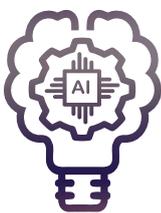


# SUPER-CURRICULAR ACTIVITIES

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A collection of freely available resources and links from the internet to help you demonstrate your enthusiasm and curiosity for a subject.

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**NXT GEN**  
INNOVATORS

# CONTENTS

<b>FRESH MINDS PROGRAMME OF STUDY</b> .....	3	EDUCATION .....	42
<b>FRESH MINDS ESSAY COMPETITION</b> .....	3	ENGINEERING.....	43
WHAT IS SUPER-CURRICULAR LEARNING? .....	5	ENGLISH .....	44
WHY IS SUPER-CURRICULAR LEARNING SO IMPORTANT?..	5	FILM / MEDIA .....	46
HOW TO GET STARTED .....	6	GEOGRAPHY.....	47
TOP TIPS .....	6	HISTORY.....	50
<b>GENERAL SUPER-CURRICULAR ACTIVITIES</b> .....	7	HISTORY AND MODERN LANGUAGES .....	52
<b>HOW SUPER-CURRICULAR ACTIVITIES FIT INTO PERSONAL STATEMENTS</b> .....	11	HISTORY AND POLITICS.....	53
<b>GENERAL OPPORTUNITIES &amp; COMPETITIONS</b> .....	14	HISTORY OF ART .....	54
<b>COURSES</b> .....	18	HUMAN, SOCIAL, AND POLITICAL SCIENCES (HSPTS).....	55
ANGLO-SAXON, NORSE, AND CELTIC.....	19	LAND ECONOMY.....	56
ARCHAEOLOGY.....	20	LAW.....	57
ARCHITECTURE .....	21	LINGUISTICS .....	58
ASIAN AND MIDDLE EASTERN STUDIES.....	22	MATHEMATICS.....	59
BIOLOGY .....	23	MEDICINE .....	62
BUSINESS & ECONOMICS .....	28	MODERN AND MEDIEVAL LANGUAGES.....	64
CHEMICAL ENGINEERING.....	30	MUSIC.....	68
CHEMISTRY.....	31	NATURAL SCIENCES.....	70
CLASSICS .....	32	PHILOSOPHY.....	72
COMPUTER SCIENCE.....	34	PHYSICS.....	73
CRIMINOLOGY & LAW.....	36	POLITICS .....	74
DANCE .....	38	PSYCHOLOGICAL AND BEHAVIOURAL SCIENCES (PBS).....	75
DRAMA AND PERFORMING ARTS .....	39	SOCIOLOGY / ANTHROPOLOGY .....	77
DT OPPORTUNITIES .....	40	THEOLOGY, RELIGION, AND PHILOSOPHY OF RELIGION .....	78
ECONOMICS.....	41	VETERINARY MEDICINE.....	79
		GENERAL RESOURCES FOR ALL SUBJECTS.....	80

# FRESH MINDS

Every year the competition for university places becomes more and more challenging with top students from all over the world competing for acceptance in leading UK universities. Universities are increasingly looking for students that can demonstrate clear ambition and genuine enthusiasm for their chosen subject.

NXT Gen Innovators ‘Fresh Minds’ is a programme of study for students aged 14-17 which develops skills and subject knowledge in preparation for university and beyond. Students work through a series of modules with advance academic content developing expertise which is encompassed in a research project. This helps develop a set of transferable skills including critical thinking, reasoning, problem solving and supporting students who need to sit any additional admissions tests for University (such as the BMAT, UCAT, LNAT or any of the Oxbridge assessments). With many Russell Group universities announcing that they will be increasingly calling pupils to interview and placing a greater emphasis on these interviews, these skills are invaluable.

This programme has been designed to prepare students to be forward-thinking and develop the 10 skills identified by Harvard University which are essential for potential careers in the next 10 years.

The best universities in the world place a great emphasis on the importance of self-study and development, this course helps students learn more about how best to research and develop their academic interests further. In order to get into their first-choice university, applicants must tell a compelling, clear yet concise story. The ‘Fresh Minds’ experience helps bring a student’s application to life.

[Fresh Minds Course Film](#)

[Fresh Minds Course Brochure](#)



# FRESH MINDS ESSAY COMPETITION

## ESSAY QUESTION

### What is the most significant invention since 2001?

If you are a highly ambitious student interested in the 'Fresh Minds' Programme of study and aged between 14-17, then we offer you the opportunity to win a 100% scholarship worth £450. Simply answer our essay question "What is the most significant invention since 2001?". Essays will be judged on the quality of argumentation and research undertaken to justify your choice of the most significant invention since 2001. Additional bursaries are available for students and are awarded on the merits of their argumentation skills. Further information can be found on our website:

<https://www.nxtgeninnovators.org>

- The judges' decisions are final and no correspondence will be entered into.
- Entries should be emailed to [info@nxtgeninnovators.org](mailto:info@nxtgeninnovators.org) in PDF format.
- The essay must not exceed the 500 word limit.
- Candidates must be aged between 14-17 of age at the date of the submission deadline.

## What is super-curricular learning?

The term "super-curricular activities" refers to activities that extend the knowledge you have gained at school to its fullest extent, either to delve deeper into a topic or to break into a new one.

The range of super-curricular learning activities is vast, for example:

- **Academic Competitions:** Many universities and organisations run academic competitions for school-aged students.
- **Courses:** Pre-pandemic courses were commonly delivered in person and often offered by universities during the summer holidays. However, now there is a huge range of MOOCs (Massive Open Online Courses) available online.
- **Online Resources:** The internet is home to a wealth of resources from online lectures to wider reading.

- **Podcasts:** Podcasts are possibly the most convenient method of engaging with super-curricular learning. You can listen to them anywhere at any time.

- **Reading:** Reading represents a great starting point for super-curricular learning. Gathering reading recommendations is easier than you think; speak to your teachers and consult university course pages as most will refer you specially prepared reading lists for prospective applicants.

Many of these activities are freely available and as such developing a passion in a subject does not have to be expensive! Ultimately, when selecting super-curricular learning activities to pursue they should lead to you developing a deeper understanding of your chosen subject.

## Why is super-curricular learning so important?

Super-curricular learning is not just about preparing yourself to apply to selective universities it will also teach you invaluable skills, which will stand you in good stead at undergraduate level and in later life. University College at Oxford have explained the benefits in a useful video. In short, super-curricular learning activities can develop your ability to

- research independently,
- take on board new information,
- think critically.

With regards to applying to university, taking part in super-curricular learning activities will allow you test the extent of your interest in your chosen subject. By exploring a subject in more detail, you will better understand your interest in it and crucially be in a stronger position to determine whether you would like to study it for at least 3 years at university!

Additionally, admissions tutors, especially those at the most selective universities, will want to be convinced of a student's genuine passion for the subject they are applying for. Talking about the super-curricular learning you have engaged within your personal statement will demonstrate the extent of your interest.

## How to Get Started

Doing something like extra reading is a good way for you to check if you have the passion for your subject that you think you do. It can help develop important skills. For example, pushing yourself to comprehend new information, getting to grips with different concepts, challenging assumptions or uncovering weaknesses in arguments you read/listen to. As a bonus, these skills will also help you become a successful university student as university study often require a lot more self-study than you may have been used to so far.

It is more beneficial to pick one or two books/podcasts/journals and read them in depth than skim through a lot of material.



## Top Tips

First things first, exploring your subject is not about filling your head with facts! You will develop important independent study skills more effectively if you are engaging actively with your subject.

### Be open minded

Don't be afraid to try new things. Find links between different things you have explored. This is a great way to test your understanding of the ideas and to even come up with new ones of your own. Making comparisons and contrasts is one of the best ways to do this.

### Think actively and ask questions

Whenever you come across an argument, do not just take it at face value. Try and challenge them, and think of counter examples. Would it be the same in all situations? Is there another way of solving that problem? What do you really think?

Pause and reflect. While reading articles or listening to podcasts, stop to think. What is your opinion? Consider writing a short paragraph to practice articulating your own ideas

### Share and discuss

Share your thoughts with your teacher, parent, or friend. Perhaps you don't understand something you've read or you'd like to debate it further.

Remember to follow your interests. Don't do an activity just because you think it will make you look good. Read books and take part in things that you think are genuinely stimulating. This means that you avoid having to try hard to fake interest. Super-curricular activities should never be seen as a chore.

# GENERAL SUPER-CURRICULAR ACTIVITIES

### Reading Lists

[Durham University reading list](#)  
[King's College Cambridge reading lists](#)  
[Manchester University reading list](#)  
[Oxford University reading list](#) (reading lists for each course are provided)

### Podcasts

[LSE Player](#) – London School of Economics Podcasts  
[Mind over Chatter](#) – Cambridge University's Podcast  
[Oxford University's Podcasts](#)  
[The Naked Scientist](#) – Science Podcasts and Radio Shows

## MOOCS

**Alison:** Offers a range of free online courses from the Arts to the Sciences.  
**Coursera:** Provides universal access to the world's best education, partnering with top universities and organizations to offer courses online.  
**Future Learn:** A free online courses from top universities and specialist organisations.  
**edX:** An online learning destination offering high-quality courses from the world's best universities and institutions to learners everywhere. Founded by Harvard University and MIT.

## Online Resources

**Gresham's College:** A database of free public lectures.  
**iDebate:** The world's leading provider of debate resources.  
**My HE Plus:** Created by Cambridge University, this website looks to help students explore subjects beyond their school curriculum.  
**Explore:** Created by Oxford University to engage students debates and ideas that go beyond what is covered in the classroom.  
**Oxford Sparks:** Oxford University's portal for sharing research carried out by scientists at the university.  
**Staircase 12:** Created by Oxford University, this website helps students to explore their subject interests outside the curricula they learn at school.  
**TED Talks:** A great source of inspiring talks from leading experts.  
**YouTube:** A wonder bank of educational videos if you know where to look!

## News and current affairs

This is of particular importance for subjects that are fast-paced and have a high research output. For students interested in Business related courses, the Financial Times and The Economist would be worth subscribing to either in print or digitally. Or for those interested in STEM the New Scientist is highly recommended.

## Useful links

<https://www.ted.com/talks>  
[www.newstatesman.com/](http://www.newstatesman.com/)  
<https://libretexts.org/>  
<https://myheplus.com/>  
<https://www.classcentral.com/collection/ivy-league-moocs>  
<https://www.my-mooc.com/en/>  
<https://thebrilliantclub.org/the-scholars-programme/for-schools/pupil-resources/>  
<https://www.rigb.org/christmas-lectures/watch>  
<https://www.bbc.co.uk/sounds/categories>  
<https://www.bbc.co.uk/programmes/b006qykl>  
<https://www.bbc.co.uk/programmes/p004kln9/episodes/player>  
<https://www.bbc.co.uk/programmes/m00057m9>  
<https://www.bbc.co.uk/programmes/b015sqc7>  
<https://www.aljazeera.com/>  
<https://edition.cnn.com/>  
<https://www.newstatesman.com/uk>



## UNIVERSITY OF BIRMINGHAM SUBJECT MASTERCLASSES

The Masterclasses programme are popular with students. They provide fun, engaging and interactive insights into what it's like to study at a selective university.  
<https://www.birmingham.ac.uk/teachers/year-12/masterclasses.aspx>

## UNIVERSITY OF CAMBRIDGE SUBJECT MASTERCLASSES

These are subject-specific events that offer students a flavour of undergraduate study and an introduction to the University of Cambridge. The Masterclasses provide students with an opportunity to explore topics of interest beyond what is covered within the A Level syllabus including: Chemistry, Engineering, Genetics, Geography, History, Languages, Mathematics, and Psychology.

<https://www.undergraduate.study.cam.ac.uk/events/masterclasses>

## LONDON SCHOOL OF ECONOMICS (LSE) OUTREACH

LSE offers many opportunities including mentoring, tutoring, pathways to Law, pathways to banking and finance and even a Saturday school. This is often aimed at students from London schools but their free lecture programme is open to all.  
<https://www.lse.ac.uk/study-at-lse/Undergraduate/widening-participation/Sixth-form-college>

## LONDON SCHOOL OF ECONOMICS (LSE) FREE LECTURES - details

Free Lecture programme and podcasts can be accessed here.  
<https://www.lse.ac.uk/Events>

## ETON SUMMER SCHOOL: July in Year 12

For highly achieving students in Year 12 with Grade 8/9 at GCSE there is an opportunity to apply for the ten day residential at Eton College. The residential course costs but those on a bursary can apply for financial support. Only 120 students can attend and location and being a state school are factors.

<https://www.etoncollege.com/eton-outwards/summer-schools/>



# HOW SUPER-CURRICULAR ACTIVITIES FIT INTO PERSONAL STATEMENTS

## **SUTTON TRUST SUMMER SCHOOLS**

Fantastic summer schools at one of twelve partner universities (Bristol, Cambridge, Durham, Edinburgh, Imperial, KCL, Nottingham, Oxford, St. Andrews, UCL, Warwick, Royal Veterinary College) for high achieving students from low or middle income families. The Summer Schools are 100% free. There are 130 different courses across 11 of the UK's top universities. The dates for the summer schools vary by subject and university.

<https://summerschools.suttontrust.com/>

## **OXFORD UNIVERSITY UNIQ SUMMER SCHOOLS**

UNIQ is open to students studying in their first year of further education, who are based at UK state schools/colleges. Students make a single application between December and January and can be selected to participate in one of two activities: UNIQ Digital or UNIQ Spring and Summer. Register between November and February if interested.

<https://www.uniq.ox.ac.uk/>

## **UNIVERSITY OF WARWICK PODCASTS**

A wide range of podcasts from politics to engineering. <https://warwick.ac.uk/newsandevents/podcasts/media/>

## **MATHEMATICS FOR NATURAL SCIENCES WORKBOOK (UNIVERSITY OF CAMBRIDGE)**

Pdf document to download full of maths problems - provided by Faculty of Mathematics.

<https://www.maths.cam.ac.uk/undergradnst/files/misc/nstworkbook.pdf>

## **MILLENIUM MATHEMATICS PROJECT**

University of Cambridge provide this helpful site with ideas to explore mathematics in greater depth.

<https://maths.org/webresources>

## **UNIVERSITY OF OXFORD - 'EXPLORE YOUR SUBJECT'**

Explore the resources or select a subject area such as Humanities or Social Sciences, followed by a specific subject (Classics, English, etc.).

<https://www.univ.ox.ac.uk/applying-to-univ/resource-hub/>

## **UNIVERSITY OF OXFORD READING BANK**

<https://www.univ.ox.ac.uk/applying-to-univ/reading-bank/>

# Examples from personal statements with references to super-curricular activities

## Applying for Spanish

My study of the tumultuous political history of many Hispanic countries, such as Franco's dictatorship in Spain, helped me to understand how many aspects of Spanish culture have arrived at where they are today, and furthermore kindle my curiosity of the Lusophone world and Portugal's colonial influence on Brazil. I gained further insight into the Spanish civil war when I read 'Homage to Catalonia' by George Orwell, in which I enjoyed his perspective as someone fighting in the war. In addition, my independent research on the history of 'El Clasico' improved my understanding of the social complexities that exist in Spain which have been somewhat manifested in football culture.

## Applying for Sociology and Social Anthropology

Curiosity led me to read, "Return to Laughter" by Eleanor Smith Bowen. Written through experiences of Laura Bohannan, an American anthropologist who spent time in the African bush living with and studying the Tiv tribe. I found the insights into the indigenous culture of West Africa gripping.

## Applying for Psychology

Whilst studying A-level psychology, gender became one of my favourite topics. This initial fascination came through my interest in feminism and understanding of gender in society that I had learnt through studying sociology. I have also read a number of books about the impact of gender on an individual. One of the books I read was living dolls by Natasha Walter which explores hyper sexualisation of women in society, taking a liberal feminist position. She takes the nurture side of the debate on gender, arguing that this is down to culture and not biology. Walter believes that these false ideas about gender differences can have real consequences in terms of behaviour and the successes of males and females in society; limiting both women and men.

## Applying for Politics

In terms of super curricular, I am a member of the Model UN society at my college, representing numerous different countries on a range of fascinating international issues such as extradition and reparations for colonialism. At every opportunity I go on college trips, a recent example being to the European Parliament in Brussels where I engaged in a feisty QnA with a couple of MEP's on current Political issues and their former statements about these issues. I'm passionate about studying Politics or International politics, knowing it will be fulfilling and fascinating constantly.

