

Super-Curricular Guide: Biology



What Does UCAS Say...?

Entry Requirements:

A levels – To get on to a biology-related degree, you will usually require at least two A levels, including biology and preferably chemistry. Entry requirements range from CCC to AAA, with the universities and colleges most commonly asking for BBB. You will also need five GCSEs (A – C) including science, English, and maths.

For sports science degrees, you generally require a science subject (biology or human biology preferred), while for psychology degrees, some universities may prefer/require one science subject.

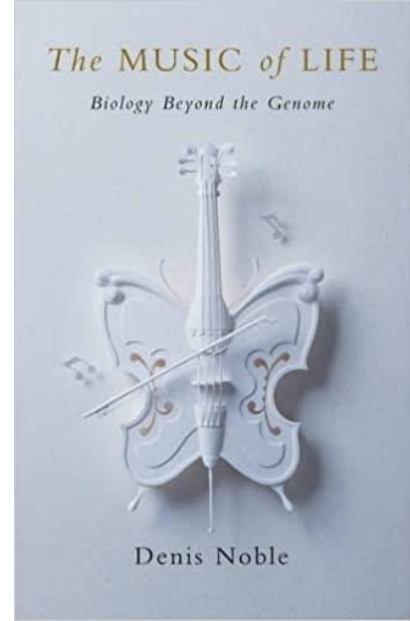
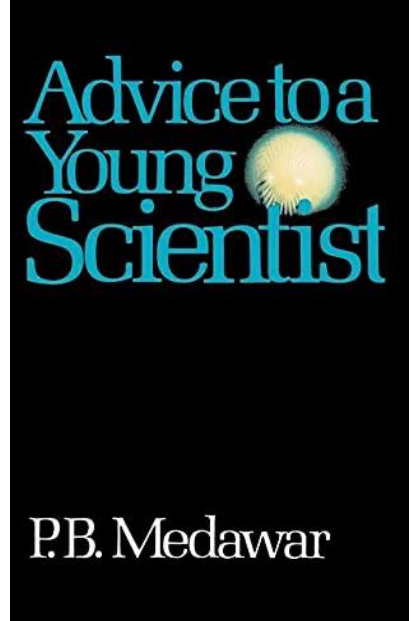
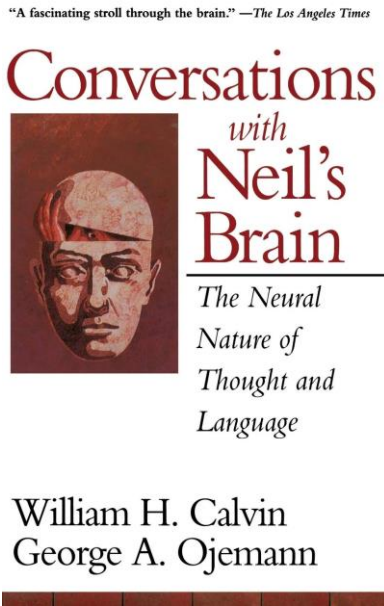
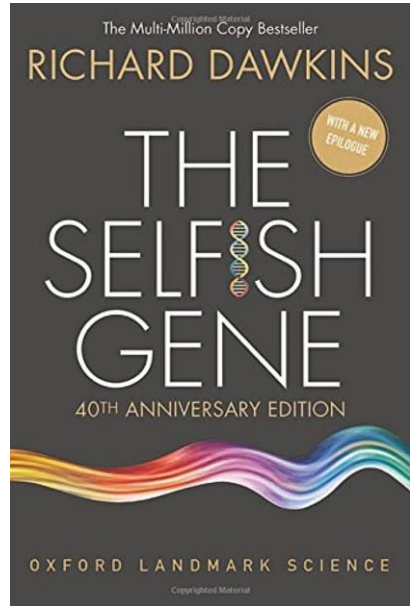
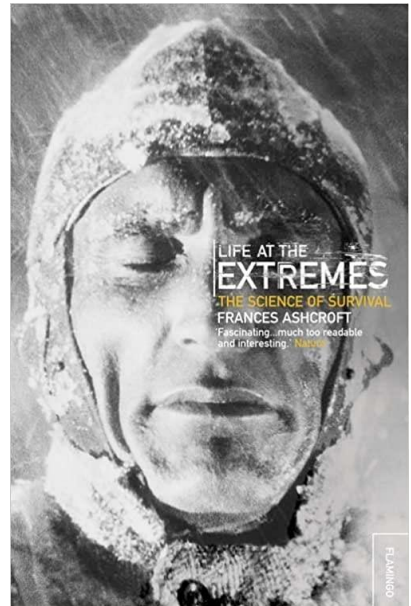
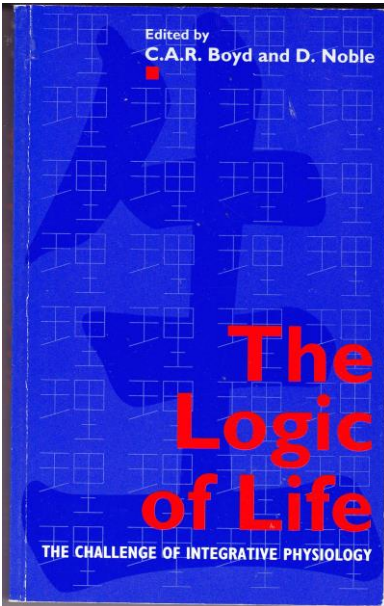
Other than chemistry, physics, and maths, universities may consider the following as science subjects: psychology, environmental studies, geography and geology, computer science, PE, and sports science. Always check with admissions departments.

