



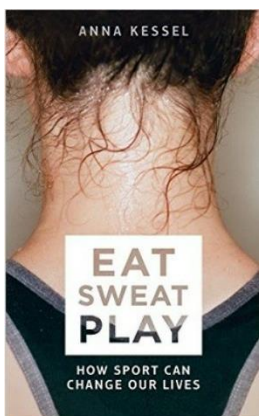
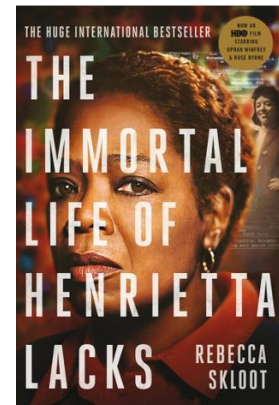
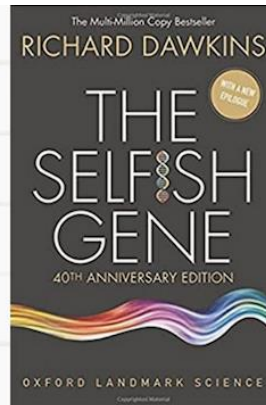
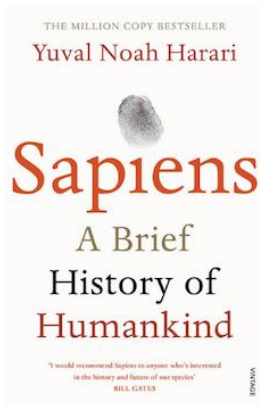
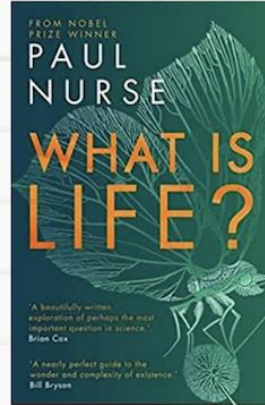
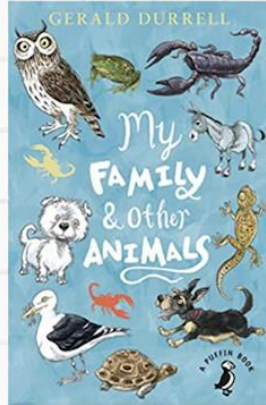
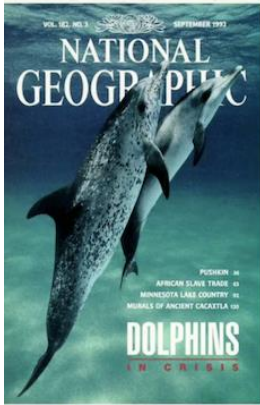
STRATFORD GIRLS' GRAMMAR SCHOOL

STRATFORD-UPON-AVON

Shaping Futures



BIOLOGY BOOKS



BIOLOGY PODCASTS



These podcasts from the **University of Oxford** explore some of the countless relationships between biology, biodiversity, and geology, past and present.

<https://podcasts.ox.ac.uk/keywords/biology>



The Infinite Monkey Cage is a BBC Radio 4 comedy and popular science series. Hosted by physicist Brian Cox and comedian Robin Ince, *The Independent* described it as a "witty and irreverent look at the world according to science"

<https://www.bbc.co.uk/programmes/b00snr0w>

SCIENTIFIC
AMERICAN®



Tune in every week for quick, fascinating new developments and dives in the world of science.

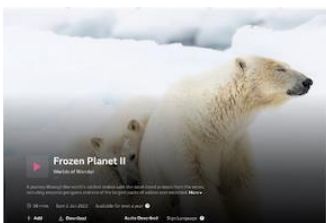
<https://www.scientificamerican.com/podcast/60-second-science>

BIOLOGY NEWS



IFLScience is a UK-based science website which publishes easy-to-understand science stories
[Latest Science News, Articles | IFLScience](#)

BIOLOGY DOCUMENTARIES



Frozen Planet and Blue Planet, BBC iPlayer



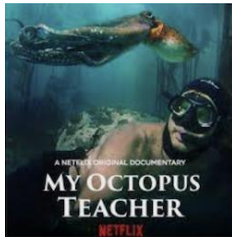
Unnatural selection, Netflix



Seaspiracy, Netflix



The secret life of the zoo, Channel 4



My octopus teacher, Netflix



Racing extinction, Amazon Prime



School of Clinical Medicine

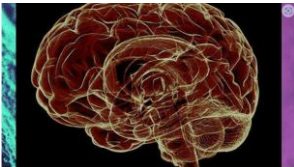
Speaker: Soumya Swaminathan, Chief Scientist, the World Health Organisation

Talk Title: Towards a Healthier and Equitable Future for All

[2022 Clinical School Annual Distinguished Lecture - School of Clinical Medicine \(cam.ac.uk\)](https://www.futurelearn.com/courses/the-biology-of-bugs-brains-and-beasts)

BIOLOGY MOOCS

The Biology of Bugs, Brains, and Beasts



Improve your understanding of some of the key concepts in A level biology and discover what's involved in higher level study.