## Applying for Computing

I believe I am fully prepared to take on all the challenges that a computer scientist will face and keep up to date with recent and relevant developments in this subject. I have taken part in the UK Bebras Challenge in 2018 and 2019 which includes solving problems using computational thinking skills and techniques. These skills and techniques involve the understanding of breaking down difficult tasks into smaller components; pattern recognition; algorithm design and abstraction. I have also taken part in Cyber Discovery in my free time in 2018. This developed my logical thinking to solve cyber security problems, as well as general problem solving and the use of initiative.

## Applying for Media

As I have previously mentioned, working collaboratively has always been something in which I have excelled. I have had many experiences which allowed me to gain a broader perspective on different professional situations and environments. I have been fortunate enough to explore excellent work experience in the media world, working alongside the PR company Bright Light PR. Whilst doing my work experience with this company I was able to attend a product launch for the press, communicating with multiple people involved in a product launch. I was able to ask different journalists about their line of work, seeing first-hand the differences between online media and magazines.

## Applying for Philosophy

In 2014, I attended Peter Vardy's 'Ethics Matters' lecture in London. His ideas about ethical issues sparked an interest for me in moral philosophy. Recently, I've attended a series of mini lectures and seminars on philosophy and humanities at Brighton University on topics that explored whose lives have value and why. I especially enjoyed the 'Black Lives Matter: Racism, resistance and representation' lecture as it related to the current political debate about black civil rights issues in the US, as it explored and criticised the inhuman treatment between races in modern day America.

## Applying for Midwifery

Furthermore a recent NHS funded study from Oxford University found that 17% of all UK maternal deaths were related to mental health issues. This is of particular interest to me when considering the mental health of pregnant women and new mothers with post-natal depression.

## Applying for Maths

In order to expand the mathematical knowledge I currently possess, I attend Step and Stretch sessions weekly in order to prepare for the coming STEP exam next year. It's inevitable taking this exam will augment my ways of approaching difficult questions; this is beneficial at degree level as I will be faced with similar questions that will require perseverance and patience.

## Applying for Creative Advertising

The illustrator Owen Davey came to my recognition by recommendation of my graphics tutor. Seeing his work, alongside the modernism research at the time, really solidified my passion for graphic design. His combination of stylish, well-constructed, smooth lines with intriguing, commonly playful subjects seemed to connect everything that had previously struck me visually

## Applying for Drama

I read a paper from Sussex (Hanrahan and Banerjee 2017) on the socio-motivational impact of drama on marginalised young people. I understood children at risk of emotional and behavioural problems who had participated in drama-group therapy were more likely to have positive outcomes compared to those in a no intervention control. To me this highlighted the significance of drama and theatre in unexpected areas and broadened my understanding of careers after university.

## Applying for Environmental Science

Outside college I have watched many documentaries from David Attenborough's "Our Planet" exploring human impacts across the entire world to places many of us will never see, to Hugh Fearnely Whittingstall's "War on Waste" highlighting human impacts caused by a population as small as your own neighbourhood. One of my favourite books I've read was "what has nature ever done for us?" by Tony Jupiter looking at the services nature provides that keep the economy going



# GENERAL OPPORTUNITIES & COMPETITIONS

## Fresh Minds Essay Prize

A 100% fully funded scholarship is available on the Fresh Minds Programme of study for all students in Y10 to Y12. Take part in the 500 words essay competition by answering the question “What is the best innovation since 2001?”

More info at: <https://nxtgeninnovators.org>

## Uptree

Make an account for free access to many work experience, internship and workshop opportunities with big companies such as HSBC, IBM, Credit Suisse and more

More info at: <https://uptree.co/students/>

## The Oxford Scientist School's Writing Competition

Opens several times a year

More info at: <http://oxsci.org/schools/>

## New College of the Humanities Essay Competition

More info at: <https://www.nchlondon.ac.uk/essay/>

## Duke's Education Essay Prize: all subjects

More info at:

<https://dukeseducation.com/winners-of-the-dukes-education-essay-prize/>

## The Libre Essay Prize: all subjects

More info at: <https://www.libraeducation.co.uk/essay-prize>

## UCL Online Summer School: 14 subjects

More info at:

<https://www.ucl.ac.uk/widening-participation/learners/secondary>

<https://www.ucl.ac.uk/prospective-students/summer-school/>

## Science Crest Award (Gold)

Open all year

More info at: <https://www.crestawards.org>

## University of London: University Taster Courses and Lectures

More info at:

<https://london.ac.uk/ways-study/study-campus-london/university-taster-courses>

## The Big Bang Competition: STEM and Engineering

A perfect competition for students in secondary education interested in STEM subjects, from computing to design engineering. The focus is on project work and research, which presents a wonderful opportunity to harness both your creative imagination and scientific knowledge. You can explore any scientific discipline, and choose the nature of your end product e.g. a report from a practical experiment in a lab, a prototype, a science communication presentation. Great to mention on future even non-science personal statements!

More info at:

<https://www.thebigbang.org.uk/the-big-bang-competition/get-inspired/>

## Royal Geographical Society & FT Competition

“What is the geographical story behind a chosen set or sets of data?” The Royal

Geographical Society (with IBG) and the Financial Times ‘Essay Competition for sixth form geography students is perfect for those considering Geography at university. Challenge yourself to look beyond the curriculum, you may even be published on FT.com! <https://www.rgs.org/schools/competitions/school-essay-competition/>

## “World Tales” Short Story Competition

UNESCO and the Idries Shah Foundation (ISF)'s World Tales Short Story Competition, invites young teenagers from around the globe to write

about challenges of today and tomorrow (Climate change, human rights violations, conflicts, racism and discrimination) in the format of a short story. <https://en.unesco.org/news/unesco-and-idries-shah-foundation-launch-world-tales-short-story-competition>

## The Young Walter Scott Prize

Contribute your creative vision in entry to the prestigious Young Walter Scott Creative Writing competition. Open to all young writers aged between 11 and 19, the Historical Fiction writing competition offers endless possibilities to really explore and test your writing ability & historical knowledge. This is your chance to test your skills of historical accuracy & harness those literary devices to transport your reader back in time. <https://www.walterscottprize.co.uk/young-walter-scott-prize/>

## Young Nature Writers' Competition

Anna Wilson, the judge of ‘My Wildlife’'s 2020 Nature Writing prize for 11-16 year olds, is a celebrated writer of nature books such as The Wide, Wide Sea, published in partnership with the National Trust. <https://richardjefferies.org/young-nature-writers-competition>

## NCH Humanities Competition

This is a fantastic opportunity for students considering a Humanities degree - the competition has questions for a number of subjects: Art History, English, Data Science, Economics, History, Law, Philosophy, Politics & Psychology. Y12 Essay competitions are great to mention on personal statements, especially if you have not studied the subject at school, as it demonstrates interest and aptitude/ allows you delve deep into research in a new field. <https://www.nchlondon.ac.uk/pre-university-programmes/essay/>

## UK Junior Water Prize

Any student interested in sustainability and the environment will be interested in partaking in the UK Junior Water Prize. Are you keen to help find solutions to one of the most pressing challenges of our age? With a focus on research and experiment, the competition is perfect for any aspiring scientists

keen to hone their skills beyond the syllabus. <https://www.ciwem.org/awards/uk-junior-water-prize>

### The 16th Elmbridge Literary Competition 2021

The Elmbridge Literary Competition is perfect for any keen writers, national and international, looking to write to a great theme: music. You could play with lyricism (use sensory description - onomatopoeia, alliteration, assonance, sibilance...), explore the way in which music represents a multiplicity of cultures, how music can trigger memory and evoke a certain time & place...the possibilities are endless!

<https://www.rcsherriftrust.org.uk/elmbridge-literary-competition>

### Never Such Innocence Writing Competition: The Unheard Voices of Conflict

It is so important that when we read, we are not narrow in our approach - that we pay attention to stories from across the globe, across cultures and experiences. This competition represents an opportunity for you to tell your own story with this in mind. Students of all ages are invited to share either a personal story, or tell the untold story of someone impacted by a conflict, from anywhere across the globe. <https://www.neversuchinnocence.com/2020-21-competition-rules>

### Virtual Faraday Challenge

Based on a real-world problem, the Virtual Faraday Challenge brings together STEM subjects (science, design and technology, engineering and maths) in an engaging way and encourages the development of young people's problem solving and communication skills. Can you assist the work of Network Rail, helping them to sustainably manage the increasing numbers of passengers using their network and minimise their impact on the environment? <https://education.theiet.org/faraday-challenge-days/virtual-faraday-challenge/>

### Armourers and Brasiers Tata Steel Sixth Form Materials Prize

The Armourers and Brasiers Tata Steel Sixth Form Materials Prize has been designed to give learners structured opportunities to find out about materials

science and engineering outside their normal lessons. It can be run as a formal extra-curricular activity led by a teacher or learners can work through the Prize modules independently. In both cases a sustained commitment of approximately 12 hours is required. <https://www.iom3.org/careers-learning/schools-outreach/activities-for-11-19/armourers-and-brasiers-sixth-form-materials-prize.html>

### Searchlight Writing for Children Award

Searchlight Writing for Children Awards is a new rolling competition for aspiring authors writing for children or young adults. Their purpose is to shine a bright light on exceptional writing. They publish winning entries and act as a stepping stone for children's authors to achieve their literary dreams. <https://www.searchlightawards.co.uk/>

### Robinson College, Cambridge's Essay Prize

<https://www.robinson.cam.ac.uk/prospective-students/essay-prize>

### Fitzwilliam College, Cambridge's Archaeology Essay Competition

<https://www.fitz.cam.ac.uk/admissions/undergraduate-admissions/opportunities-prospective-applicants/essay-competitions>

### See Science Competitions

Visit this website for details of the DVLA Code Challenge, Launch UK Nanosat Design Competition, My Sustainable Community Competition, UKBC Biology Challenge 2022, British Biology Olympiad, UK Chemistry Olympiad and The Linnean Society Special Species Competition. <https://www.see-science.co.uk/whats-on/competitions/>

### English Speaking Union

Largest public speaking competition for schools in England and Wales. <https://www.esu.org/competitions/schools-mace/>

### University Academic Competitions for Schools and Colleges by Oxford

Several colleges and departments of the University of Oxford run competitions which are open to students

from schools and colleges.

Preparing an entry for one of these competitions is a valuable experience for academically motivated students, so please do encourage your students to enter. There are also some exciting prizes to be won. <https://www.ox.ac.uk/admissions/undergraduate/applying-to-oxford/teachers/academic-competitions-schools-and-colleges>

### Student Investor Challenge

Each year, Year 12 can be part of a major competition, organised by the London Institute of Banking and Finance, which can last several months. It will provide a useful insight into trading in stocks and shares. The Student Investor Challenge gives students the chance to experience what it's like being a stock broker in a fast-paced and competitive market. Teams, consisting of four members aged between 14 and 19, take control of two investment portfolios with £100,000 of virtual money for each one to invest in the stock market. <https://www.libf.ac.uk/study/financial-education/student-zone>

### National Psychology Competition

Royal Holloway run a national Psychology competition for schools, enabling Year 12 students to pit their psychology skills against pupils from across the UK.

Students may want to look at findings from psychological studies, think about the implications of a psychological theory, or approach it completely differently. It's an opportunity for you to showcase your understanding of Psychology. <https://www.royalholloway.ac.uk/studying-here/schools-and-colleges/activities-by-subject/psychology/psychology-resources/national-psychology-competition/>

### The Bank of England and The Times Interest Rate Challenge

The competition designed to give 16 to 18 year old students across the UK the opportunity to take on the role of the Bank's Monetary Policy Committee (MPC) and set monetary policy for the UK to meet the inflation target of 2.0%. <https://www.bankofengland.co.uk/news/2010/may/target-2-0-the-boe-and-the-times-interest-rate-challenge>

### Connell Guides Short Story Competition

Write a short story of no more than 1200 words on any setting and genre. It could be comic or tragic, period or sci-fi. This competition is open to all students in Year 11. <https://www.connellguides.com/pages/short-story-competition-2021>

### Commonwealth Essay competition

The Queen's Commonwealth Essay Competition is the world's oldest international writing competition for schools, established in 1883. With thousands of young people taking part each year, it is an important way to recognise achievement, elevate youth voices and develop key skills through creative writing. <https://www.royalcwsociety.org/the-qcec>

### The Tower Poetry Competition

The Tower Poetry Competition offers the UK's most valuable prize for young poets, and is open to students between 16-18 years of age who are educated in the UK.

The competition is judged anonymously by two guest judges, who are different each year, and the Christopher Tower Student. Each year the theme is chosen with the intention of giving entrants free rein to interpret it as widely as they like.

The competition is free to enter and offers a first prize of £3000. Schools of prize winners are awarded an additional £150, intended for investment in further study of poetry and literature. <https://www.chch.ox.ac.uk/research-and-academia/enter-tower-poetry-competition>

### St John's College Classics and Ancient History Essay Competition

The St. John's College Classics and Ancient History Essay Competition is open to all UK students currently studying in Year 12 (Lower Sixth) or equivalent, whether or not they are currently studying a Classical or Ancient subject. <https://www.sjc.ox.ac.uk/discover/events/classics-and-ancient-history-essay-competition-2020-21/>



# ANGLO-SAXON, NORSE, AND CELTIC

**Books** [ASNAC introductory reading](#)  
[The Anglo-Saxon Age: A Very Short Introduction](#)  
[The Vikings: A Very Short Introduction](#)

**Websites** [Department of Anglo, Saxon, Norse, and Celtic](#)  
[ASNC Viking Age: Home](#)  
[ASNC Spoken Word - Homepage](#)  
[Anglo-Saxon Archaeology blog](#)  
[Anglo-Saxon History blog](#)  
[English Heritage Introduction to Early Medieval British History](#)

**Video** [Cambridge Anglo-Saxon, Norse and Celtic Society YouTube channel:](#)

**Podcasts** [Radio 4 - In Our Time, History](#)

**Also see resources** History, Languages

Cambridge University Course Film

# COURSES

A selection of courses that are offered by leading universities with details of suggested super-curricular activities.

General Resources for all Subjects	Criminology & Law	History And Modern Languages	Natural Sciences
Anglo-Saxon, Norse, And Celtic	Dance	History And Politics	Philosophy
Archaeology	Drama And Performing Arts	History Of Art	Physics
Architecture	DT Opportunities	Human, Social, And Political Sciences (Hsps)	Politics
Asian And Middle Eastern Studies	Economics	Land Economy	Psychological And Behavioural Sciences (Pbs)
Biology	Education	Law	Sociology / Anthropology
Business & Economics	Engineering	Linguistics	Theology, Religion, And Philosophy Of Religion
Chemical Engineering	English	Mathematics	Veterinary Medicine
Chemistry	Film / Media	Medicine	
Classics	Geography	Modern And Medieval Languages	
Computer Science	History	Music	



# ARCHAEOLOGY

<b>Books</b>	<a href="#">Archaeology department reading list</a> <a href="#">Biological Anthropology introductory reading list</a> <a href="#">Human Evolution: A Very Short Introduction</a>
<b>Journals/Articles</b>	<a href="#">Current Archaeology: Home</a> <a href="#">Archaeological Review from Cambridge</a>
<b>Websites</b>	<a href="#">Young Archaeologists' Club</a> <a href="#">British Museum</a> <a href="#">The Museum of Archaeology and Anthropology, Cambridge</a> <a href="https://www.english-heritage.org.uk/learn/story-of-england/early-medieval/">https://www.english-heritage.org.uk/learn/story-of-england/early-medieval/</a>
<b>Video</b>	<a href="#">The Golden Road: Materials, Value and Exchange in the Ancient Americas. Lecture by Dr Joanne Pillsbury</a> <a href="#">The Political Economy of Pre-colonial African States lecture by Professor Shadreck Chirikure</a> <a href="#">Gresham Lectures - Archaeology</a>
<b>Podcasts</b>	<a href="#">Archaeology Podcast Network</a> <a href="#">Naked Archaeology</a>
<b>Also see resources</b>	Classics, History, Geography, HSPS

Cambridge University Course Film



# ARCHITECTURE

<b>Books</b>	<a href="#">Architecture information for students from Cambridge University</a> Bachelard, The Poetics of Space Davidson Cragoe, How to Read Buildings Pallasmaa, The Eyes of the Skin Perec, Species of Spaces and other Pieces <a href="#">14 Architecture Books for Student Architects</a>
<b>Journals/ Articles</b>	<a href="#">The Architects' Journal: Architecture News &amp; Buildings</a> <a href="#">The Architectural Review   Online and print magazine about international design</a> <a href="#">Scroope Journal</a>
<b>People</b>	Le Corbusier Miles Van Der Rohe Lloyd Wright Mackintosh
<b>Websites</b>	<a href="#">Learning programme</a> <a href="#">Explore Arts and Culture through google</a> <a href="#">Welcome to Young Architect - Young Architect</a>
<b>Podcasts</b>	<a href="#">Dezeen   architecture and design magazine</a>
<b>Other activities</b>	<a href="#">RIBA Stirling Prize</a> <a href="#">10 Essential Freehand Drawing Exercises for Architects</a>
<b>Also see resources</b>	History of Art, Maths
<b>Useful Links</b>	<a href="https://www.architecture.com/education-cpd-and-careers/learning">https://www.architecture.com/education-cpd-and-careers/learning</a> <a href="https://www.archi-ninja.com/list-of-architecture-books-for-student-architects/">https://www.archi-ninja.com/list-of-architecture-books-for-student-architects/</a> <a href="https://youngarchitect.com/">https://youngarchitect.com/</a> <a href="https://www.architecture.com/awards-and-competitions-landing-page/awards/riba-stirling-prize">https://www.architecture.com/awards-and-competitions-landing-page/awards/riba-stirling-prize</a> <a href="https://www.dezeen.com/">https://www.dezeen.com/</a> <a href="https://www.archdaily.com/801871/10-essential-freehand-drawing-exercises-for-architects">https://www.archdaily.com/801871/10-essential-freehand-drawing-exercises-for-architects</a>

Cambridge University Course Film

# ASIAN AND MIDDLE EASTERN STUDIES

<b>Books</b>	<a href="#">Preparatory reading - Arabic</a> <a href="#">Preparatory reading - Chinese</a> <a href="#">Preparatory reading - Hebrew</a> <a href="#">Preparatory reading - Japanese</a> <a href="#">Preparatory reading - Persian</a> <a href="#">Chinese Literature: A Very Short Introduction</a>
<b>Websites</b>	<a href="#">Arabic learning resources</a> <a href="#">Language Centre - Japanese Language Courses</a> <a href="#">Middle East Studies Association</a> <a href="#">Association for Asian Studies: Homepage</a>
<b>Other activities</b>	<a href="#">Al Jazeera</a>
<b>Also see resources</b>	Languages, Literature, History



# BIOLOGY

## Useful online resources

Here are some online resources you may like to use to test your knowledge:  
[Isaac Physics](#): this website contains lots of maths and physics problem solving questions.