You may be invited to attend an open day, part of which can include a small group exercise led by academic staff, at which you will be asked to talk about a relevant biological or biomedical topic and discuss it with other members of the group.





Read!



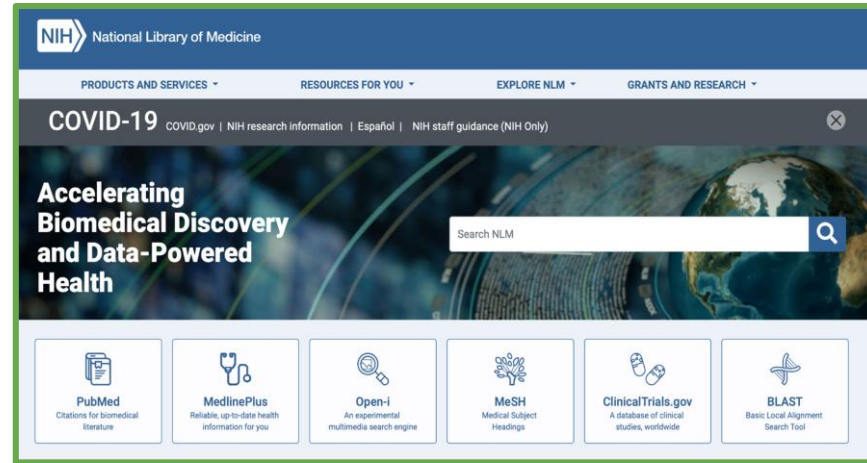


Click!

Stories

We tell stories about health and human experience. Our words and pictures make connections, provoke new thinking and share lived experiences. [Propose a story to us.](#)

