

# Super-curricular suggestions

Strong applicants to Cambridge and other competitive universities tend to have explored their chosen subject through wider reading outside the classroom, as well as doing very well in their <u>GCSEs</u> and <u>A-levels</u>. We call this sort of exploration 'super-curricular', as it builds on and enhances what you are studying in school. We do not expect you to pay for this sort of exploration and have endeavoured to provide resources that are mostly freely available.

This selection of suggested reading lists and resources has been gathered from the Cambridge departmental and College websites, other universities and other sources on the internet. These lists are certainly NOT 'required reading' for Cambridge applicants. They simply provide some suggestions for places to start exploring your own interests in your chosen subject independently - you do not need to engage with any of the specific websites, books, podcasts etc mentioned and can easily find your own alternatives. **The following lists are suggestions only.** 

It is important to read critically by thinking carefully about the arguments, assumptions and evidence presented by the author. Reading is a great way to explore subjects that you find interesting – but there are many other ways to deepen your understanding: investigate your local museums, monuments, galleries and natural features, and think analytically about nature, machinery or the built environment. After the COVID-19 lockdown, perhaps you can visit some of these!

The best thing about super-curricular activities is that there are no exams or deadlines to worry about – you are free to follow your own lines of enquiry into the areas that interest you the most. Rather than seeing this as a 'tick box exercise' to give you something to write about in your personal statement, you should take time to explore things that you genuinely find interesting and see where your investigations lead you.

Click on a subject link below to find some suggestions to help you explore your subject, or try one of the broad topic links at the bottom of the page. It will help applicants to explore their subject beyond the classroom not only to learn more about the subject, but also to confirm the decision whether or not to read the subject at university. There is no minimum amount of super-curricular activity expected of our applicants; they tend to explore their subject for the sake of interest.

There are some very useful general resources helpful to all subjects here.



# Cambridge courses

| Anglo-Saxon, Norse, and Celtic   | History of Art                                 |
|----------------------------------|--|
| Archaeology                      | Human, Social, and Political Sciences          |
| <u>Architecture</u>              | Land Economy                                   |
| Asian and Middle Eastern Studies | <u>Law</u>                                     |
| Chemical Engineering             | <u>Linguistics</u>                             |
| Classics                         | <u>Mathematics</u>                             |
| Computer Science                 | Medicine                                       |
| Economics                        | Modern and Medieval Languages                  |
| Education                        | Music  |
| Engineering                      | Natural Sciences                               |
| <u>English</u>                   | Philosophy                                     |
| Geography                        | Psychological and Behavioural Sciences         |
| History                          | Theology, Religion, and Philosophy of Religion |
| History and Modern Languages     | Veterinary Medicine                            |
| History and Politics             | General resources for all subjects             |



## 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   |



# Archaeology

| Books              | Archaeology department reading list  Human Evolution: A Very Short Introduction  |
|--------------------|--|
| Journals/Articles  | Current Archaeology: Home Archaeological Review from Cambridge   |
| Websites           | Young Archaeologists' Club  British Museum  The Museum of Archaeology and Anthropology, Cambridge  |
| Video              | The Golden Road: Materials, Value and Exchange in the Ancient  Americas. Lecture by Dr Joanne Pillsbury  The Political Economy of Pre-colonial African States lecture by  Professor Shadreck Chirikure  Gresham Lectures - Archaeology |
| Podcasts           | Archaeology Podcast Network  Naked Archaeology   |
| Also see resources | Classics, History, Geography, HSPS   |