[British Physics Olympiad](#): this website contains lots of past papers and solutions of problem solving type questions.

[I want to study Engineering](#): this website is just as useful for all applicants not just those applying to engineering.

[Brilliant.org](#): this website has some resources to test your mathematical and physics knowledge.

## Books

Yuval Noah Harari: Sapiens: A Brief History of Humankind

Richard Dawkins: The Selfish Gene, The Blind Watchmaker

Unweaving the Rainbow; Climbing Mount Improbable; The Ancestor's Tale.

David S. Goodsell: The Machinery of Life.

Ernst Mayr: This Is Biology: The Science of the Living World.

Steve Jones: Y: The Descent of Men; In the Blood: God, Genes and Destiny; Almost Like a Whale: 'Origin of Species' Updated ; The Language of the genes.

Michael Pollan: The Botany of Desire: A Plant's-Eye View of the World

Rebecca Skloot: The Immortal Life of Henrietta Lacks

Matthew Walker: Why We Sleep: Unlocking the Power of Sleep and Dreams

Giulia Enders: Gut: The Inside Story of Our Body's Most Underrated Organ

Stephen Jay Gould: The Panda's Thumb: More Reflections in Natural History

Matt Ridley: Genome: The Autobiography of a Species in 23 Chapters; The Red

Queen: Sex and the Evolution of Human Nature; The Language of Genes;

Francis Crick: Discoverer of the Genetic Code; Nature Via Nurture: Genes, Experience and What Makes Us Human.

James Watson: DNA: The Secret of Life; The Double Helix: Personal Account of the Discovery of the Structure of DNA.

George C. Williams: Plan and Purpose in Nature.

Steve Pinker: The Language Instinct.

Edward O Wilson: The Diversity of Life.

Richard Leaky: The Origin of Humankind.

Bill Bryson: A Short History of Nearly Everything

Elizabeth Kolbert: The Sixth Extinction: An Unnatural History

## Imperial Y12 Work Experience Programmes - National Heart and Lung Institute and Life Sciences

This summer school is fully funded (free to successful applicants), which includes all course fees, materials as well as lunch.

More info at:

<https://www.imperial.ac.uk/events/130032/y12-work-experience-programme/>

<https://www.imperial.ac.uk/be-inspired/schools-outreach/secondary-schools/summer-schools/work-experience/>

### Kelvin Science Essay Competition

More info at: <https://www.pet.cam.ac.uk/essay-prizes>

### Royal Institution Lectures – Biology and Medicine

Past lectures can be found at:

[Biology](#)  
[Medicine](#)

Whats on offer currently: <https://www.rigb.org/whats-on>

### Imperial Online Events

Register Online for free – most events are virtual, often via zoom  
Topics range from ‘Sickle cell disorders in the UK (History, Sciences and Culture)’ to ‘Targeting the synapse in Alzheimer’s Disease’ – but also talks that are unrelated to biology

Find at:

<https://www.imperial.ac.uk/whats-on/?ends=2020-12-13&show=between&starts=2020-12-12>

and recordings of past events and podcasts can be found at:

<http://www.imperial.ac.uk/be-inspired/social-and-multimedia/lectures-online/>

### Reading

[New Scientist](#)  
[National Geographic](#)

Any other Biology materials which you find interesting.

### Oxford research

[Putting ticks on the map](#)  
[Poetry in motion](#)  
[Defeating dengue with GM mosquitoes](#)  
[The loneliness of the long-distance seabird](#)  
[Balancing conservation and commerce in the world’s forests](#)

### Research videos:

[The surprising uses of silk](#)  
[Bringing back the large blue butterfly - Jeremy Thomas](#)  
[Preserving Endangered Trees: A Chilean case study](#)  
[Jatropha Curcas in the Global Race for Biofuels](#)  
[Peru’s Data Collectors](#)  
[Researching the Reef: fish and coral of the Caribbean](#)

### Documentaries

There are lots of fantastic Biology documentaries on BBC iPlayer  
<https://www.bbc.co.uk/iplayer/categories/science-and-nature/featured>  
Some fantastic ones are:  
Meat: A threat to our planet?  
Climate Change - The Facts; Primates  
Life; Blue Planet II

### The Internet and Apps

<http://www.dnai.org/a/index.html> – Explore the genetic code  
<https://www.nobelprize.org/> – Details of the history of the best scientific discoveries  
<https://www.nature.com/> – The site of the scientific journal  
<https://royalsociety.org/> – Podcasts, news and interviews with scientists about recent scientific developments  
<https://www.nhm.ac.uk/> – The London Natural History Museum’s website with lots of interesting educational material  
<https://www.bmj.com/> – The website of the British Medical Journal  
[https://www.bbc.co.uk/news/science\\_and\\_environment](https://www.bbc.co.uk/news/science_and_environment) - The BBC news page for Science and the Environment

### Free Online Courses

Browse the Future Learn website and sign up for an online course of interest:  
<https://www.futurelearn.com/>  
Browse the Coursera website and sign up for an online course of interest:  
<https://www.coursera.org/>

### Read scientific publications

Keep abreast of scientific developments ready to talk about them in interviews by subscribing to reputable scientific publications and journals such as:  
New Scientist,  
Scientific American,  
Nature

### Podcasts

**Life Scientific podcast** from Radio 4 for any scientists. Covers a range of scientists and mathematicians that they can pick and choose from and find out about their career path.  
<https://www.bbc.co.uk/programmes/b015sqc7/episodes/player>

### Radio 4 Podcasts - details

‘Inside Science’ - obvious theme - great for science students. Might be some good ideas for the EPQ.

## Useful Links

<http://www.cheresources.com/content/articles/>  
<https://www.nationalacademies.org/engagement>  
<https://www.womeninstem.co.uk/>  
<https://www.nasa.gov/stem>  
<https://brilliant.org/>  
<https://www.arkwright.org.uk/>  
<https://www.bbc.co.uk/programmes/p02nrss1/episodes/downloads>  
<https://www.bbc.co.uk/programmes/p01gyd7j>  
<https://www.raeng.org.uk/>  
<https://www.greenpower.co.uk/>  
<https://www.engineering.com/home>  
<https://www.drawdown.org/>  
<https://grid.iamkate.com/>  
<https://isaacphysics.org/>  
<https://www.iop.org/careers-physics/your-future-with-physics>  
<https://i-want-to-study-engineering.org/>  
<https://theresnoplanetb.net/>  
<https://edu.rsc.org/future-in-chemistry>  
<https://www.withouthotair.com/download.html>  
<https://jncc.gov.uk/>  
<https://www.bbc.co.uk/programmes/b007xbtd>  
<https://www.chemistryworld.com/podcasts>  
<https://www.rsc.org/periodic-table/podcast>  
<https://www.podbean.com/site/Search/index?v=physics>  
<https://www.crestawards.org/>  
<https://ukbiologycompetitions.org/british-biology-olympiad/>  
<https://www.bpho.org.uk/>  
<https://edu.rsc.org/enrichment/uk-chemistry-olympiad>  
<https://askabiologist.asu.edu/puzzles>  
<https://bsbi.org/plant-id-getting-started>  
<https://www.alieward.com/ologies>  
<https://www.bbc.co.uk/programmes/p002vsnb>  
<https://www.bbc.co.uk/programmes/b015sqc7>  
<https://www.feynmanlectures.caltech.edu/>  
<https://www.bbc.co.uk/programmes/b00qbq7f>  
<http://www.wothers.com/>  
<https://www.youtube.com/watch?v=2EkfdtXUj3U>  
<https://www.ibiology.org/>  
<https://www.acdlabs.com/resources/freeware/chemsketch/>  
<https://www.rsc.org/>  
<https://nrch.maths.org/unichem>  
<https://www.chemistryworld.com/>  
<https://www.zooniverse.org/projects/zookeeper/galaxy-zoo/about/education>  
<https://physics-zone.com/>

<https://home.cern/resources?topic=1113>  
<https://mlm.pearson.com/northamerica/masteringphysics/>  
<https://www.nhm.ac.uk/schools.html>  
<https://www.zsl.org/science>  
[https://www.youtube.com/results?search\\_query=%E2%80%A2%09Veritasium](https://www.youtube.com/results?search_query=%E2%80%A2%09Veritasium)  
<https://www.rsb.org.uk/>  
<https://www.kew.org/>  
<https://biochemistry.org/>  
<https://artsandculture.google.com/exhibit/past-present-and-future-the-marvels-ofevolution/sQKCHNbzoDYULw?hl=en>  
[https://www.bbc.co.uk/news/science\\_and\\_environment](https://www.bbc.co.uk/news/science_and_environment)  
<https://www.symmetrymagazine.org/>  
<https://www.scientificamerican.com/>

## Open learn course

<https://www.open.edu/openlearn/free-courses/full-catalogue>  
<https://www.nuffieldfoundation.org/students-teachers/nuffield-research-placements>

## Oxford research:

[Providing the technology for 'space refrigerators'](#)  
[Improving hospitals' 'early warning' systems](#)  
[Data scientists to the rescue](#)  
[Driverless cars video](#)  
[Delivering drugs better-- using sound video](#)



# BUSINESS & ECONOMICS

The BBC news website <https://www.bbc.co.uk/news/business> is worth a daily visit, particularly the Business tab. Build in listening to the Today programme on Radio 4 (Mon - Sat 6:00am – 9:00am) into your morning routine. The Times, Guardian, Telegraph, and Independent all have good coverage of business. The Guardian and Telegraph on Saturday, and the Times on Sunday are particularly strong on economic news as is the Financial Times.

## Books

### **How I Made It: 40 Successful Entrepreneurs Reveal How They Made Millions – Rachel Bridge**

An essential read for anyone that is thinking about starting their own business. Successful Entrepreneurs are interviewed about how they spotted a gap in a market and developed a USP.

### **The Tipping Point: How Little Things Can Make a Big Difference – Malcolm Gladwell**

A very readable and fascinating book, which looks into the reasons products become market leaders.

**The Google Story – David A. Vise** An interesting investigation into the culture at Google, includes insights into the four day working week and soft management styles. The questions are; are these the things that made Google the world's number one search engine?

**The Toyota Way: 14 Management Principles from the World's Greatest Manufacturer – Jeffrey Liker** Covers Japanese Management Techniques such as Kaizen and TQM.

**Billions of Entrepreneurs: How China and India Are Reshaping Their Futures and Yours – Tarun Khanna** An investigation into Asia's two growing economic powers.

**Business Stripped Bare: Adventures of a Global Entrepreneur – Sir Richard Branson** The autobiography of Britain's most famous entrepreneur.

**Sun Tzu – The Art of War for Managers: 50 Strategic Rules Updated for Today's Business – Gerald A. Michaelson**

Applying the ancient Chinese rules of battle to modern day business.

**The Intelligent Investor – Benjamin Graham** The classic book on stock market investment, as recommended by Warren Buffet.

**No Logo – Naomi Klein** Klein investigates the negative side to marketing and globalisation.

**House of Cards: How Wall Street's Gamblers Broke Capitalism – William D Cohan** Explains the reason behind the continuing global financial crisis, which started in September 2008

## Useful Links

<https://www.res.org.uk/education.html>  
<https://www.bbc.co.uk/programmes/p04b1g3c>  
<https://freakonomics.com/>  
[https://www.youtube.com/watch?v=T43k-s2sS\\_Q](https://www.youtube.com/watch?v=T43k-s2sS_Q)  
<https://www.youtube.com/watch?v=bgFlcfkWXo8>  
<https://www.imf.org/en/home>  
<https://iea.org.uk/>  
<https://economistfoundation.org/>  
<https://marshallssociety.com/>  
<https://www.economist.com/>  
<https://www.earnandinvest.com/>

## Podcasts

### **Radio 4 podcasts - details**

'Bottom Line' huge array of topics. 30 mins podcast with 2-3 people interviewed on a business theme.



# CHEMICAL ENGINEERING

- Books** Solen and Harb, Introduction to Chemical Engineering: Tools for Today and Tomorrow  
Denn, Chemical Engineering: An Introduction
- Journals/Articles** [Science news and science articles from New Scientist Articles - Chemical Engineering](#)
- Websites** [Oxford Sparks: Bringing Oxford Science to Life](#)  
[Chemical Engineering Challenges and Opportunities in the 21st Century](#)
- Other activities** [Women in STEM - Women & girls in science, tech, engineering and maths](#)
- Also see resources** Engineering, Maths, Natural Sciences

Cambridge University Course Film

# CHEMISTRY

- Competitions** **The Biochemical Society: Science Communication Prize**  
More info at:  
<https://www.biochemistry.org/education/science-communication>
- Newnham College Essay Prizes: The Biological Sciences Essay Prize**  
(Female students only)  
More info at:  
<https://www.newn.cam.ac.uk/admissions/undergraduates/newnham-essayprizes/>
- UCL Science Lectures** 2020 Christmas Series  
<https://www.ucl.ac.uk/physics-astronomy/outreach/science-centre-lectures>
- Reading** [Introductory reading for Chemistry.](#)  
[Chemistry World magazine](#)  
[Royal Society of Chemistry](#)
- Oxford research** [Turning orange into grapefruit](#)  
[Fuel cells inspired by nature video](#)  
[Chemistry in the garden video](#)



# CLASSICS

## Opportunities

### University College, London Classics Taster Day

More info at:

<https://www.ucl.ac.uk/prospective-students/open-days/classics-and-ancient-world-open-days>

### Classics & Ancient History Summer School - Durham

No academic entry requirements

More info at: <https://summerschools.suttontrust.com/course/durham-university/classics-ancient-history-2/>

### Newnham College Classics Essay Competition for Year 12 Female Students

More info at: <https://www.theclassicslibrary.com/newnham-college-classics-essay-competition-for-year-12-female-students/>

### Classics Summer School

No academic entry requirements

More info at: <https://summerschools.suttontrust.com/course/university-ofcambridge/classics/>

### MFL Opportunities

Linguistics Essay Competition - Trinity College, Cambridge

More info at: <https://www.trin.cam.ac.uk/undergraduate/essay-prizes/linguistics/>

### Oxford Languages Competitions

Ran by the faculty of Medieval and Modern Languages. Includes: French Flash Fiction Competition, ONG German Olympiad, ONG German Classic Essay Prize and the Spanish Flash Fiction Competition. More info at: <https://www.mod-langs.ox.ac.uk/schools/language-competitions>

### Newnham Modern and Medieval Languages Essay Prize

Now open for 2021- only applicable for female students

More info at: <https://www.newn.cam.ac.uk/admissions/undergraduates/newnham-essayprizes/>

## Books

[Faculty of Classics for prospective students](#)

[Faculty of Classics recommended reading](#)

## Journals/Articles

[The Hellenic Journal | Study of Greek language | Hellenic Society](#)

[Omnibus Magazine : Free Texts, Download, Borrow and Streaming](#)

## Websites

[Classical Art Research Centre, Oxford](#)

[Centre for the Study of Ancient Documents](#)

[The Roman Society](#)

[Classical Civilisation](#)

[ORBIS/Stanford](#)

## Video

[Introduction to Ancient Greek History with Donald Kagan](#)  
[Faculty of Classics - New Collection Videos](#)

## Podcasts

[Radio 4 - In Our Time, History](#)

## Other activities

[Introducing Classical Latin](#)

[Getting started on Classical Latin](#)

[Introducing Ancient Greek](#)

[Discovering Ancient Greek and Latin](#)

[Duolingo - The world's best way to learn a language](#)

## Reading

You may wish to explore some websites which have excellent links to materials about the ancient world, such as the [British Museum](#) or the [BBC Radio 4 archives](#), for example for the programme 'In Our Time', covering material from [Ancient Greece](#) and [Ancient Rome](#).