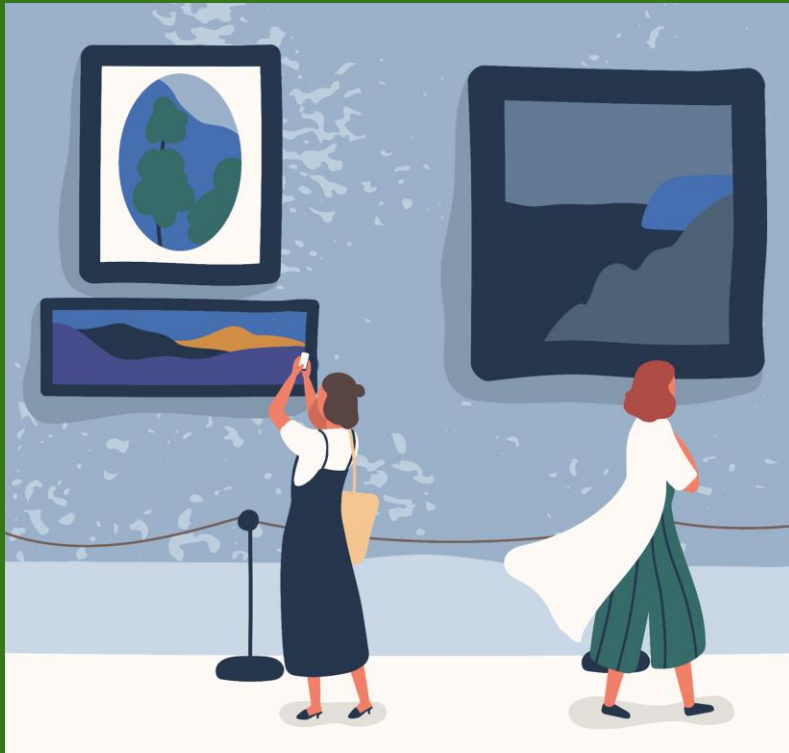
<https://wellcomecollection.org/stories>



<https://www.nlm.nih.gov/>



Virtual tour of Galapagos:
<https://www.openculture.com/2013/09/google-s-new-virtual-tour-of-the-galapagos-islands.html>



Visit!

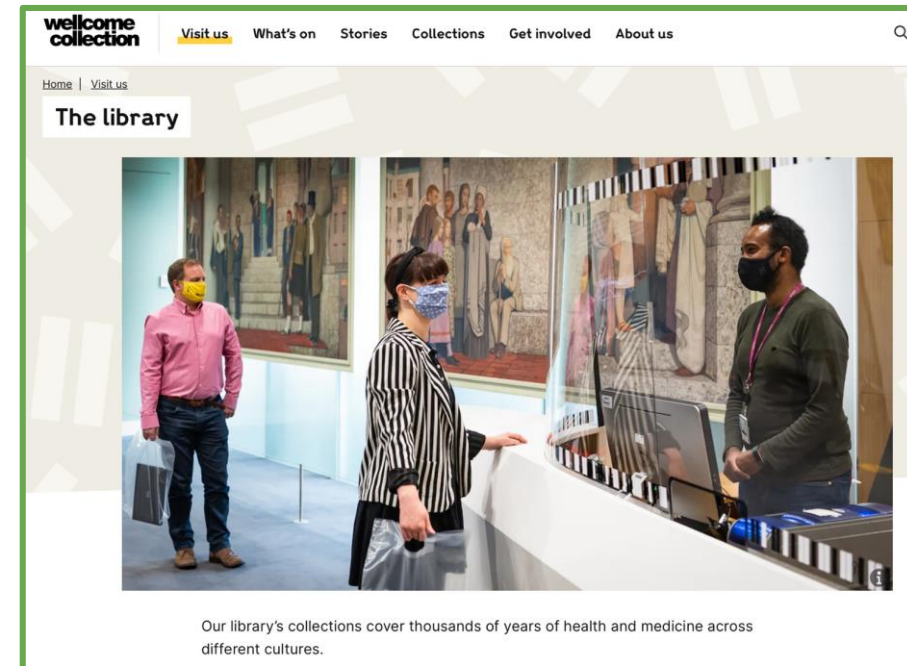


Visit The Natural History Museum for free!!

<https://www.nhm.org.uk/visit.html>

<https://wellcomecollection.org/pages/Wuw19yIAAK1Z3Smm>

Check out local universities for public biology lectures!