## Architecture

| Books              | Architecture information for new students                       |
|--------------------|---|
|                    | Bachelard, The Poetics of Space                                 |
|                    | Davidson Cragoe, How to Read Buildings                          |
|                    | Pallasmaa, The Eyes of the Skin                                 |
|                    | Perec, Species of Spaces and other Pieces                       |
|                    | <u>List of Top 10 Architecture Books for Student Architects</u> |
| Journals/ Articles | The Architects' Journal: Architecture News & Buildings          |
|                    | The Architectural Review   Online and print magazine about      |
|                    | international design  |
|                    | Scroope Journal   |
| <b>D</b> 1         |   |
| People             | Le Corbusier  |
|                    | Miles Van Der Rohe  |
|                    | Lloyd Wright  |
|                    | Mackintosh  |
| Websites           | Learning programme  |
|                    | Explore Arts and Culture through google                         |
|                    | Welcome to Young Architect - Young Architect                    |
| Podcasts           | Dezeen   architecture and design magazine                       |
| Other activities   | RIBA Stirling Prize   |
|                    | 10 Essential Freehand Drawing Exercises for Architects          |
| Also see resources | History of Art, Maths   |



## Asian and Middle Eastern Studies

| Books              | Preparatory reading - Arabic Preparatory reading - Chinese Preparatory reading - Hebrew  |
|--------------------|--|
|                    | Preparatory reading - Japanese Preparatory reading - Persian   |
|                    | Chinese Literature: A Very Short Introduction  |
| Websites           | Arabic learning resources  Language Centre - Japanese Language Courses  Middle East Studies Association  Association for Asian Studies: Homepage |
| Other activities   | Al Jazeera   |
| Also see resources | Languages, English, History  |



# **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  |



## Classics

| 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  Discovering Ancient Greek and Latin  Duolingo - The world's best way to learn a language |
| Also see resources | English, History of Art, Philosophy   |



# Computer Science

| Books             | Computer Science department  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 NRICH 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   |
| 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   |
| 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                   |
|                    |  |
| Also see resources | Mathematics, Natural Sciences                              |



## **Economics**

| Books              | Economics department reading list   |
|--------------------|---|
| Journals/Articles  | The Economist - World News, Politics, Economics, Business & Finance plus magazine: Living Maths The Dismal Scientist  |
| 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, University of Cambridge, YouTube Channel 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   |
| Also see resources | <u>Mathematics</u>  |



## Education

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



# Engineering

| Books             | Engineering department recommended reading  There Is No Planet B  |
|-------------------|---|
| Journals/Articles | Science news and science articles from New Scientist  Nature News & Comment   |
| Websites          | I Want to Study Engineering Isaac Physics National Grid: Live Status Project Drawdown Paper Airplane: The World's Best Paper Airplane is the Paperang. ENGINEERING.com   Information & Inspiration for Engineers Explore NASA STEM F1 in Schools UK Greenpower: Home Oxford Sparks: Bringing Oxford Science to Life Brilliant   Learn to think Royal Academy of Engineering |
| Videos            | Example Cambridge Engineering Interview   |
| Podcasts          | BBC Radio 4 - In Our Time, Science Radio 4 - More or Less: Behind the Stats   |
| Competitions      | School Science Competitions   |
| Other activities  | Learn Python 3 Python For Beginners UK Mathematics Trust EDT programmes   |



|                    | Arkwright Engineering Scholarships  Women in STEM - Women & girls in science, tech, engineering and maths  Python Challenges - Christ Church, Oxford |
|--------------------|--|
| Also see resources | Mathematics, Chemical Engineering, Natural Sciences  |



# English

| 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 Plus 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   |
| Also see resources | Classics, Philosophy   |



# Geography

| 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, <u>Eruptions that shook the world</u>                  |
| Pascoe, <i>Dark Emu</i>   |
| Platt, The Great Flood: travels through a sodden landscape          |
| Solnit, Infinite City   |
| National Geographic   |
| Science news and science articles from New Scientist                |
| The Economist - World News, Politics, Economics, Business &         |
| <u>Finance</u>  |
| Geography Review extras   |
| Geographical Magazine   |
| Geography – A journal by the Geographical Association               |
| Danny Dorling   |
| Naomi Klein   |
| Robert Macfarlane   |
| Hans Rosling  |
| Rebecca Solnit  |
| 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  |
|   |



| 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                                      |
| Other activities   | Into the Inferno All watched over by machines of loving grace   |
| Also see resources | HSPS, Land Economy, Natural Sciences  |