There are also many social media sites which you can join such as Classics Confidential, Classics Outreach and Classics International.

You can find literary resources on the [Great Writers Inspire](#) site. You may also like to look at literary websites and listen to radio programs such as BBC Radio 4's 'In Our Time'.

## Oxford research

[Classics for the people](#)

[Dramatic research](#)

[Making Britain](#)

[Digitising Jane Austen's fiction manuscripts](#)

[On the joy of not rehearsing Shakespeare video](#)

[Shedding new light on Tchaikovsky's Eugene Onegin](#)

[Writing Brecht, living well](#)

## Also see resources

English, History of Art, Philosophy

Cambridge University Course Film

# COMPUTER SCIENCE

## Books

Dewdney, The New Turing Omnibus: 66 Excursions in Computer Science  
Gribbin, Computing with Quantum Cats  
Houston, How to Think Like a Mathematician  
Penrose, The Emperor's New Mind  
Hromkovic, Algorithmic Adventures: From Knowledge to Magic  
Singh, The Code Book: The Secret History of Codes and Code- breaking

## Journals/Articles

[Shor, I'll do it!](#)  
[Science news and science articles from New Scientist](#)

## Websites

[Coronavirus Update: How NRICN Can Help You](#)  
[Isaac Computer Science](#)  
[Explore NASA STEM](#)  
[Oxford Sparks: Bringing Oxford Science to Life](#)  
[www.oxfordsparks.ox.ac.uk](#)  
[Brilliant | Learn to think](#)  
[Bletchley Park External Resources](#)  
[Department of Computer Science, University of Oxford](#)  
<http://www.cs.ox.ac.uk/geomlab/home.html>

## Video

[Ethics in the Age of AI: Nigel Shadbolt, Oxford University](#)  
[The Josephus Problem - Numberphile](#)  
[Studying Computer Science at Cambridge - student interviews](#)

## Podcasts

[University of Oxford - Computer Science](#)  
[Radio 4 Podcasts - details](#)

## Competitions

[The British Informatics Olympiad](#)  
[UK Bebras - Computational Thinking Challenge](#)  
[National Cipher Challenge 2020](#)

## Other activities

[Project Euler: Problems](#)  
[Nuffield Research Placements | Student Programmes](#)  
[The world's leading software development platform · GitHub](#)  
[Micro:bit Educational Foundation | micro:bit](#)  
[Python Challenges - Christ Church, Oxford](#)  
[Teach, Learn, and Make with Raspberry Pi](#)

## Useful Links

<https://isaacomputerscience.org/>  
<https://www3.nhk.or.jp/nhkworld/en/tv/directtalk/20200319/2058617/>  
<https://www.olympiad.org.uk/>  
<https://www.cipherchallenge.org/>  
<https://github.com/>  
<https://microbit.org/>  
<https://www.chch.ox.ac.uk/admissions/python-challenges-page>  
<https://www.raspberrypi.org>

## Oxford research

[Securing the internet of the future](#)  
[Putting out 'Digital Wildfires' before they take hold](#)  
[The friendly face of robots](#)  
[Safety by design](#)  
[Computers at the heart of the matter](#)

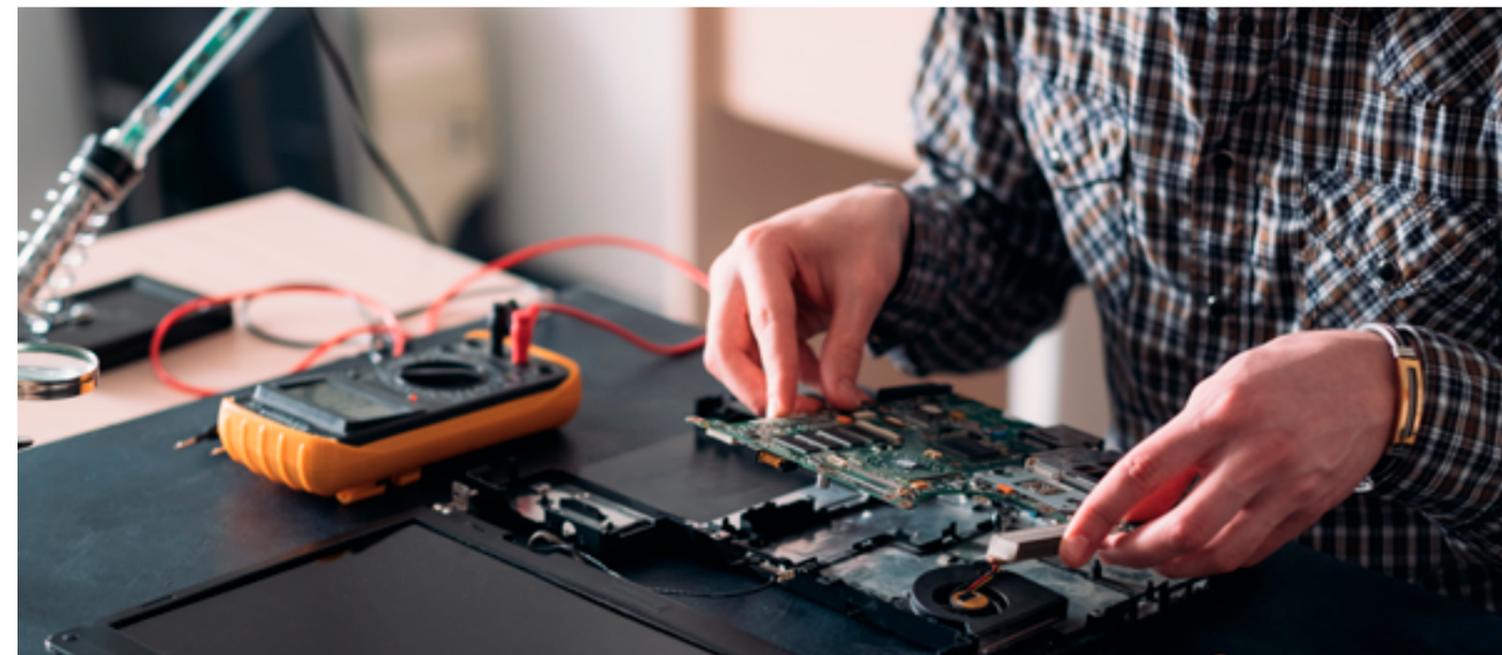
## Research videos

[60 Years of Computer Science](#)  
[Oxford and Cybersecurity 1 – the Internet and Policy](#)  
[Oxford and Cybersecurity 2 – Trusted Computing](#)  
[Oxford and Cybersecurity 3 – The Academic Edge](#)

## Also see resources

Mathematics, Natural Sciences

Cambridge University Course Film



# CRIMINOLOGY & LAW

Following current developments in the law is a pretty good enrichment exercise and reblog anything that interests you .

The Guardian has a law section - you sometimes have to search a little for it on their website but at least it is not behind a pay wall. If students have access to The Times, then this also has a good law section.

Law Society Gazette is also a good source for legal stories.

Joshua Rozenberg, a longstanding, well respected legal journalist who has worked for the BBC and various newspapers has his own Twitter feed and site, as well as continuing to contribute to mainstream media outlets.

Trips to courts have always been a really good thing to do. Students can make enquiries about access to a Crown Court.

Developing your legal skills website <https://www.thelawyerportal.com/blog/law-skills-develop/>  
Lawyer podcast how to become a criminal lawyer <https://www.thelawyerportal.com/podcast/>  
<https://www.thelawyerportal.com/free-guides/areas-legal-practice/how-to-become-a-criminal-lawyer-criminal-law/>

All about Agatha Christie (on the BBC); A History of Law with Harry Potter - the lawyer not the wizard and written for GCSE but highly entertaining in places

<https://www.bbc.co.uk/teach/class-clips-video/history-ks4-gcse-the-strange-case-of-the-law/zv3ft39>

Another interesting video course is with Harvard EDX and it is about learning contract law with Professor Charles Fried: <https://pll.harvard.edu/course/contractsx-trust-promise-contract?delta=7>

## Useful Links

<https://www.counselmagazine.co.uk/>  
<https://www.ba.law.cam.ac.uk/finding-out-more/learn-more-about-law>  
<https://medium.com/think-cambridge-law>  
<https://www.thelawyerportal.com/>  
<https://www.theylj.co.uk/>  
<https://www.theguardian.com/law>  
<https://www.justice.gov.uk/>  
<https://www.judiciary.uk/>  
<https://www.legislation.gov.uk/>  
<https://mcbridesguides.com/>  
<https://publiclawforeveryone.com/>  
<https://www.youtube.com/watch?v=kBdfcR-8hEY&list=PL30C13C91CFFEFEA6>  
<https://www.youtube.com/watch?v=hNS9U-Bv3Wg>  
<https://www.bbc.co.uk/programmes/b006tgy1>  
[https://twitter.com/BarristerSecret?ref\\_](https://twitter.com/BarristerSecret?ref_)  
<https://www.supremecourt.uk/visiting/index.html>

## Podcasts

**Radio 4 Podcasts - [details](#)**

## Reading

We recommend that you start by reading the court reports in broad sheet newspapers.

As the reading lists for the degree course change each year it isn't always advisable to buy text books in advance, but you may find one or more of the books from this list useful when preparing your application [Introductory reading for Law](#). It can be useful to look at the [list of law academics](#) on the departmental website and follow the links to their latest publications. All lecturers have their own lists, which change from year to year and include books and journal articles.

You may also like to read the BBC's website [Law in Action](#), and download their podcasts. Other recommendation are the [Guardian's law pages](#) and the [Counsel magazine](#).



# DANCE

- Books** Fifty Contemporary Choreographers. By Martha Bremser & Lorna Sanders.
- Ted talks** [https://www.ted.com/talks/wayne\\_mcgregor\\_a\\_choreographer\\_s\\_creative\\_process\\_in\\_real\\_time](https://www.ted.com/talks/wayne_mcgregor_a_choreographer_s_creative_process_in_real_time)
- You Tube** A performance at Sadlers Wells Theatre Sadlers Wells is a theatre in Angel, which hosts a variety of dance works from contemporary to hip-hop companies.  
<https://www.youtube.com/channel/UCA9CPXDU8Pnp2f9kQG8TX8w>  
Rambert Dance Company  
<https://www.youtube.com/user/rambertdancecompany>  
Take part in a dance class or holiday workshop at The Place

# DRAMA AND PERFORMING ARTS

- YouTube** National Theatre live
- Websites** Paper birds <https://www.thepaperbirds.com/>  
Frantic Assembly <https://www.franticassembly.co.uk/>  
Complicite [www.complicite.org/](http://www.complicite.org/)  
Punchdrunk <https://www.punchdrunkenrichment.org.uk/>
- Twitter** The Globe Theatre RSC (Royal Shakespeare Theatre)  
The Lyric theatre Donmar Warehouse  
The Playhouse Southark  
Trafalgar studios Michael Billington (theatre critic)  
The Stage (theatre newspaper)  
Time out (culture)
- Spotify** Paper birds playlist  
All Frantic Assembly playlists
- Books** Artaud – Theatre and its double  
Stanislavski and the Actor by Jean Benidetti  
Brecht on Theatre by J Willietts Meyhold on theatre



# DESIGN TECHNOLOGY OPPORTUNITIES

## D&AD New Blood Awards 2021

Kick start your career in advertising and design  
More info at:  
<https://www.dandad.org/en/d-ad-new-blood-awards/>

## Fitzwilliam College, Cambridge Essays:

More info at:  
<https://www.fitz.cam.ac.uk/admissions/undergraduate-admissions/opportunities-prospective-applicants/essay-competitions>

## The Clever Podcast

Design and inspiring interviews with top designers  
<http://www.cleverpodcast.com/>

## Product Design

<https://www.questod.co.uk/show/salvage-hunters>  
<http://www.thebigbangfair.co.uk/>  
<https://www.starck.com/>  
<https://www.innovate-design.co.uk/>  
<https://www.jamesdysonfoundation.co.uk/>  
<https://www.dezeen.com/design/>  
<https://www.designweek.co.uk/>  
<https://themadmuseum.co.uk/>  
<https://designmuseum.org/>



# ECONOMICS

## Royal Economic Society/Financial Times: Young Economist of the Year

More info at: <https://www.res.org.uk/education/young-economist-of-the-year.html>

## Institute of Economic Affairs: The IEA Budget Challenge

More info at: <https://iea.org.uk/the-iea-budget-challenge>

## Sutton Trust Summer Schools

At a range of universities

More info at: <https://summerschools.suttontrust.com/browse-courses/>

## LSE Essay Competition

More info at: <https://lseconsoc.org/>

Paul Krugman's writings are highly recommended. Begg, Fischer and Dornbusch's 'Economics' is one of the introductory textbooks widely used at Oxford.

You can find the [Economics reading list](#) and [Management reading list](#) online.

## Books

[Cambridge Economics department reading list](#)

## Journals/Articles

[The Economist - World News, Politics, Economics, Business & Finance plus magazine: Living Maths](#)  
[The Marshall Society - Essay Competition](#)

## Websites

[Maths for Economists Collection](#)  
[The Economist Educational Foundation](#)  
[Institute of Economic Affairs](#)  
[National Institute of Economic and Social Research](#)  
[International Monetary Fund](#)

## Video

[Faculty of Economics 2019 Open Day Presentation](#)  
[Advice for students thinking of applying to study Economics](#)  
[Child Health as Human Capital - lecture by Professor Janet Currie](#)

## Podcasts

[Freakonomics | The hidden side of everything](#)  
[50 Things That Made the Modern Economy](#)

## Competitions

[Young Economist of the Year](#)

## Oxford research

[The value of mutuality](#)  
[Geometry to the rescue](#)  
[Research led to Supreme Court ruling on removal of UK employment tribunal fees video](#)  
[The surprising uses of auctions video](#)

## Also see resources

Mathematics

Cambridge University Course Film

# EDUCATION

<b>Books</b>	<a href="#">Matheson, An Introduction to the Study of Education</a> <a href="#">Reay, Miseducation: Inequality, Education and the Working Classes</a> <a href="#">Young, The Rise of the Meritocracy</a>
<b>Journals/Articles</b>	<a href="#">Philosophy of Education (Stanford Encyclopedia of Philosophy)</a> <a href="#">Cambridge Journal of Education : Faculty of Education</a> <a href="#">Research and Theory Behind the Sociology of Education</a> <a href="#">Times Education Supplement</a>
<b>Authors</b>	Diane Reay Michael Young Raewyn Connell David Gillborn Kalwant Bhopal
<b>Websites</b>	<a href="#">Educational Psychology Interactive</a> <a href="#">Department for Education</a> <a href="#">Challenges of 21st Century Education - Online Course</a>
<b>Video</b>	<a href="#">Learning to Play and Playing to Learn</a> <a href="#">Toddlers Think for Themselves</a>
<b>Podcasts</b>	<a href="#">Oxford Department of Education Public Seminars</a>
<b>Also see resources</b>	English, Psychology, HSPS

Cambridge University Course Film



# ENGINEERING

<b>Books</b>	<a href="#">Cambridge Engineering department recommended reading</a> <a href="#">David MacKay Sustainable Energy without the Hot Air</a> <a href="#">There Is No Planet B</a>
<b>Journals/Articles</b>	<a href="#">Science news and science articles from New Scientist</a> <a href="#">Nature News &amp; Comment</a>
<b>Websites</b>	<a href="#">I Want to Study Engineering</a> <a href="#">Isaac Physics</a> <a href="#">National Grid: Live Status</a> <a href="#">Project Drawdown</a> <a href="#">ENGINEERING.com   Information &amp; Inspiration for Engineers</a> <a href="#">Explore NASA STEM</a> <a href="#">F1 in Schools UK</a> <a href="#">Greenpower: Home</a> <a href="#">Oxford Sparks: Bringing Oxford Science to Life</a> <a href="#">Brilliant   Learn to think</a> <a href="#">Royal Academy of Engineering</a>
<b>Videos</b>	<a href="#">Example Cambridge Engineering Interview</a>
<b>Podcasts</b>	<a href="#">BBC Radio 4 - In Our Time, Science</a> <a href="#">Radio 4 - More or Less: Behind the Stats</a>
<b>Competitions</b>	<a href="#">School Science Competitions</a>
<b>Other activities</b>	<a href="#">Learn Python 3</a> <a href="#">Python For Beginners</a> <a href="#">UK Mathematics Trust</a> <a href="#">EDT programmes</a> <a href="#">Arkwright Engineering Scholarships</a> <a href="#">Women in STEM - Women &amp; girls in science, tech, engineering and maths</a> <a href="#">Python Challenges - Christ Church, Oxford</a>
<b>Also see resources</b>	Mathematics, Natural Sciences

Cambridge University Course Film

# ENGLISH

For anyone wanting to study English Language/Linguistics at university it is recommended reading keeping an eye on Linguistics Research digest Linguistics Research Digest ([linguistics-research-digest.blogspot.com](http://linguistics-research-digest.blogspot.com)) and listening to 'Word of Mouth' from Radio 4 and the Lexis podcast. Also, there are constantly articles about language topics in the news.

