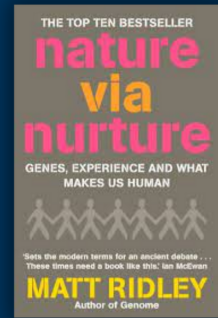
Charles Darwin:  
*The origin of species*



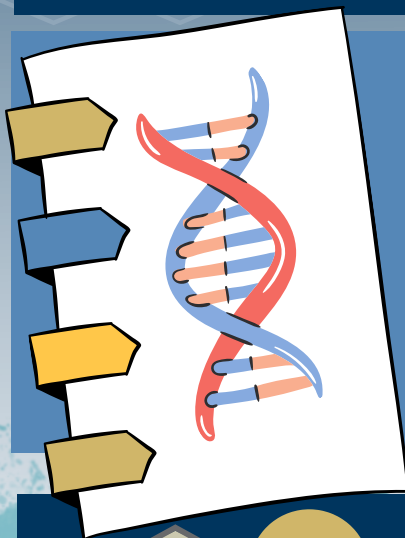
Ernst Mayr:  
*This Is Biology*



Rachel Carson:  
*Silent Spring*



Matt Ridley:  
*Nature Via Nurture*



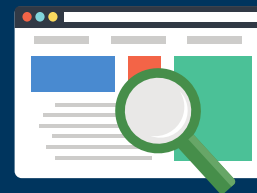
### Journals / Magazines

- Biological Sciences Review
- Nature
- BBC Wildlife
- Geographical
- British Medical Journal



### Places to Visit

- Natural history museum. London
- Biology Collection. Chelmsford City Museum
- The Francis Crick Institute. London
- National marine aquarium. Plymouth



### Useful Websites

- [www.rsb.org.uk](http://www.rsb.org.uk) Royal Society of Biology
- <https://www.mba.ac.uk/> Marine Biological Association
- [nature.com](http://nature.com)
- [bodyworlds.com](http://bodyworlds.com)