# History

|                   | ,  |
|-------------------|--|
| Books             | 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                            |
|                   | Saïd, <i>Orientalism</i>   |
| Journals/Articles | History Today   The world's leading serious history magazine       |
|                   | HistoryExtra: BBC History Magazine & BBC World Histories Magazine  |
|                   | Reviews in History: Latest reviews                                 |
| Websites          | 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  |
| Video             | Gresham Lectures - History   |
|                   | Cambridge History Faculty YouTube channel                          |
| Podcasts          | Dan Snow's History Hit   |
|                   | Radio 4 - In Our Time, History                                     |
|                   | Historical Association Podcasts                                    |
|                   |  |



| Other activities   | Early Modern England: Politics, Religion, and Society under the Tudors and Stuarts, Open Yale Courses Online World History and Archaeology Courses |
|--------------------|--|
| Also see resources | Economics, Politics  |



## History and Modern Languages

| Books              | MMLL department resources for students  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: 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   |



# History and Politics

| Books              | Human, Social and Political Sciences suggested readings 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  |



# History of Art

| Books              | History of Art department preparatory reading                           |
|--------------------|---|
|                    | E.H. Gombrich, <i>The Story of Art</i>                                  |
|                    | John Berger Ways of Seeing  |
|                    | Griselda Pollock, Vision and Difference                                 |
|                    | Svetlana Alpers, The Art of Describing                                  |
|                    | John Ruskin   |
|                    | Edward Said, <i>Orientalism</i> , 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   |



## Human, Social, and Political Sciences (HSPS)

| Books              | 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                                 |
|                    | <u>Discover Anthropology</u>  |
|                    | Heywood Political Ideologies  |
|                    | British Sociological Association                                    |
|                    | The Political Studies Association                                   |
|                    | <u>UK Parliament</u>  |
|                    | United Nations   Peace, dignity and equality on a healthy planet    |
|                    | Chatham House: International Affairs Think Tank                     |
|                    | Amnesty International   |
| Video              | Sociology: School of Life   |
|                    | School of Life: Political Theory                                    |
| Podcasts           | Talking Politics  |
|                    | Thinking Allowed  |
|                    | From Savage to Self   |
|                    | Camthropod  |
| Competitions       | RA Butler Prize — Department of Politics and International Studies  |
| Also see resources | Economics, History, Psychology                                      |



# Land Economy

| Books              | Land Economy department suggested reading  |
|--------------------|--|
| Websites           | Institute of Economic Affairs  JNCC - 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  |



### Law

|                   | 1   |
|-------------------|---|
| Books             | Barnard, O'Sullivan and Virgo, <i>What About Law</i>              |
|                   | Berlins and Dyer, <i>The Law Machine</i>                          |
|                   | Bingham, The Rule of Law  |
|                   | Kennedy , Misjustice: How British Law is Failing Women            |
|                   | McBridge, 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 Cambridge 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  | History, HSPS |
|-----------|---------------|
| resources |               |



# Linguistics

| Books                 | 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   Iinguistics   Britannica  Memrise - Learn a language. Meet the world.   |
| Also see<br>resources | Languages, Psychology   |



## Mathematics

| Books             | Mathematics Faculty reading list                                 |
|-------------------|--|
|                   | Alcock, 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                              |
|                   |  |
| Journals/Articles | Science news and science articles from New Scientist             |
|                   | Plus Magazine - Living Mathematics                               |
|                   |  |
| Websites          | <u>Underground Mathematics: A level maths teaching resources</u> |
|                   | 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 External Resources                                |
|                   | Millennium Mathematics Project                                   |
|                   | Dr Frost Maths   |
|                   | Mr Barton's Maths  |
|                   | Wir Barterre Matrie  |
| Video             | Maths Olympiad Questions - 2017 IMO C1                           |
|                   | Ted Talks: Maths Talks to Blow your Mind                         |
|                   | Oxford University Maths Lectures                                 |
|                   | London Mathematical Society                                      |
|                   | <u>Numberphile</u>   |
|                   |  |
|                   |  |



| Podcasts           | BBC Radio 4 - In Our Time, Science The NCETM Maths podcast Oxford University Maths Podcasts: The Secrets of Mathematics Inside the Ethics Committee                 |
|--------------------|---|
| Competitions       | UKMT Solo competitions  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 |
| Also see resources | Computer Sciences, Engineering, Natural Sciences  |