Open learn course

<https://www.open.edu/openlearn/free-courses/full-catalogue>

## Books

Auerbach, Mimesis: The Representation of Reality in Western Literature

Eagleton, Literary Theory: An Introduction

Eco, The Name of the Rose

Fisher, Ghosts of my Life: Writings on Depression, Hauntology and Lost Futures

Greenblatt, Renaissance Self-Fashioning: From More to Shakespeare

Lewis, The Discarded Image: An Introduction to Medieval and Renaissance Literature

Nashe, The Unfortunate Traveller

Nuttall, Shakespeare the Thinker

Paterson, Reading Shakespeare's Sonnets: A New Commentary

Scarry, The Body in Pain: The Making and Unmaking of the World

Stewart, On Longing: Narratives of the Miniature, the Gigantic, the Souvenir, the Collection

## Journals/Articles

[London Review of Books](#)

[Literary Review | For People Who Devour Books](#)

[The Guardian Books website](#)

[The New Yorker](#)

## Poets

Frank O'Hara

John Ashbery

W.S. Graham

Lorine Neidecker

Joan Murray

Geoffrey Hill

Denise Riley

## Websites

[Cambridge Faculty of English resources](#)

[My HE English](#)

[The TLS Literature - Literature | The TLS](#)

[The Poetry Society – Connecting you to the transformative power of poetry](#)

[British Library Online](#)

[Shakespeare's Globe: Research and Collections](#)

[Great Writers Inspire](#)

[Poet Seers: Collection of poetry from around the world](#)

[Poetry Foundation](#)

## Video

[The Paris Review - discussions with authors](#)

## Podcasts

[BBC Radio 4 - In Our Time, Culture](#)

[Close Readings - LRB](#)

[Approaching Shakespeare](#)

[Oxford University Podcasts for English](#)

[The Paris Review - fiction, poetry and interviews](#)

## Useful links Literature

<https://www.shakespearesglobe.com/learn/research-and-collections/>

<http://writersinspire.org/>

<https://www.poetseers.org/>

<https://www.poetryfoundation.org/>

<https://www.theparisreview.org/video>

<https://www.bbc.co.uk/programmes/p01drwny>

<https://podcasts.ox.ac.uk/series/approaching-shakespeare>

<https://www.bl.uk/learning/online-resources>

<https://poetrysociety.org.uk/>

<https://www.the-tls.co.uk/categories/literature/>

<https://www.newyorker.com/tag/books>

<https://www.bbc.co.uk/programmes/b006qykl/episodes/player>

<https://www.theguardian.com/books>

<https://www.lrb.co.uk/>

<https://www.bbc.co.uk/programmes/b006qykl/episodes/player>

## Useful links Language

<https://new.linguistlist.org/>

<https://www.bl.uk/british-accent-and-dialects>

<https://sms.cam.ac.uk/media/3108981>

<https://sms.cam.ac.uk/media/2877879>

<https://sms.cam.ac.uk/media/2770009>

<https://sms.cam.ac.uk/media/3109069>

<https://allthingslinguistic.com/post/158682699892/linguistics-and-language-podcasts>

<https://babelzine.co.uk/the-babel-young-writers-competition-2/>

<https://www.britannica.com/science/phonetics>

<https://www.memrise.com/>

## Oxford research

[Dramatic research](#)

[Making Britain](#)

[Digitising Jane Austen's fiction manuscripts](#)

[On the joy of not rehearsing Shakespeare video](#)

## Also see resources

[Classics, Philosophy](#)

Cambridge University Course Film

## FILM / MEDIA

Students should read up about any Auteur film directors (i.e. Hitchcock, Coen Brothers, Wes Anderson, Spike Lee, Wong Kar Wai, Sally Potter, Martin Scorsese, Kathryn Bigelow, Chloe Zhao etc).

They could also go and watch foreign and arthouse films at The Duke of York's Cinema and the Depot in Lewes (which also puts on special courses).

They could look at the BFI website [www.bfi.org.uk](http://www.bfi.org.uk)

They could build on their portfolios by making a short film over the summer holidays too.

For Media Studies we recommend that students develop their knowledge and understanding of theoretical perspectives by reading up about them in the library and online.

They could also read the Guardian online <https://www.theguardian.com/uk/culture> to find out about current media debates and issues. They could do some creative work to expand their portfolios (make a poster/ design a DVD cover/ make an advert for TV/create storyboard etc)

They could read back issues of media magazine (in the Library) and listen to podcast e.g.

Radio 4 The Media Show <https://www.bbc.co.uk/sounds/brand/b00dv9hq>.



## GEOGRAPHY

### The Young Geographer of the Year

The Royal Geography society and geographical magazine organise an annual competition for those aged 9-18

More info at: <https://www.rgs.org/schools/competitions/young-geographer-of-the-year/>

### The National Schools Geology Challenge

Open to any students studying geology, geography or any other science A-Levels

More info at: <https://www.geolsoc.org.uk/geochallenge>

### FutureLearn

Offers a wide range of free, short courses on a variety of geographical topics. These include:

Concepts in sustainable development: An introduction to key issues

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

Migration and cities - <https://www.futurelearn.com/courses/migration-cities>

Future food: Sustainable food systems for the 21st century - <https://www.futurelearn.com/courses/future-food>

Valuing nature: should we put a price on ecosystems? - <https://www.futurelearn.com/courses/valuing-nature-should-we-put-a-price-on-ecosystems>

### Geographical Podcasts (Apple Podcasts)

University of Stanford

The School of Geography and Environment, Oxford

'Geography Island Jams', LSE

### Mark Blacksell Public Lecture Series

More info at: <https://www.plymouth.ac.uk/schools/school-of-geography-earth-and-environmental-sciences/mark-blacksell-public-lecture-series>

### Books

Dorling and Lee, Geography: Ideas in Profile

Jackson, Prosperity without growth: economics for a finite planet

Klein, This Changes Everything: Capitalism vs the Climate

Massey, For Space

Oppenheimer, [Eruptions that shook the world](#)

Pascoe, Dark Emu

Platt, The Great Flood: travels through a sodden landscape

Solnit, Infinite City

### Journals/Articles

[National Geographic](#)

[Science news and science articles from New Scientist](#)

[The Economist - World News, Politics, Economics, Business & Finance](#)

[Geography Review extras](#)

[Geographical Magazine](#)

[Geography- A journal by the Geographical Association](#)

### Authors

Danny Dorling

Naomi Klein

Robert Macfarlane

Hans Rosling

Rebecca Solnit

- Websites**
- [Learning resources for sixth-formers: Geography](#)
  - [Royal Geographical Society - Royal Geographical Society \(with IBG\)](#)
  - [Our World in Data](#)
  - [JNCC - Adviser to Government on Nature Conservation](#)
  - [The Geological Society](#)
  - [British Geological Survey \(BGS\) | A world-leading geoscience centre](#)
  - [World Mapper](#)
  - [Populations Past](#)
  - <https://www.rgs.org/geography/choose-geography/careers/use-geography/>
  - <https://www.geography.org.uk/jobs-and-careers-in-geography>
  - <https://lifemoreextraordinary.com/>
- Video**
- [Geography: Not just colouring in](#)
  - [Urbanisation by Dr Charlotte Lemanski](#)
  - [Urban Poverty by Dr Charlotte Lemanski](#)
- Podcasts**
- [Costing the Earth](#)
  - [More or Less](#)
  - [Social Science Bites – Doreen Massey 2013](#)
  - [Radio 4 Podcasts - details](#)
- Field trips**
- Take the opportunity to explore fascinating and beautiful parts of the country.
  - <https://en.wikipedia.org/wiki/Sussex>
  - [http://www.sussex.ac.uk/geography/researchprojects/coastview/Introduction\\_background/Sussex\\_blue\\_book\\_coasts.pdf](http://www.sussex.ac.uk/geography/researchprojects/coastview/Introduction_background/Sussex_blue_book_coasts.pdf)
  - <https://www.bbc.co.uk/bitesize/guides/zs4y6fr/revision/3>
  - <https://www.nationaltrust.org.uk/cuckmere-valley>
- Read National Geographic magazine**
- National Geographic is the world's most famous geography-related magazine, and it's the official magazine of the National Geographic Society.
  - <https://www.nationalgeographic.com/>
  - Check out <https://gb.readly.com/>
  - Open learn course
  - <https://www.open.edu/openlearn/free-courses/full-catalogue>
- Useful Links**
- <https://www.economist.com/>
  - <https://geographical.co.uk/>
  - <https://www.geography.org.uk/Journals/Geography>
  - <https://www.rgs.org/>
  - <https://www.netflix.com/gb/title/80066073>
  - <https://www.bbc.co.uk/programmes/b006r4wn>
  - <https://vimeo.com/151505680>
  - <https://www.youtube.com/watch?v=Gk8nNXNybc0>
  - <https://www.populationspast.org/imr/1861/#7/53.035/-2.895>
  - <https://worldmapper.org/>
  - <https://www.bgs.ac.uk/>
  - <https://www.geolsoc.org.uk/>
  - <https://jncc.gov.uk/>
  - <https://ourworldindata.org/>
  - <https://institutions.newscientist.com/>

- Oxford research**
- [Managing the risk of surface water flooding](#)
  - [Smartphones become Smart Stones](#)
  - [The value of a green and pleasant land](#)
  - [Getting critical](#)
  - [How changes to inland waters impact regional climates](#)
  - [Calculating the risks of coastal flooding and cliff erosion](#)
  - [How global warming is changing tropical forests](#)
- Research videos**
- [Climate Network](#)
  - [Avoiding infrastructure failure](#)
  - [Stopping floods on the cheap: A success story from Yorkshire](#)
- Also see resources**
- HSPS, Land Economy, Natural Sciences

Cambridge University Course Film



recommended.

# HISTORY

## University of Sheffield History Essay Competition

More info at:

<https://www.sheffield.ac.uk/history/essay-competition>

## The Julia Wood's Prize

History essay competition ran by St Hugh's College Oxford.

More info at:

<https://www.st-hughs.ox.ac.uk/prospective-students/outreach-at-st-hughs/julia-wood-history-essay-competition/>

## Peterhouse's Vellacott History Prize

History essay competition ran by Peterhouse College, Cambridge.

Contains Ancient History too which is applicable for Classics students.

More info at: <https://www.pet.cam.ac.uk/essay-prizes>

## Books

[Cambridge History faculty suggested reading](#)

[Fordham University History Sourcebooks](#)

Boyd-Hilton, A Mad, Bad and Dangerous People? England 1783-1846

Butterfield, The Whig Interpretation of History

Clark, The Sleepwalkers: How Europe Went to War in 1914

Gaddis, The Landscape of History: How Historians Map the Past

Jordanova, History in Practice

Lawrence, Me, Me, Me: The Search for Community in Post-war England

Roper, Martin Luther: Renegade and Prophet

Rublack, A Concise Companion to History

Said, Orientalism

## Journals/ Articles

[History Today | The world's leading serious history magazine](#)

[History Extra: BBC History Magazine & BBC World Histories Magazine](#)

[Reviews in History: Latest reviews](#)

## People

[The Online Atlas](#)

[History: British History in-depth British Museum](#)

[Historical Association – the UK national charity for history](#)

[The Royal Historical Society](#)

[Black Cultural Archives](#)

## Websites

[Gresham Lectures- History](#)

[Cambridge History Faculty YouTube channel](#)

## Podcasts

[Dan Snow's History Hit](#)

[Radio 4 - In Our Time, History](#)

[Historical Association Podcasts](#)

[Radio 4 Podcasts - details](#)

## Other activities

[Early Modern England: Politics, Religion, and Society under the Tudors and Stuarts](#)  
[Online World History and Archaeology Courses](#)

## Useful Links for History and Classics

<https://www.english-heritage.org.uk/learn/story-of-england/early-medieval/>  
<https://www.bbc.co.uk/programmes/p01dh5yg>  
<https://orbis.stanford.edu/>  
<https://www.youtube.com/playlist?list=PL023BCE5134243987>  
<https://www.open.ac.uk/Arts/introducing-classical-latin/>  
<https://www.open.edu/openlearn/history-the-arts/getting-started-on-classical-latin/content-section-0>  
<https://www.open.ac.uk/Arts/greek/>  
<https://www.open.edu/openlearn/history-the-arts/discovering-ancient-greek-and-latin/content-section-0?active-tab=description-tab>  
<https://www.duolingo.com/>  
<https://www.romansociety.org/>  
<https://www.csad.ox.ac.uk/links>  
<https://archive.org/details/omnibusmagazine>  
<https://oyc.yale.edu/history/hist-251>  
<https://www.history.org.uk/podcasts>  
<https://www.bbc.co.uk/programmes/p01dh5yg>  
<https://www.historyhit.com/podcast/dan-snows-history-hit/>  
<https://www.youtube.com/channel/UC6TzmDK1G1bsCtdyTUxwZCA/videos>  
<https://www.gresham.ac.uk/lectures/?subject=history>  
<https://artsandculture.google.com/project/black-cultural-archives>  
<https://royalhistsoc.org/>  
<https://www.britishmuseum.org/>  
<https://www.campop.geog.cam.ac.uk/research/projects/occupations/onlineatlas/>  
<https://www.historyextra.com/>  
<https://www.historytoday.com/>

## Do a free course

<https://www.open.edu/openlearn/>

<https://www.futurelearn.com/subjects/history-courses>

## Visit a Museum

Visit some great museums across Europe and blog about your experiences.

## Reading

One good way of broadening your historical horizons is to read one of the popular History magazines: [History Today](#) or BBC History, which has [weekly podcasts](#). You may like to look at the books which are being reviewed in the quality press.

You may also like to explore the websites of public institutions which have excellent links to historical materials, such as the [British Museum](#) or [BBC Radio 4 archives](#).

Lastly, delving into some historical sources can be a great way to develop your ideas and understanding. You could try exploring literature, art, music or even films produced by different societies, and consider what these can tell us about the people of that time.

Cambridge University Course Film

# HISTORY AND MODERN LANGUAGES

## Books

[MMLL department resources for students](#)  
[Cambridge History faculty suggested reading](#)  
Pierre Nora, Realms of Memory  
Ludmilla Jordanova, History in Practice  
Edward Saïd, Orientalism

## Journals/Articles

[History Today | The world's leading serious history magazine](#)  
[HistoryExtra: BBC History Magazine & BBC World Histories Magazine](#)  
[EL PAÍS: el periódico global](#)  
[Le Monde.fr - Actualités et Infos en France et dans le monde](#)  
[Le Figaro - Actualité en direct et informations en continu](#)  
[Toute l'actualité en direct - photos et vidéos avec Libération - Libération](#)  
[DER SPIEGEL | Online-Nachrichten](#)

## Authors

Carlos Fuentes  
García Márquez  
Isabel Allende

## Websites

[History Today | The world's leading serious history magazine](#)  
[History: British History in-depth](#)  
[Memrise - Learn a language. Meet the world.](#)  
[CRISCO - Dictionnaire des synonymes](#)  
[MYTF1 : TF1, TMC, TFX et TF1 Séries Films en replay ou en direct](#)  
[El Ministerio del Tiempo - Web Oficial](#)  
[Money Heist](#)

## Podcasts

[Radio 4 - In Our Time, History](#)

## Also see resources

History, Languages

Cambridge University Course Film

# HISTORY AND POLITICS

## Books

[Human, Social and Political Sciences suggested readings](#)  
[Cambridge History faculty suggested reading](#)  
[Politics reading list | Politics](#)

## Journals/Articles

[History Today | The world's leading serious history magazine](#)  
[British Politics: A Very Short Introduction](#)  
[Politics Review Extras Magazine Archives](#)

## Websites

[The Political Studies Association](#)  
[UK Parliament](#)  
[United Nations | Peace, dignity and equality on a healthy planet](#)  
[Chatham House: International Affairs Think Tank](#)  
[Amnesty International](#)

## Podcasts

[Talking Politics](#)  
[Radio 4 - In Our Time, History](#)  
[Thinking Allowed](#)

## Also see resources

History, Politics

Cambridge University Course Film



# HISTORY OF ART

## Books

[Cambridge History of Art department preparatory reading](#)

E.H. Gombrich, *The Story of Art*

[John Berger \*Ways of Seeing\*](#)

Griselda Pollock, *Vision and Difference*

Svetlana Alpers, *The Art of Describing*

John Ruskin

Edward Said, *Orientalism*, 1978.