<https://www.futurelearn.com/courses/the-biology-of-bugs-brains-and-beasts>

Improving food production



Build your knowledge of food production challenges and technology with this online course for post-16 students of biology

<https://www.futurelearn.com/courses/food-production-agricultural-technology-plant-biotechnology>

EDIVET: Do you have what it takes to be a veterinarian?



This course is for anyone interested in learning more about Veterinary Medicine, giving a “taster” of courses covered in the first year of a veterinary degree and an idea of what it is like to study Veterinary Medicine
<https://www.coursera.org/learn/becoming-a-veterinarian>

Why Biology Matters: The Genome and You



Learn what a genome is and use this information to answer questions about biology, yourself, and the world around you.
<https://www.futurelearn.com/courses/biology-genome-and-you>

Discover Dentistry



Discover the fascinating world of dentistry and explore the impact dentistry has on our lives.
<https://www.futurelearn.com/courses/discover-dentistry>

Introduction to Sport, Health, and Rehabilitation Sciences at University



Take your first steps towards a career in sport, health, and rehabilitation sciences with the University of Hull
<https://www.futurelearn.com/courses/introduction-to-sport-health-and-exercise-sciences-at-university>

The Science Behind Forensic Science



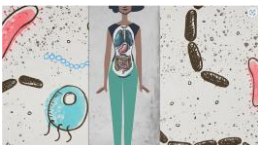
Get an introduction to the science of forensic science and discover how it's applied in the real world.
<https://www.futurelearn.com/courses/science-behind-forensic-science>

Anatomy: Know Your Abdomen



Discover the human abdomen and how it works
<https://www.futurelearn.com/courses/anatomy-know-your-abdomen>

The Human Microbiome



Discover what the microbiome is, how it changes throughout your life, and the role it plays in good human health
<https://www.futurelearn.com/courses/the-human-microbiome>

The Future of Life

Explore the threats facing human civilisation on Earth and discover the possible ways that we could colonise other planets.
<https://www.futurelearn.com/courses/future-of-life>



Next Generation Biosecurity: Responding to 21st Century Biorisks



Ecology and Wildlife Conservation



Mini Medical School: Introduction to Medical Science



Learn about biosecurity, biosafety and bioethics, and why they're vital - inside and outside of the lab

<https://www.futurelearn.com/courses/biosecurity>

Discover ecology and learn how we can protect wildlife to conserve our natural world

<https://www.futurelearn.com/courses/ecology-and-wildlife-conservation>

Discover the science underpinning modern medical practice today and how to maintain and promote good physical and mental health

<https://www.futurelearn.com/courses/university-of-colorado-mini-medical-school-part-1>

BIOLOGY COMPETITIONS

BRAIN BEE - BRITISH NEUROSCIENCE OLYMPIAD FOR TEENAGERS



Students in Year 9-13 can participate in the Online Brain Bee competition which **takes place between September and October** each year. The online exam will have **50 questions** which must be answered within **30 minutes**.

All the questions of the online competition will be drawn from **Neuroscience: Science of the Brain** (*no questions will come from chapters 16 Artificial Brains and Neural Networks and 18 Neuroethics*) and **Brain Facts** book.

<http://brainbee-uk.com/>

The Top 50-100 winners of the Online Brain Bee competition are invited to the local Regional Brain Bee competition. The winners of the Regional Brain Bee competitions will be invited to the National Brain Bee competition where the UK representative for the International Brain Bee will be selected.

BIOLOGY CHALLENGE

Biology Challenge is open to students in **Y9/Y10 and takes place in May**.

Biology Challenge stimulates curiosity for the natural world and encourages students to

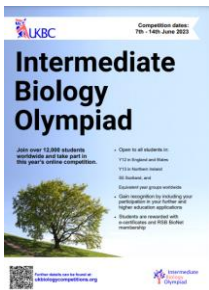


The competition consists of two, twenty-five-minute multiple choice papers to be taken online under staff supervised exam conditions. Questions will be set on the school curriculum, but the competition will also reward those students whose knowledge of the subject has been increased by reading books and magazines, watching natural history programmes, taking notice of the news media for items of biological interest, and are generally aware of our natural flora and fauna

take an interest in biology outside of school.

<https://ukbiologycompetitions.org/biology-challenge/>

INTERMEDIATE BIOLOGY OLYMPIAD



The competition is open to students in **Year 12** anywhere in the world and takes place in **June**.

Students who take part in the Intermediate Biology Olympiad are encouraged to reference their participation in their further/higher education applications

Consists of a one-hour multiple choice paper to be taken online. Questions are set on topics students have covered at GCSE and in their first year of A level. Some additional ideas will be introduced requiring their problem solving skills and understanding of core principals.