Watch!

CARBON

CHEMISTRY & ENERGY

Biology

CrashCourse
41 videos 27,160,054 views Last updated on 21 Aug...

Play all Shuffle

In 40 videos, Hank Green teaches you biology! This course is based on the AP Biology curriculum and also covers some introductory anatomy. By the end of this course, you will be able to:

- * Recognize the chemicals, molecules, and structures that make up living things
- * Understand the processes that keep organisms alive and drive cellular reproduction
- * Identify evidence of evolution and explain its role in speciation, development, and anatomy
- * Describe the characteristics of the different kingdoms and some phyla that make up the taxonomy of living things
- * Predict how the interactions between molecules, cells, organisms, and populations contribute to larger systems

<https://www.youtube.com/playlist?list=PL3EED4C1D684D3ADF>

BBC - Our Secret Universe The Hidden Life of the Cell

Educational documentaries Follow

There is a battle playing out inside your body right now. It started billions of years ago and it is still being fought in every one of us every minute of every day. It is the story of a viral infection - the battle for the cell.

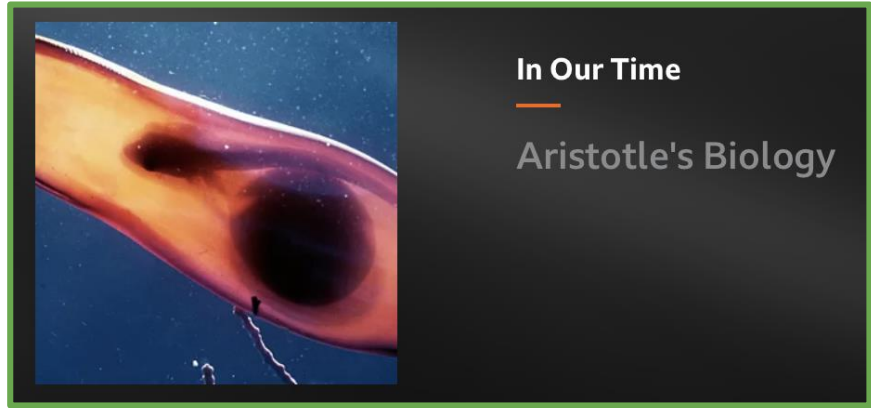
<https://www.bbc.co.uk/programmes/b08ghp29>

<https://www.ted.com/talks?sort=newest&topics%5B%5D=biology>

<p>Michael Middelbrooks The fantastically weird world of photosynthetic sea slugs Posted Mar 2023</p>	<p>Saud Bhamla The fascinating physics of insect pee Posted Feb 2023</p>	<p>Shannon N. Tessier Can you freeze your body and come back to life? Posted Feb 2023</p>	<p>Shannon Odell When are you actually an adult? Posted Jan 2023</p>	<p>Miles Zhang The bizarre world of parasitic wasps Posted Jan 2023</p>	<p>Colin Auwritt How to harness the ancient partnership between forests and fungi Posted Jan 2023</p>
<p>Glynnis Hood Why do beavers build dams? Posted Jan 2023</p>	<p>Christine Blume How daylight could help you sleep Posted Dec 2022</p>	<p>Sofia Crespo AI-generated creatures that stretch the boundaries of imagination Posted Nov 2022</p>	<p>Jason W. Chin A virus-resistant organism — and what it could mean for the future Posted Oct 2022</p>	<p>Kenny Coogan This weird trick will help you summon an army of worms Posted Jul 2022</p>	<p>Liesbeth Demmayer What causes yeast infections, and how do you get rid of them? Posted Jul 2022</p>
<p>Noah R. Bressman and Douglas Fudge The world's slimiest animal Posted Jul 2022</p>	<p>Lucy Cooke What can animals teach us about sex and gender? Posted Jul 2022</p>	<p>Tierney Thys and Christian Sardet Meet the microbes that could eat your trash Posted Jul 2022</p>	<p>Judy Grisel How does alcohol cause hangovers? Posted Jul 2022</p>	<p>Grace Smith-Viduarre and Tim Wright Why can parrots talk? Posted Jun 2022</p>	<p>Luka Scamus Wright These animals are also plants ... wait, what? Posted Jun 2022</p>



Listen!