T.J. Clark, *Image of the People*

Alberti, *On Painting 1450, On Sculpture, On the Art of Building 1443-52* Vasari,

*Lives of the Most Excellent Painters, Sculptors, Architects*

## Journals/Articles

[William Morris - The Lesser Arts of Life](#)

[The Long\(ish\) Read: "Ornament and Crime" by Adolf Loos](#)

[Why Have There Been No Great Women Artists?](#)

## Websites

[Royal Academy of Arts](#)

[Fitzwilliam Museum Online Resources](#)

[Grove Art Online](#)

[Explore art and culture through google](#)

[12 Museums From Around the World That You Can Visit Virtually | Travel + Leisure Collections](#)

[Art and visual culture: Medieval to modern: Alberti on painting -](#)

[OpenLearn - Open University - A226\\_1](#)

## Podcasts

[BBC Radio 4 - In Our Time, Culture](#)

## Also see resources

Architecture, Classics, History

Cambridge University Course Film

# HUMAN, SOCIAL, AND POLITICAL SCIENCES (HSPS)

## Books

[Cambridge Human, Social and Political Sciences suggested readings](#)

[Distinguished Scholarly Book Award](#)

## Journals/Articles

[British Politics: A Very Short Introduction](#)

[Politics Review Extras Magazine Archives](#)

[The Economist - World News, Politics, Economics, Business & Finance](#)

[British Journal of Sociology](#)

## Websites

[Cambridge Encyclopedia of Anthropology](#)

[The Royal Anthropological Institute](#)

[Discover Anthropology](#)

[Heywood Political Ideologies](#)

[British Sociological Association](#)

[The Political Studies Association](#)

[UK Parliament](#)

[United Nations | Peace, dignity and equality on a healthy planet](#)

[Chatham House: International Affairs Think Tank](#)

[Amnesty International](#)

## Video

[Sociology: School of Life](#)

[Youtube series on political theory](#)

## Podcasts

[Talking Politics](#)

[Thinking Allowed](#)

[From Savage to Self](#)

[Camthropod](#)

## Competitions

[Photography Competition 2020](#)

[RA Butler Prize – Department of Politics and International Studies](#)

## Also see resources

Economics, History, Psychology

Cambridge University Course Film

# LAND ECONOMY

**Books** [Cambridge Land Economy department suggested reading](#)

**Websites** [Institute of Economic Affairs](#)  
[INCC - Adviser to Government on Nature Conservation](#)  
[UK Environmental Law Association](#)

**Video** [Open City Documentary Festival Films - UCL Urban Lab](#)

**Other activities** [Finance & Quantitative Modeling for Analysts](#)

**Also see resources** Economics, Geography, Law

Cambridge University Course Film



# LAW

**Books** Barnard, O'Sullivan and Virgo, What About Law  
Berlins and Dyer, The Law Machine  
Bingham, The Rule of Law  
Kennedy, Misjustice: How British Law is Failing Women  
McBride, Letters to a Law Student: A Guide to Studying Law at University  
Williams, Learning the Law

**Journals/Articles** [Law - The Guardian](#)  
[Charles Dickens and the Law](#)  
[Counsel Magazine](#)

**Websites** [Learn More about Law](#)  
[Think Cambridge Law](#)  
[The Lawyer Portal | The Resource for Aspiring Legal Professionals](#)  
[The YLJ](#)  
[Justice.gov.uk](#)  
[Courts and Tribunals Judiciary](#)  
[Legislation.gov.uk](#)  
[Mcbridesguides: Helping you to Study Law](#)  
[Public Law for Everyone](#)

**Video** [Justice with Michael Sandel](#)  
[Example Oxford Law Admissions Interview](#)  
[Mental Health and the Law lecture by Richard Martin](#)

**Podcasts** [Law in Action](#)

**Other activities** [The Secret Barrister](#)  
[Visiting The Court](#)

**Also see resources** History, HSPS

Cambridge University Course Film

# LINGUISTICS

## Books

[Cambridge MMLL department preliminary reading](#)

Adger, Language Unlimited: The Science Behind Our Most Creative Power

Crystal, The Cambridge Encyclopedia of Language

Pinker, The Language Instinct: How the Mind Creates Language

Peterson, The Art of Language Invention

Roberts, The Wonders of Language, or How to Make Noises and Influence People

## Authors

David Crystal

Steven Pinker

## Websites

[The LINGUIST List](#)

[British Accents and Dialects](#)

## Video

[Change and stability in the native language of migrants](#)

[Stability and change in child language](#)

[Language learning and creativity](#)

[The acquisition and evolution of linguistic variation](#)

[Darling, dukeling, duckling: how historical corpora can verify predicted pathways of language change](#)

## Podcasts

[University of Oxford - Linguistics](#)

[Linguistics and Language Podcasts](#)

## Competitions

[The Babel Young Writers' Competition](#)

## Other activities

[Phonetics | linguistics | Britannica](#)

[Memrise - Learn a language. Meet the world.](#)

## Also see resources

Languages, Psychology

# MATHEMATICS

## The British Society for the History of Maths: Schools Plus Essay Competition

More info at: <https://www.bshh.ac.uk/plus>

## Oxford Mathematics Public Lectures and Events

Access to recordings of previous lectures held at the University of Oxford

More info at: <https://www.maths.ox.ac.uk/events/public-lectures-events>

## King's Factor

After-school maths club organised by King's College London for sixth form students

More info at: <https://www.kcl.ac.uk/mathematics/outreach>

## Books

[Cambridge University - Mathematics Faculty reading list](#)

Al-cock, How to Think About Analysis

Penrose, The Emperor's New Mind: Concerning Computers, Minds, and the Laws of Physics

Singh, Fermat's Last Theorem

Dunham, Euler: the Master of Us All

Alex's Adventure in Numberland – Alex Bellos

Alex through the looking glass – Alex Bellos

Algorithms to live your life by – Brian Christian and Tom Griffiths

Maths on the back of an envelope – Rob Eastaway

The Hidden Mathematics of sport – Rob Eastaway and John Haigh

The Numbers Game: Why everything you know about football is wrong – Chris Anderson & David Sully

Maths of Life and Death – Kit Yates

Maths on Trial: How numbers get used and abused in the courtroom – Leila Schneps

Coralie Colmez

The indisputable existence of Santa Claus – Hannah Fry, Thomas Oleron

Weapons of math destruction – Cathy O'Neil

Cogwheels of the mind: The story of Venn diagrams – A.W.F. Edwards and Ian Stewart

## Journals/Articles

[Science news and science articles from New Scientist](#)

[Plus Magazine - Living Mathematics](#)

## Websites

[Underground Mathematics: A level maths teaching resources](#)

[NRICH - Mathematics Resources for Teachers, Parents and Students to Enrich Learning](#)

[STEP support programme](#)

[TOM ROCKS MATHS](#)

[Brilliant | Learn to think](#)

[Royal Institution Masterclasses](#)

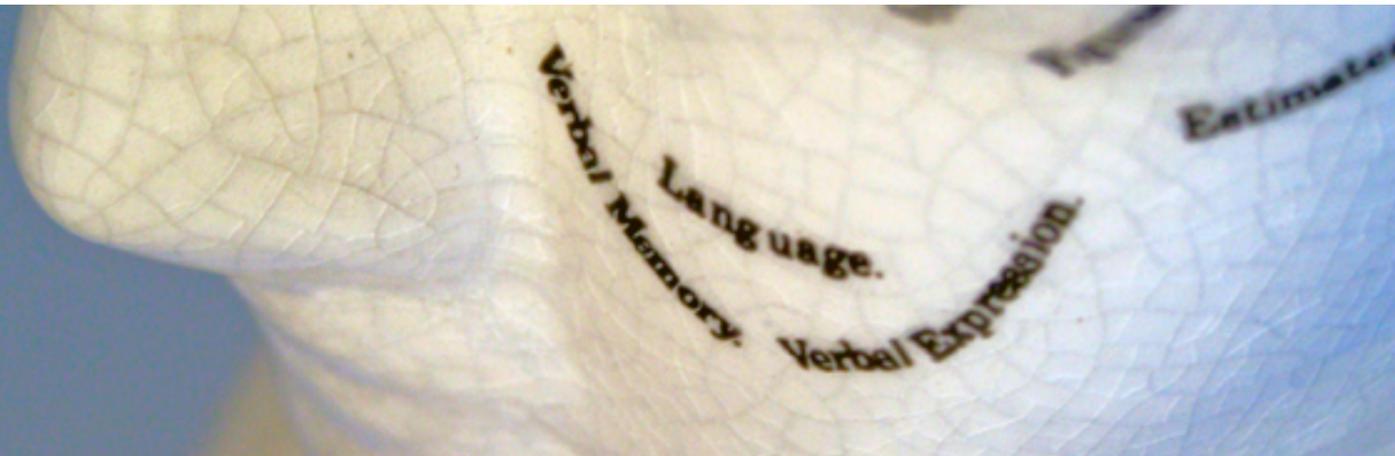
[Oxford Mathematics Alphabet](#)

[Bletchley Park Learning - External Resources](#)

[Millennium Mathematics Project](#)

[Dr Frost Maths](#)

[Mr Barton's Maths](#)



**Video** [Maths Olympiad Questions - 2017 IMO C1](#)  
[Ted Talks: Maths Talks to Blow your Mind](#)  
[Oxford University Maths Lectures](#)  
[London Mathematical Society](#)  
[Numberphile](#)

**Podcasts** [BBC Radio 4 - In Our Time, Science](#)  
[The NCETM Maths podcast](#)  
[Oxford University Maths Podcasts: The Secrets of Mathematics](#)  
[Inside the Ethics Committee](#)  
<https://www.bbc.co.uk/programmes/p02nrss1/episodes/downloads>  
<https://kpknudson.com/my-favorite-theorem>  
<https://podcasts.ox.ac.uk/series/secrets-mathematics>  
<https://www.bbc.co.uk/programmes/b00srz5b/episodes/downloads>  
<https://breakingmathpodcast.app/>  
<https://www.bbc.co.uk/programmes/b00snr0w/episodes/downloads>  
<https://www.bbc.co.uk/programmes/p00545hk>  
<https://relprime.com/>  
<https://podcasts.apple.com/gb/podcast/women-in-math-the-limit-does-not-exist/id1174064853>  
[Radio 4 Podcasts - details](#)

**Competitions** [UKMT Solo competitions](#)  
[International Mathematical Olympiad](#)  
[Home page | UK Mathematics Trust](#)

**Other activities** [Women in STEM - Women & girls in science, tech, engineering and maths](#)  
[PROMYS-Europe: Program in Mathematics for Young Scientists](#)  
[Birmingham Popular Maths Lecture](#)

**You Tube** [https://www.youtube.com/channel/UCYO\\_jab\\_esuFRV4b17AltAw](https://www.youtube.com/channel/UCYO_jab_esuFRV4b17AltAw)  
<https://www.youtube.com/channel/UCoxcjq-8xIDTYp3uz647V5A>  
[https://www.youtube.com/results?search\\_query=%E2%80%A2%09Veritasium](https://www.youtube.com/results?search_query=%E2%80%A2%09Veritasium)

**Enter Maths competitions** <https://www.ukmt.org.uk/>

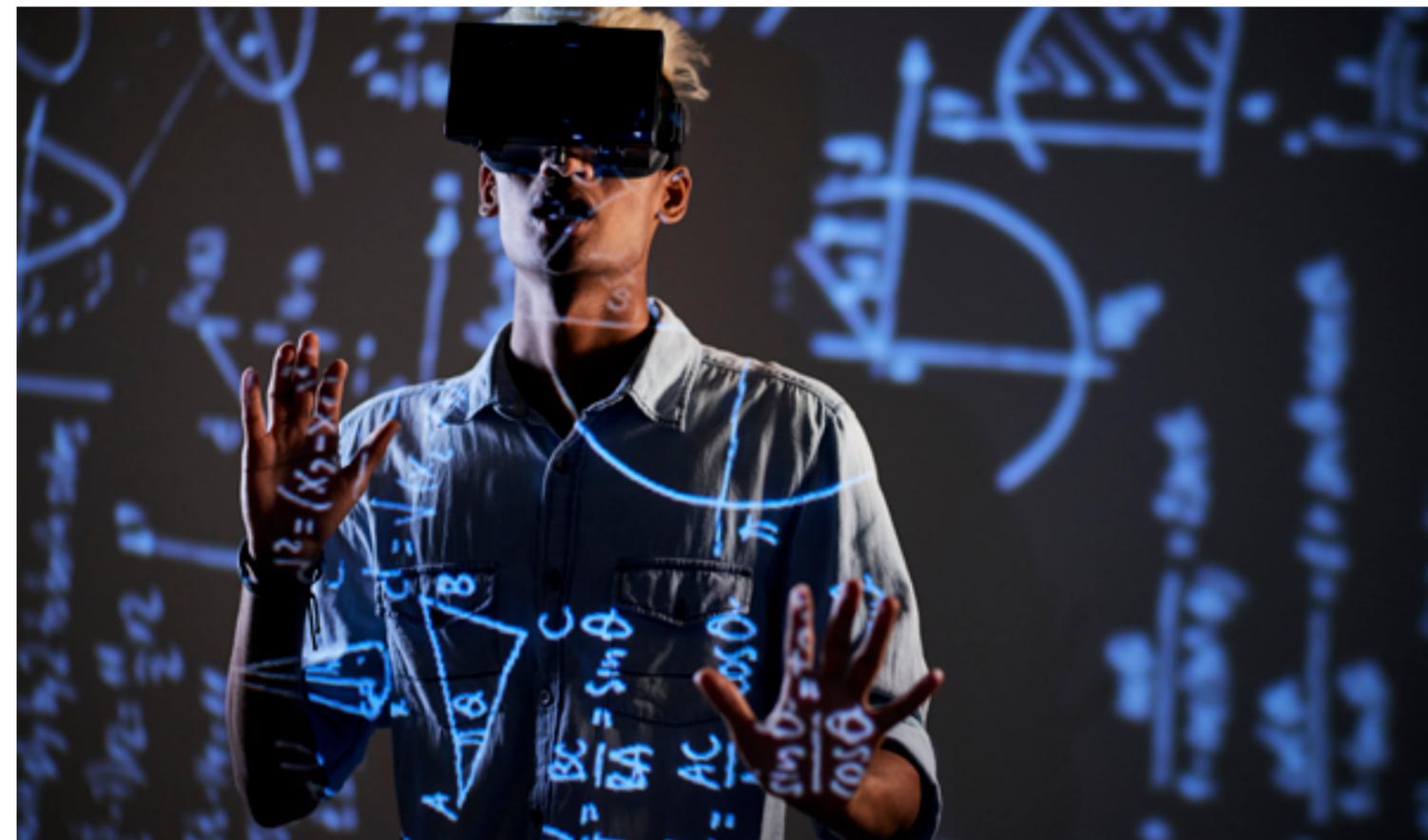
**Useful links** <https://brilliant.org/>  
<https://www.youtube.com/watch?v=uCsD3ZGzMgE>  
<https://nrich.maths.org/covid19>  
<https://plus.maths.org/content/>  
<https://www.youtube.com/channel/UCoxcjq-8xIDTYp3uz647V5A>  
<https://www.youtube.com/channel/UCvp7jsbXjx2k8sGEkdtWCAw>  
[https://www.youtube.com/channel/UCLnGGRG\\_uGSPLBLzyhg8dO/playlists](https://www.youtube.com/channel/UCLnGGRG_uGSPLBLzyhg8dO/playlists)  
[https://www.ted.com/playlists/189/math\\_talks\\_to\\_blow\\_your\\_mind](https://www.ted.com/playlists/189/math_talks_to_blow_your_mind)  
[https://www.youtube.com/watch?v=\\_VQFogfGwA](https://www.youtube.com/watch?v=_VQFogfGwA)  
<http://www.mrbartonmaths.com/students/>  
<https://www.drfrostmaths.com/>  
<https://maths.org/>  
<https://bletchleypark.org.uk/learning>  
<https://www.maths.ox.ac.uk/about-us/life-oxford-mathematics/oxford-mathematics-alphabet>  
<https://www.rigb.org/education/masterclasses>  
<https://tomrocksmaths.com/>