<https://ukbiologycompetitions.org/intermediate-biology-olympiad/>

BRITISH BIOLOGY OLYMPIAD



The BBO is open to students in **Year 12 and 13** studying at school or college and takes place in **March**.

The British Biology Olympiad (BBO) challenges and stimulates students with an interest in biology to expand and extend their talents. It enables students to demonstrate their talent and to be suitably rewarded with publicly recognised certificates. The BBO is the first stage in selecting a team to represent the UK at the International Biology Olympiad (IBO).

The competition consists of two, 45-minute multiple choice papers to be taken online under staff supervised exam conditions.

Students will be presented with topics and ideas which they are not familiar with, so will compete with their problem solving skills and understanding of core principles.

<https://ukbiologycompetitions.org/british-biology-olympiad/>

ROYAL SOCIETY OF BIOLOGY PHOTOGRAPHY COMPETITION



The Royal Society of Biology annual photography competition invites amateurs to submit photographs on a particular theme. **Competition will close for entries in June.** Young [Photography competition \(rsb.org.uk\)](https://www.rsb.org.uk/competition)

Photographer of the Year (**under 18**) wins £500 top prize

ROYAL SOCIETY OF BIOLOGY BIOARTATTACK COMPETITION



This competition is a new drawing and painting competition for children aged **7-18 years** old to draw or paint their favourite animal, plant or fungi. It celebrates and highlights the benefits of combining art and science. Competition entries close in **July** [Nancy Rothwell Award \(rsb.org.uk\)](https://www.rsb.org.uk/nancy-rothwell-award)

Prize for the winner is £50

All highly commended entrants and winners will be invited to an online experience day at the Royal Veterinary College.

THE OXFORD UEHIRO CENTRE FOR PRACTICAL ETHICS COMPETITION, UNIVERSITY OF OXFORD



Students in **Year 11, 12 or 13** take part in the Practical Ethics and Responsibility Competition by making a video to tell us about an ethical problem and how you think responsibility is involved.

Competition deadline is January, and the four finalists competed for the top prizes in the School's Day in **March**

<https://www.practicaethics.ox.ac.uk/article/practical-ethics-and-responsibility-competition-day-2022>

"How am I responsible for the environment? If very ill patients want to die, should doctors be held responsible if they help them? Who is responsible for the global spread of infectious diseases?"

If these questions about our responsibilities towards each other, our planet and our future make you think, then this competition is for you!

PLACES TO VISIT AND ACTIVITIES

WALRUS FROM SPACE



British Antarctic Survey (BAS) and WWF are seeking the public's help to search for walrus in thousands of satellite images taken from space, with the aim of learning more about how walrus will be impacted by the climate crisis. It's hoped half a million people worldwide will join the new 'Walrus from Space' research project, a census of Atlantic walrus and walrus from the

Laptev Sea, using satellite images provided by space and intelligence company Maxar Technologies' DigitalGlobe.

<https://www.bas.ac.uk/media-post/walrus-from-space/>

30 DAYS WILD



Can you do one wild thing every day for an entire month?

30 Days Wild is The Wildlife Trusts' annual challenge where we ask everyone to do one wild thing a day throughout the month of June.

<https://www.wildlifetrusts.org/30dayswild>

WILD CHALLENGE



Wild Challenge is a call - to get up, get out and get wild!

It's a challenge for you to connect with the natural world in brave new ways - to reach out and touch it and meet it head-on, up-close and personal. There are a range of fun activities to choose from and bronze, silver and gold awards to achieve depending on how many you complete

[Wild Challenge Family Activities - The RSPB](#)

NATURAL HISTORY MUSEUM, LONDON



An opportunity to learn more about the history of many organisms.

<https://www.nhm.ac.uk/our-science/departments-and-staff/life-sciences.html>

PUZZLEWOOD, COLEFORD

Puzzlewood

A Magical Woodland in the Forest of Dean

If you enjoy walking, the great outdoors, breath-taking scenery or discovering nature whatever the season, you'll love Puzzlewood. Experience twisted trees in an otherworldly woodland through a mile and a half of paths, bridges and lookout points. It's a wood like no other, and its magic will cast a spell to entice you back time and time again..

<https://www.puzzlewood.net>

JURASSIC COAST, SOUTH COAST OF ENGLAND



The Dorset and East Devon Coast, known as 'The Jurassic Coast', lies on the South Coast of England in the United Kingdom. It is a hugely diverse and beautiful landscape underpinned by incredible geology of global importance.

In 2001 the Jurassic Coast was inscribed as a World Heritage Site by UNESCO for the Outstanding Universal Value of its rocks, fossils, and landforms. It remains England's only natural World Heritage Site. <https://www.jurassiccoast.org>

WELLCOME COLLECTION, LONDON



Wellcome Collection is a free museum and library that aims to challenge how we all think and feel about health.

Through exhibitions, collections, live programming, digital, broadcast and publishing, we create opportunities for people to think deeply about the connections between science, medicine, life and art

<https://wellcomecollection.org/>