In Our Time

Aristotle's Biology

<https://www.bbc.co.uk/sounds/play/m0002cfd>

<https://www.microbe.tv/twim/>



<https://www.bigbiology.org/episodes>

<https://www.indefenseofplants.com/podcast>



UK Biology Competitions

UKBC encourages the study of biology at all levels by providing biology competitions for secondary school students

BIOLOGY CHALLENGE

INTERMEDIATE BIOLOGY OLYMPIAD

BRITISH BIOLOGY OLYMPIAD

<https://ukbiologycompetitions.org/>

SET Awards

The Royal Society of Biology supports and judges the Best Biology Student category of the **SET Awards**, Europe's top important awards for science and engineering undergraduate students.

The Royal Society of Biology Prize

We support **The Big Bang Fair** through sponsorship of the bioscience disciplinary Crest Award. This prize is awarded to the individual that produces the best project in the biological sciences. The winner receives £500, a certificate and an experience prize.

Top Bioscience Award

We recognise the achievements of outstanding undergraduate biology students by awarding the Top Bioscience Student Award to the student with the highest overall grade in a bioscience subject. **Contact us** for more information.

<https://www.rsb.org.uk/education/teaching-resources/secondary-schools/school-competitions#:~:text=The%20Royal%20Society%20of%20Biology%20Prize,certificate%20and%20an%20experience%20prize.>



Compete!



Experience!

ANTHONY NOLAN saving the lives of people with blood cancer


What we do Help save a life For patients and families

Donate > Join the register > Q

Home > Help Save a Life > Volunteer Find Your Lifesaving Role > Get More Involved

Laboratory volunteer

Would you like to be involved in the process of saving a life? Have an eye for detail and a love for admin? You could make a great laboratory volunteer.



What will you be doing?

You'll be helping to process the swab samples that come in to our laboratory in Hampstead, London from new potential stem cell donors. It's an admin-based role which you'll carry out on weekdays in slots lasting four hours.

Contents

- Patient Appeals ▾
- Donate money ▾
- Volunteer - find your lifesaving role ▲
- Youth Volunteering ▾
- Short and sweet ▾
- Get more involved ▲
 - Donor visitor volunteer
 - Something more regular ▲
 - Laboratory volunteer
 - Volunteer Courier
 - Volunteer Insight Program (partnered with UEL)
- The Hero Project ▾
- Join the stem cell register ▾
- You've donated! What happens next? ▾




NATURAL HISTORY MUSEUM

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Volunteer



Our volunteers are vital in supporting the Museum's work. We have a range of exciting opportunities for you to get involved both with the public and behind the scenes.

More than 500 people donate their time to engage visitors in our galleries and support our scientists and the collections.

Our volunteering, internship and work experience programmes are designed to inspire and benefit those taking part as much as they support the Museum. All opportunities have flexible commitment requirements and aim to provide a rewarding and enriching experience for all.

Current opportunities

Opportunities for volunteers are advertised in our [Volunteer portal](#). If no opportunities are currently shown, you can sign-up for our mailing list.

Search opportunities

<https://www.anthonynolan.org/help-save-a-life/volunteer-find-your-lifesaving-role/get-more-involved/something-more-regular-0>

<https://www.nhm.ac.uk/take-part/volunteer.html>

Keep a Super-Curricular Activities Record for Personal Statement and Interviews

- What did you do?
- What was interesting, significant and relevant?
- How was your perception or view of the subject matter changed?
- What did you agree or disagree with and why?
- What further questions were raised?
- What could you do to explore these questions further?
- What skills or understanding were developed?

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