<https://maths.org/step/>  
<https://nrich.maths.org/>  
<https://undergroundmathematics.org/>  
<https://plus.maths.org/content/>  
<https://www.birmingham.ac.uk/schools/mathematics/news-and-events/birmingham-popular-maths-lecture.aspx>  
<https://promys-europe.org/>  
<https://www.womeninstem.co.uk/>  
<https://www.ukmt.org.uk/>  
<https://www.ukmt.org.uk/competitions/solo>  
<https://player.fm/series/the-ncetm-maths-podcast-2361943>  
<https://www.bbc.co.uk/programmes/p01gyd7j>  
<https://podcasts.ox.ac.uk/series/secrets-mathematics>

**Oxford research:** [Influencing HIV/AIDS policy in India through mathematical modelling](#)  
[Helping the 'Greeks' to run faster](#)  
[Mathematics in the design and manufacture of novel glass products](#)  
[Mathematical solutions for industry](#)  
[Sharing the beauty of networks video](#)  
[A computer model of the heart video](#)

**Also see resources** [Computer Sciences, Natural Sciences](#)

Cambridge University Course Film



# MEDICINE

## Books

[Oxford Introductory Reading](#)

Gawande, *Being Mortal: Medicine and What Matters in the End*  
Marmot, *The Health Gap: The Challenge of an Unequal World*  
Nashef, *The Naked Surgeon*

## Journals/Articles

[Science news and science articles from New Scientist](#)  
[The BMJ: leading medical journal. Research. Education. Comment](#)  
[The Lancet | The best science for better lives](#)

## Authors

Ben Goldacre  
Atul Gawande  
Michael Marmot

## Websites

[Basic Science Concepts for Med/VetST Students at Cambridge](#)  
[TeachMeAnatomy - Making Anatomy Simple](#)  
[Preparing for BMAT Admissions Testing](#)  
[British Medical Association](#)  
[Wellcome: Home](#)  
[The Physiological Society: Homepage](#)  
[Home - Institute of Biomedical Science](#)  
[Royal College of General Practitioners - Observe GP](#)

## Video

[Medicine Mock Interview \(1\) | Peterhouse, Cambridge](#)  
[Medicine Mock Interview \(2\) | Peterhouse, Cambridge](#)

## Podcasts

[BBC Radio 4 - In Our Time, Science](#)

## Other activities

[Volunteering Placements](#)  
[Volunteering opportunities](#)

## Oxford research

[Bringing together universities, industry and the NHS to benefit people in the Oxfordshire region and beyond](#)  
[Restoring Sight With Gene Therapy](#)  
[Cooling babies to save lives](#)  
[Innovative genomics](#)  
[Helping diabetes sufferers](#)  
[Transforming the diagnosis of Tuberculosis](#)  
[Mending broken hearts](#)  
[The million women study](#)

## Oxford research

[Helping the brain to control Parkinson's](#)  
[Combining cultures](#)  
[Preventing strokes](#)

## Research videos

[The TOBY Trial - cooling babies](#)  
[Tackling and tracking TB through DNA analysis](#)  
["Bionic eye" trial in Oxford](#)  
[Fighting Arthritis: the development of anti-TNF therapies](#)  
[The Paternal Age Effect: Identifying reproductive risks](#)

## Also see resources

Natural Sciences

Cambridge University Course Film



# MODERN AND MEDIEVAL LANGUAGES

## Watch films in the language you're studying

To support your learning of a language is to watch films in that language, as this will help you tune into the sounds of that language, as well as familiarising yourself with the country's culture. If you find it hard at first, you could watch with English subtitles to begin with.

## Read foreign-language newspapers

Keep abreast of news in the country in which your language is spoken, and develop your language skills at the same time, by reading a newspaper from that country. For example, if you were learning French, you could read Le Monde.

## Books

See 'Authors' for language-specific recommendations

Pinker, The Language Instinct

A Concise History of ... published by Cambridge University Press

French/German/Italian/Russian/Spanish Literature: A Very Short Introduction published by Oxford University Press

## Journals/Articles

[Polyglossia](#)

For newspapers in other languages see links below in websites section

## Authors

### French text

Albert Camus, L'étranger

Françoise Sagan, Bonjour tristesse

Joseph Joffo, Un sac de billes

### French film

Jean-Luc Godard, A bout de souffle

Mathieu Kassovitz, La Haine

Laurent Cantet, Entre les murs

### German text

Franz Kafka, Die Verwandlung

Friedrich Dürrenmatt, Der Besuch der alten Dame

Bernhard Schlink, Der Vorleser

### German film

Wolfgang Becker, Good bye, Lenin!

Florian Henckel von Donnersmarck, Das Leben der Anderen

Marc Rothemund, Sophie Scholl – Die letzten Tage

### Italian text

Italo Svevo, La coscienza di Zeno

Primo Levi, Se questo è un uomo

Natalia Ginzburg, Lessico familiare

### Italian film

Vittorio di Sica, Ladri di biciclette

Federico Fellini, La dolce vita

Matteo Garrone, Gomorrah

## Authors

### Portuguese text

José Saramago, A viagem do elefante

Lygia Fagundes Telles, Antes do Baile Verde

Luís Bernardo Honwana, Nós matámos o cão Tinhoso

### Portuguese film

Margarida Cardoso, A costa dos murmúrios

Walter Salles, Central do Brasil

Fernando Mereilles and Kátia Lund, Cidade de Deus

### Russian text

Natalia Baranskaia, A week like any other

Alexander Pushkin, Any short stories

Nikolai Gogol, Revizor

### Russian film

Andrey Zvyagintsev, Leviathan

Sergei Bodrov, Prisoner of the Mountains

Andrei Tarkovskii, Ivan's childhood

### Spanish text

Federico García Lorca, La casa de Bernarda Alba

Gabriel García Márquez, Crónica de una muerte anunciada

Isabel Allende, La casa de los espíritus

### Spanish film

Guillermo del Toro, El laberinto del fauno

Pedro Almodóvar, Volver

Sebastián Leilo, Una mujer fantástica

## Websites

### General:

[My HE Plus - Modern Languages](#)

[Multikultura](#)

[The TLS Languages & Linguistics - Languages & Linguistics | The TLS](#)

[ARTE, the European culture TV channel, free and on demand](#)

[Memrise - Learn a language. Meet the world](#)

### French:

[Le Monde.fr - Actualités et Infos en France et dans le monde](#)

[Le Figaro - Actualité en direct et informations en continu](#)

[Toute l'actualité en direct - photos et vidéos avec Libération - Libération](#)

[Culturethèque](#)

[TF 1](#) and [France 2](#) (French TV channels)

[L'Express](#)

[RTVC Radio Television Caraïbes, 94.5 FM, Port-au-Prince, Haiti | Free](#)

[Internet Radio](#) for Caribbean Radio

[Sud Quotidien](#) - one of Senegal's main daily papers.

[Le Soleil de Québec](#) - French Canadian news

**German:**

[Online Resources for German| Faculty of Modern and Medieval Languages and Linguistics](#) Dozens of links to newspapers, videos, podcasts, museum and cultural institutions, dictionaries and much more!  
[DER SPIEGEL | Online-Nachrichten](#)

**Italian:**

[Corriere della Sera - Ultime Notizie](#)  
[www.rai.it](#) Italian TV  
[www.la7.it](#) Italian TV  
[www.radio.rai.it/](#) Italian radio  
[La Repubblica](#) – newspaper  
[La Stampa](#) – newspaper  
[www.italia.it](#) Italian places of interest

**Portuguese:**

<https://www.youtube.com/user/portadosfundos> Brazilian comedy group  
<http://www.publico.pt/> Jornal Público, Portugal newspaper  
<http://www.expresso.pt/> Expresso, Portugal newspaper  
<http://www.bbc.co.uk/portuguese/> BBC Brazil  
<http://oglobo.globo.com/> O Globo, Brazil newspaper  
[www.valor.com.br](http://www.valor.com.br) Valor, Brazil newspaper  
<http://www.rtp.pt/play/> Portuguese TV and radio  
<http://radios.ebc.com.br/> Brazilian TV and radio

**Russian:**

<http://www.aif.ru/> - news  
<http://www.gazeta.ru> – news  
<https://rg.ru/> - news  
<https://www.kartina.tv/en> (Russian TV station)  
<https://www.youtube.com/user/mosfilm> - films, many with English subtitles

**Spanish:**

[Corpus de conversaciones en español](#): short clips featuring everyday conversations with speakers from various Spanish-speaking countries.  
[Catálogo de voces hispánicas \(Instituto Cervantes\)](#): short clips featuring examples of Spanish from different parts of Spain and Latin America  
[Spanish podcasts](#): podcasts of Spanish speakers in a variety of situations, discussing a range of topics. With transcripts.  
[Lyricstraining](#): listen to your favourite music while listening to Spanish and improving your listening skills and vocabulary.  
[Spanish podcasts](#): podcasts of Spanish speakers in a variety of situations, discussing a range of topics. With transcripts.  
[Prensa escrita](#): links to all daily papers in the Hispanic world.  
[BBC Mundo](#)  
[RTVE Televisión española](#): Spanish TV  
[VerCanalesTV1.com](#) – access to lots of TV channels

**Useful Link**

<https://www.duolingo.com/>  
<https://www.bbc.com/mundo>  
<https://www.rtve.es/>  
<https://www.prensaescrita.com/>  
<https://lyricstraining.com/>  
[app?nr=1&~channel=web&~feature=redirect&~campaign=none&ref=https%3A%2F%2Flyricstraining.com%2F](https://app?nr=1&~channel=web&~feature=redirect&~campaign=none&ref=https%3A%2F%2Flyricstraining.com%2F)  
[https://cvc.cervantes.es/lengua/voces\\_hispanicas/default.htm](https://cvc.cervantes.es/lengua/voces_hispanicas/default.htm)  
<https://edblogs.columbia.edu/corpusdeconversaciones/>  
<https://www.spiegel.de/consent-a-?targetUrl=https%3A%2F%2Fwww.spiegel.de%2F>  
<https://www.mml.cam.ac.uk/german/resources/online>  
<https://www.lapresse.ca/soleil/>  
<https://tunein.com/radiotelevisioncaraibes/>  
<https://www.lexpress.fr/>  
<https://www.france.tv/france-2/>  
<https://www.tf1.fr/>  
[https://www.culturetheque.com/GBR/modalites-dinscriptions.aspx?\\_lg=en-us](https://www.culturetheque.com/GBR/modalites-dinscriptions.aspx?_lg=en-us)  
<https://www.liberation.fr/>  
<https://www.lemonde.fr/>  
<https://www.memrise.com/>  
<https://www.arte.tv/en/>  
<https://www.the-tls.co.uk/categories/languages-llinguistics/>

**Oxford research:**

[Shedding new light on Tchaikovsky's Eugene Onegin](#)  
[Writing Brecht, living well](#)

**Other activities**

Netflix language films and series  
 Mubi – films in many languages

**Also see resources**

History, HSPS, Linguistics, Philosophy

Cambridge University Course Film



# MUSIC

## Opportunities

### Take graded instrument exams

You should be able to offer concrete evidence of your musical ability

### Perform

You'll understand music in a lot more depth if you're able to perform it yourself. There will likely be a performance element to your A-level – you'll probably be required to give a recital – but there are plenty of other performance opportunities. Join an orchestra, choir or other music group to expand your experience of making music.

### Compose

Carry a notebook with you, so you can jot down ideas when you're out and about. Again, composition is part of the A-level Music syllabus, but the more of it you can do in your spare time, the better. Experiment with creating different sorts of music using composition software such as Sibelius. One way you could challenge yourself is by watching a segment of a film with the sound off and coming up with a soundtrack for it.

### Go to concerts

Hearing other people perform music is also important, and it's a good way of expanding your knowledge of different genres.

## Open learn course

<https://www.open.edu/openlearn/free-courses/full-catalogue>

Cook, Music: A Very Short Introduction

Harper-Scott Samson: An Introduction to Music Studies

## Books

Cook, Music: A Very Short Introduction

Harper-Scott and Samson, An Introduction to Music Studies

## Journals/Articles

[Open Music Library](#)

## Websites

[Faculty of Music Resources for Students](#)

[My HE Plus - Music](#)

[Royal Academy of Music](#)

[Discovering Music: early 20th century](#)

[The research blog for the Faculty of Music, University of Cambridge](#)

## Video

[Gresham Music Lectures](#)

[Faculty of Music, University of Cambridge](#)

## Podcasts

[Radio 3 - Composer of the Week](#)

## Useful Links

<https://alexanderstreet.com/oml>

<https://www.mus.cam.ac.uk/applicants/undergraduate/student-resources>

<https://www.bl.uk/20th-century-music>

<https://musicatcambridge.wordpress.com/>

<https://www.gresham.ac.uk/lectures/?subject=music>

<https://www.youtube.com/channel/UCOiKZ8U3pCkvZ0a00EHSjNw>

<https://www.bbc.co.uk/programmes/p02nrvd3/episodes/downloads>

## Also see resources

History

Cambridge University Course Film



# NATURAL SCIENCES

## Books

[Cambridge Natural Sciences reading list](#)  
[The Feynman Lectures on Physics](#)

## Journals/Articles

[New Scientist | Science news and science articles](#)  
[Young Scientists Journal](#)  
[Educational Magazines - Biological Sciences Review](#)  
[Nature Journal](#)  
[symmetry magazine | dimensions of particle physics](#)  
[ParticleBites – The high energy physics reader's digest](#)  
[News Center](#)  
[The Scientist Magazine - Life Sciences News and Articles](#)  
[Scientific American: Science News, Articles, and Information](#)

## Websites

[Welcome | Oxford Sparks: Bringing Oxford Science to Life](#)  
[Things We Don't Know](#)  
[Brilliant | Learn to think](#)  
[Stanford Encyclopedia of Philosophy](#)  
[BBC Science and Environment news](#)  
[Oxford Science Blog](#)

[Isaac Physics](#)  
[COVID-19: Using Isaac to learn and teach](#)  
[physics.org | Home](#)  
[CERN Resources](#)  
[Mastering Physics](#)  
[Physics zone](#)  
[PhysicsLAB NextTime Questions](#)

[Introducing Isaac Chemistry](#)  
[Chemistry World: Chemistry news, research and opinions](#)  
[Home - Bio Chemistry](#)  
[Analytical teaching resources](#)  
[Synthesis Explorer](#)  
[Prepare for University - Mathematical Chemistry](#)  
[The Royal Society of Chemistry](#)  
[Structure Drawing Software for Academic and Personal Use | ACD/ChemSketch](#)

[Galaxy Zoo » About](#)  
[Explore NASA STEM](#)

[Royal Botanic Gardens, Kew](#)  
[Royal Society of Biology resources](#)  
[Conservation Science - Zoological Society of London](#)

[Natural History Museum Schools](#)  
[Explore Natural Science through google](#)

## Videos

[The Royal Society](#)  
[Chemistry in the Garden](#)  
[Wothers.com](#)  
[BBC iPlayer - Science & Nature Documentaries](#)  
[iBiology – Bringing the world's best biology to you, for free!](#)  
[Four - Chemistry: A Volatile History](#)  
[Programmes categorised as Factual: Science & Nature](#)

## Podcasts

[BBC Radio 4 - In Our Time, Science](#)  
[The Life Scientific](#)  
[Naked Scientists Online, Science Podcast and Science Radio Show](#)  
[Science in Action](#)  
[Chemistry podcasts & science storytelling](#)  
[Periodic Table: Podcast](#)  
[Department of Chemistry, Oxford](#)  
[Physics Podcasts](#)  
[Ologies Episodes](#)  
[Department of Biology, Oxford](#)

## Competitions

[Cambridge Chemistry Challenge](#)  
[Schools Writing Competition](#)  
[The British Physics Olympiad: Home](#)  
[UK Chemistry Olympiad](#)  
[British Biology Olympiad](#)  
[CREST Awards](#)

## Other activities

[Puzzles | Ask A Biologist](#)  
[Women in STEM - Women & girls in science, tech, engineering and maths](#)  
[Desmos | Beautiful, Free Math](#)  
[Plant ID: getting started](#)

## Also see resources

[Chemical Engineering, Computer Science, Engineering, Mathematics, Medicine](#)

[Cambridge University Course Film](#)

[Cambridge University Course Film](#)

# PHILOSOPHY

## Books

Annas, Ancient Philosophy: A Very Short Introduction  
Beaney, Analytic Philosophy: A Very Short Introduction  
Blackburn, Think: A Compelling Introduction to Philosophy  
Critchley, Continental Philosophy: A Very Short Introduction  
Descartes, Meditations on First Philosophy  
Mill, On Liberty  
Plato, Meno  
Russell, The Problems of Philosophy

## Websites

[Cambridge Philosophy Reading List](#)  
[Philosophy Podcasts](#)  
[Stanford Encyclopedia of Philosophy](#)  
[Philosophical Society.com](#)  
[Game: ir/rational Redux](#)

## Video

David Chalmers (Philosophy of Mind)  
Daniel Dennett (Philosophy of Mind)  
Jaegwon Kim (Philosophy of Mind)  
Noam Chomsky (Philosophy of Language)  
Peter Singer (Ethics)  
Philippa Foot (Ethics)

## Podcasts

[BBC Radio 4 - In Our Time, Philosophy](#)  
**Radio 4 Podcasts** – [details](#)  
'Moral Maze' - Accessible discussion about morality. Might be some good ideas for the EPQ.  
'The Public Philosopher' - Harvard philosopher Michael Sandel examines the thinking behind a current controversy.

