



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



General Resources



www.edx.org



Newspapers

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



TED

- Watch talks from experts from a variety of fields



MOOCs

Massive Open Online Courses

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

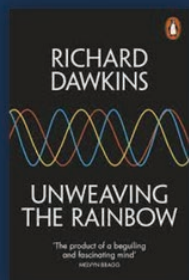




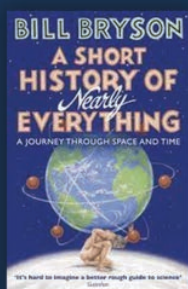
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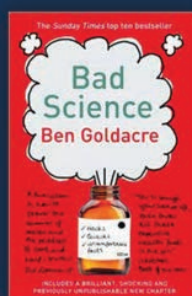
General Science



Richard Dawkins
Unweaving the Rainbow



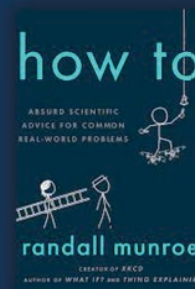
Bill Bryson: A
Short History of Nearly Everything



Ben Goldacre:
Bad Science



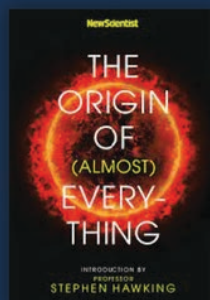
Randall
Munroe:
What if?



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

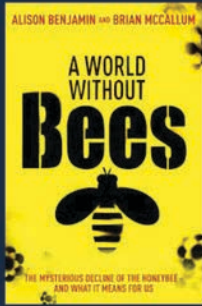
Useful Websites

- <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

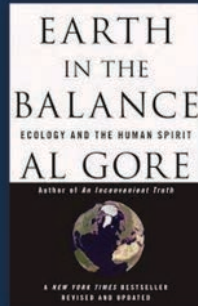


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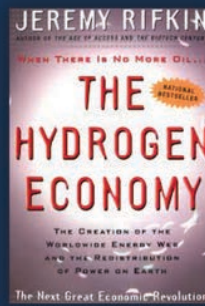
Resource List for Environmental Science



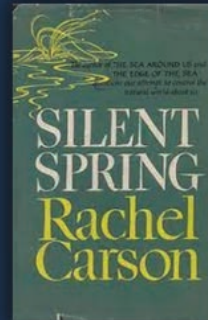
Alison Benjamin
Brian McCallum
A world without Bees.



Al Gore:
Earth in the balance.



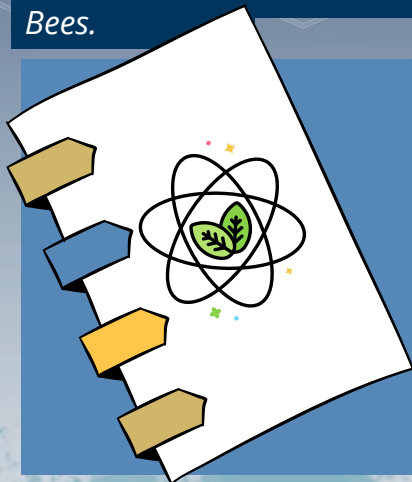
Jeremy Rifkin:
The Hydrogen economy.



Rachel Carson:
Silent Spring



Joel Cohen: *How many people can the World support?*



Journals / Magazines

- Nature
- BBC Wildlife
- Geographical
- Frontiers in environmental science



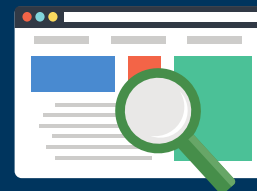
Documentaries

- Planet Earth
- Frozen Planet
- The Blue Planet
- Extinction: The facts



Places to Visit

- Natural history museum. London
- Biology Collection. Chelmsford City Museum
- National marine aquarium. Plymouth



Useful Websites

- www.bbc.co.uk/news/science_and_environment
- nature.com
- <https://www.wildlifetrusts.org/>
- <https://www.wwf.org.uk/>
- <https://www.environmentjob.co.uk>
- <https://conservationfoundation.co.uk/>