## Useful Links

<https://www.bbc.co.uk/programmes/p01f0vzr>  
<https://www.phil.cam.ac.uk/podcasts-link/podcasts-philosophy>  
<https://www.philosophicalsociety.com/>  
<https://plato.stanford.edu/>

## Oxford research

[Empires of Faith video](#)

## Also see resources

Classics, History, Maths

# PHYSICS

## Cambridge/Isaac Physics Senior Physics Challenge

As a reward for solving questions on IsaacPhysics, you can be invited to the University of Cambridge for a 5 day all-paid for residential course. Here you will engage in problem solving in the field of Quantum Mechanics, with 50 other students

More info at: <https://isaacphysics.org/pages/spc>

## I Want To Study Engineering

A website for practicing problem solving for both Physics and Engineering; Highly recommended for those wishing to apply for a Physics/Engineering related degree

More info at: <https://i-want-to-study-engineering.org/>

## Oxford Scientist Essay Contest

700 words on the question; "How important is creativity important in science?"

More info at: <http://oxsci.org/schools/>

## The Feynman Lectures on Physics

A series of lectures from Nobel Prize winning Physicist Richard Feynman

More info at: <https://www.youtube.com/watch?v=QRE0GxT6Zbw>

## Books

The Feynman lectures in Physics  
Storm in a Teacup: The Physics of everyday Life  
Why does  $E=mc^2$  (and why we should care)  
The Quantum Universe: Everything that can happen does happen  
Seven Brief Lessons on Physics  
How to count to Infinity  
Professor Povey's Perplexing Problems in Physics  
15 million degrees: a Journey to the Centre of the Sun

## Podcasts & YouTube

Richard Feynman's Messenger Lecture series  
The infinite monkey cage  
More or less  
The Life Scientific  
Festival of the Spoken Nerd  
Numberphile  
A Brief History of Mathematics  
The curious cases of Fry and Rutherford

## Television

The Sky at Night  
Wonders of the Universe  
The Joy of Data

## Oxford research

[Near-perfect distance measurement](#)  
[Cheaper, smaller, super-resolution](#)  
[To the Zooniverse and beyond](#)  
[Particle accelerator physics for the masses](#)  
[A revolution in solar power technology](#)  
[How to be certain of uncertainty in climate and weather forecasts](#)  
[How do quantum physicists affect industry? video](#)

# POLITICS

## Useful Links

<https://www.historytoday.com/>  
<https://www.psa.ac.uk/>  
<https://www.parliament.uk/>  
<https://www.un.org/en/>  
<https://www.chathamhouse.org/>  
<https://www.amnesty.org/en/>  
<https://www.talkingpoliticspodcast.com/>  
<https://www.bbc.co.uk/programmes/p01dh5yg>  
<https://www.bbc.co.uk/programmes/b006qy05>  
<https://www.psa.ac.uk/>  
<https://www.macmillanihe.com/companion/Heywood-PoliticalIdeologies/resources/Chaptersummaries/#Conservatism>

## Podcasts

### Radio 4 Podcasts - [details](#)

Political thinking with Nick Robinson' - political journalist, Nick Robinson, explores various themes.

Yesterday in Parliament' - kind of obvious really but great for politics students to keep up-to-date.



# PSYCHOLOGICAL AND BEHAVIOURAL SCIENCES (PBS)

## Books

Blakemore, *Inventing Ourselves: The Secret Life of the Teenage Brain*  
Eysenck and Keane, *Cognitive Psychology: A Student's Handbook*  
Damasio, *Self comes to mind: constructing the conscious brain*  
Hogg and Vaughan, *Essentials of Social Psychology*  
Hrdy, *Mothers and Others: The Evolutionary Origins of Mutual Understanding*  
Johnson and de Haan, *Developmental Cognitive Neuroscience: An Introduction*  
Kahneman, *Thinking, Fast and Slow*  
LeDoux, *Synaptic Self: How Our Brains Become Who We Are*  
Pinker, *How the Mind Works*  
Sacks, *The Man Who Mistook His Wife for a Hat*  
Schaffer, *Key Concepts in Developmental Psychology*  
Ward, *A Student's Guide to Cognitive Neuroscience*  
Abnormality  
The Man Who Mistook His Wife for a Hat – Oliver Sacks  
Phantoms in the Brain – V. S. Ramachandran  
The Frog Who Croaked Blue – Jamie Ward (synaesthesia)  
Gender  
Why Men Don't Listen and Women Can't Read Maps – Allan and Barbara Pease  
The essential difference: Men, women and the extreme male brain – Simon Baron-Cohen  
Evolution  
The Selfish Gene – Richard Dawkins  
The Language of Genes – Steve Jones  
Sleep  
Counting Sheep – Paul Martin  
Head Trip – Jeff Warren  
Science/Ethics  
Bad science – Ben Goldacre  
Bad pharma; How drug companies mislead doctors and harm patients – Ben Goldacre

## Journals/Articles

[Nature Human Behaviour](#)

## Websites

[Psychology AZ | Department of Psychology](#)

## Video

[What's PBS at Cambridge like?: Interviews with current students](#)

[Gresham Lectures - Psychology](#)

Human Instinct – Deepest Desires (youtube) an amusing exploration of the parental investment theory, with Robert Winston

Brain Story (youtube) BBC documentary about neurological disorders including synaesthesia and Capgras delusion

The Brain: A Secret History (vimeo) a channel 4 documentary similar to "Brain Story" but more recent, with Michael Moseley

## Podcasts

[Radio 4 - All in the Mind](#)  
Radio 4 Podcasts - [details](#)

## Radio shows

Radio 4 Mind Changers includes documentaries on Dora and Little Hans and a programme about systematic desensitisation  
Ramachandran Reith lectures a series of lectures loosely based on his book "Phantoms in the Brain"

## Useful Links:

<https://www.bbc.co.uk/programmes/b006qxx9/episodes/player>  
<https://www.gresham.ac.uk/watch/?subcat=psychology>  
<https://www.nature.com/nathumbehav/>

## Reading

Please [see here for suggested reading](#) for Experimental Psychology. This document also includes reading suggestions for those interested in the Psychology, Philosophy and Linguistics course.

## Research videos

[Improving Access to Psychological Therapies: Using evidence to change policy](#)  
[Spread the word](#)  
[How people with depression see faces](#)  
[From the Minds of Babes: New frontiers in paediatric pain](#)

## Also see resources

HSPS, Natural Science

Cambridge University Course Film

# SOCIOLOGY / ANTHROPOLOGY

## Useful Links:

<https://www.britsoc.co.uk/>  
<https://www.discoveranthropology.org.uk/>  
<https://therai.org.uk/>  
<https://www.anthroencyclopedia.com/>  
<https://www.lse.ac.uk/sociology/british-journal-of-sociology>  
<https://www.youtube.com/watch?v=Rzr3A0tFA8o&list=PLwxNMb28XmpcoeCDO0VnGUavcLUFiNcAI>

## Podcasts

**Radio 4 Podcasts - [details](#)**  
'Thinking Allowed' - Professor of Sociology addresses various themes and new sociological research.



# THEOLOGY, RELIGION, AND PHILOSOPHY OF RELIGION

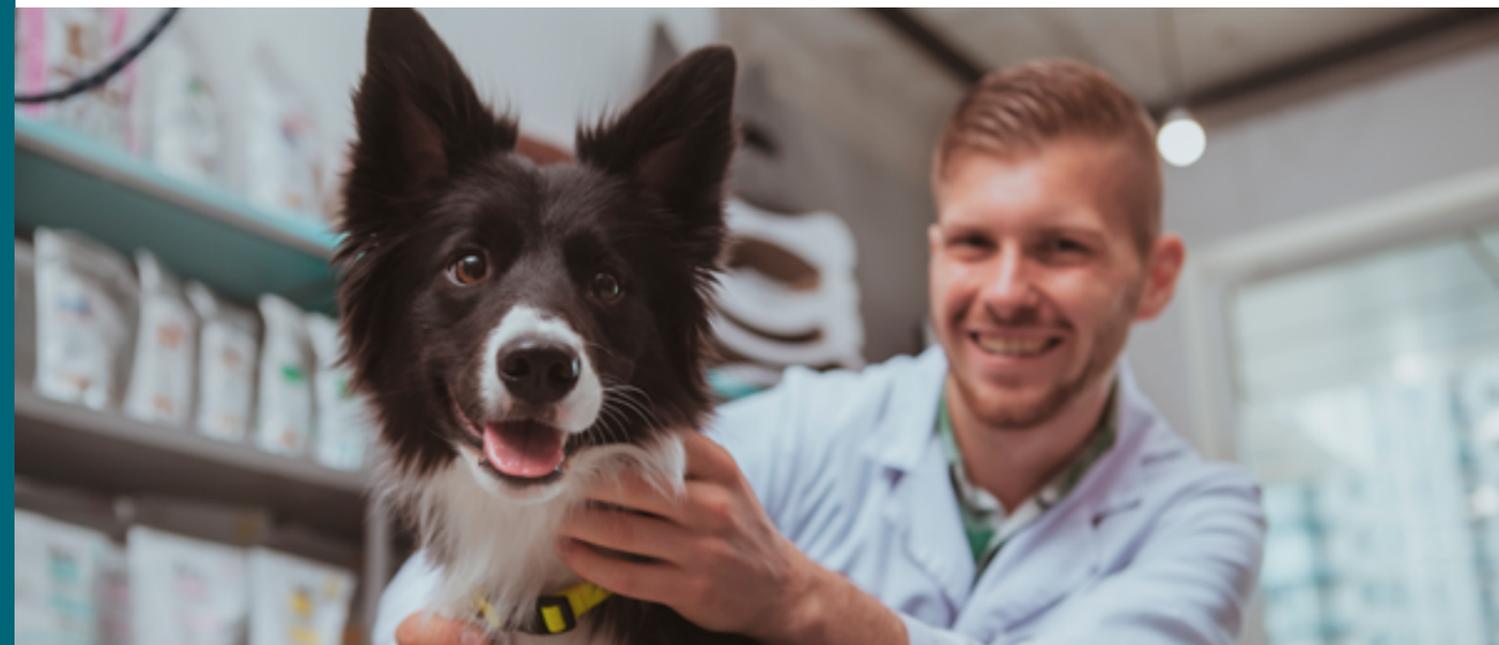
- Books** [Faculty of Divinity introductory reading](#)
- Websites** [My HE Plus - Religious Studies](#)  
[Ian Ramsey Centre for Science and Religion](#)  
[Treasure Archive](#)  
[Ecclesiastical History Society](#)  
[Beginning New Testament Greek](#)  
[The Religious Studies Project – Resources on the Contemporary Social- Scientific Study of Religion](#)
- Video** [Student Interviews about the Theology Course](#)  
[Gresham Lectures - Religion](#)
- Podcasts** [BBC Radio 4 - In Our Time, Religion](#)
- Useful Links** <https://www.natre.org.uk/about-natre/projects/spirited-arts/spirited-arts-2020/>  
<https://thepanpsycast.com/panpsycast2/category/Philosophy+of+Religion>  
<https://podacre.blogspot.com/>  
<https://www.woolf.cam.ac.uk/podcasts>  
<https://www.bbc.co.uk/programmes/p01gvqlg>  
<https://www.religiousstudiesproject.com/>  
<https://eccleshistsoc.wordpress.com/>  
<https://www.ianramseycentre.info/>  
<https://www.open.edu/openlearn/history-the-arts/culture/religious-studies>  
<https://www.faraday.cam.ac.uk/>
- Also see resources** English, Philosophy

Cambridge University Course Film

# VETERINARY MEDICINE

- Reading** [Basic Science Concepts for Med/VetST Students](#)  
Also see reading lists for Natural Sciences, Medicine, and Maths
- Journals/Articles** [Science news and science articles from New Scientist](#)
- Authors** Emma Milne - a vet, author and animal welfare enthusiast.
- Websites** [BVA - British Veterinary Association](#)  
[I want to be a vet - Royal College of Veterinary Surgeons](#)
- Video** [Blue Planet II](#)  
[BBC One - Countryfile](#)
- Podcasts** [BBC Radio 4 - In Our Time, Science Ologies Episodes](#)
- Other activities** Inside Nature's Giants documentary series
- Also see resources** Medicine, Natural Science, Maths

Cambridge University Course Film



# GENERAL RESOURCES FOR ALL SUBJECTS

## Reading

[Downing College, Cambridge - resources database](#)  
[University College, Oxford Staircase 12 collection of recommended books](#)  
[Christs College, Cambridge Online learning resources](#)  
[Homerton College, Cambridge Resources for Prospective Applicants](#)  
[King's College, Cambridge Reading Lists](#)  
[Newnham College, Cambridge, subject lists](#)  
[St John's College, Cambridge Resources for Schools](#)  
[Oxford University - Suggested reading and resources](#)  
[The Bookshelf - Worcester College, Oxford](#)  
[LibreTexts - Free The Textbook](#)

## Websites

[HE+: What do you want to discover today?](#)  
[Cambridge Digital Library - University of Cambridge](#)  
[Oxford and Cambridge Collaborative Outreach Network](#)  
[Very Short Introductions - discover VSIs from Oxford now online](#)  
[Explore | The Home of Big Questions](#)  
[Here are 450 Ivy League courses you can take online right now for free resources](#)  
[National Geographic](#)  
[My Mooc: Browse the best MOOC and free online learning resources in the world](#)  
[Coursera | Build Skills with Online Courses from Top Institutions](#)  
[The Brilliant Club free online resources](#)

## Video

[Cambridge University](#)  
[Hay Festival Education](#)  
[Jesus College, Oxford. Seren Summer School Academic Lectures](#)  
[Science for the entire family, Royal Institution](#)

## Podcasts

[Sounds - Categories](#)  
[In Our Time](#)  
[The Forum](#)  
[The Reith Lectures](#)  
[The Life Scientific](#)

## Competitions

[Oxford and Cambridge Collaborative Outreach Network](#)

## Other activities

Reading quality news sources can be a useful way to encounter stories relevant to your academic interests and, more generally, to practise assessing arguments and weighing evidence. Some suggestions include: Broadsheet newspapers: The Guardian, The Times, Independent, Daily Telegraph

BBC News online: [www.bbc.co.uk/](http://www.bbc.co.uk/)

Al Jazeera English: [www.aljazeera.com/](http://www.aljazeera.com/)

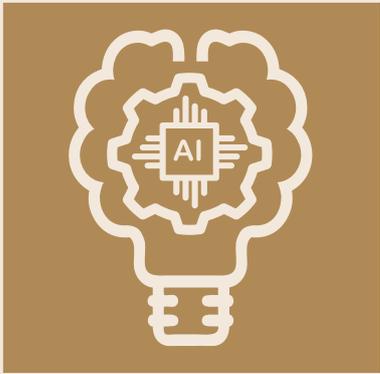
The Economist: [www.economist.com/](http://www.economist.com/)

CNN online: <http://edition.cnn.com/>

The New Statesman magazine: [www.newstatesman.com/](http://www.newstatesman.com/)

An online resource that brings together leading thinkers in their fields and within broad subject areas – mind, life, culture, universe and technology. Expert conversations range from Alzheimer's prevention to How to be a systems thinkers. <https://www.edge.org/videos>





# NXT GEN INNOVATORS

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



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