## 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   |
| Also see<br>resources | Natural Sciences  |



# Modern and Medieval Languages

| 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 sectio  Authors  French text Albert Camus, L'étranger Françoise Sagan, Bonjour tristesse Joseph Joffo, Un sac de billes French film | ions                  |
|--|-----------------------|
| 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 sectio  Authors French text Albert Camus, L'étranger Françoise Sagan, Bonjour tristesse Joseph Joffo, Un sac de billes French film  |                       |
| 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 sectio  Authors  French text Albert Camus, L'étranger Françoise Sagan, Bonjour tristesse Joseph Joffo, Un sac de billes French film   |                       |
| Journals/Articles  Polyglossia For newspapers in other languages see links below in websites sectio  Authors  French text Albert Camus, L'étranger Françoise Sagan, Bonjour tristesse Joseph Joffo, Un sac de billes French film   | Jniversity Press      |
| Journals/Articles  Polyglossia For newspapers in other languages see links below in websites sectio  Authors  French text Albert Camus, L'étranger Françoise Sagan, Bonjour tristesse Joseph Joffo, Un sac de billes French film   | e: A Very Short       |
| Journals/Articles  Polyglossia For newspapers in other languages see links below in websites sectio  Authors  French text Albert Camus, L'étranger Françoise Sagan, Bonjour tristesse Joseph Joffo, Un sac de billes French film   | •                     |
| Authors  French text Albert Camus, L'étranger Françoise Sagan, Bonjour tristesse Joseph Joffo, Un sac de billes French film  |                       |
| Authors  French text Albert Camus, L'étranger Françoise Sagan, Bonjour tristesse Joseph Joffo, Un sac de billes French film  |                       |
| Albert Camus, <i>L'étranger</i> Françoise Sagan, <i>Bonjour tristesse</i> Joseph Joffo, <i>Un sac de billes</i> French film  | w in websites section |
| Françoise Sagan, <i>Bonjour tristesse</i> Joseph Joffo, <i>Un sac de billes</i> French film  |                       |
| Joseph Joffo, <i>Un sac de billes</i> French film  |                       |
| French film  |                       |
|  |                       |
|  |                       |
| Jean-Luc Godard, A bout de souffle   |                       |
| Mathieu Kassovitz, <i>La Haine</i>   |                       |
| Laurent Cantet, Entre les murs   |                       |
| German text  |                       |
| Franz Kafka, <i>Die Verwandlung</i>  |                       |
| 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   | де                    |
| Italian text   |                       |
| Italo Svevo, <i>La coscienca di Zeno</i>   |                       |
| Primo Levi, Se questo è un uomo  |                       |
| Natalia Ginzburg, Lessico famigliare   |                       |
| Italian film   |                       |
| Vittorio di Sica, Ladri di bicicletta  |                       |
| Federico Fellin,i La dolce vita  |                       |
| Matteo Gorrone, Gomorrah   |                       |
|  |                       |



#### 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 text

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



<u>Culturethèque</u>

TF 1 and France 2 (French TV channels)

L'Express

RTVC Radio Television Caraibes, 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

<u>Languages and Linguistics</u> 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

<u>La Stampa</u> – 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 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 http://www.moskvatv.com/ (Russian TV stations) 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  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 |
| Other activities   | Netflix language films and series  Mubi – films in many languages   |
| Also see resources | History, HSPS, Philosophy, Linguistics  |



## Music

| 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  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   |
| Also see resources | <u>History</u>   |



## **Natural Sciences**

| Books             | Cambridge Natural Sciences reading list                      |
|-------------------|--|
| DOOKS             |  |
|                   | Biological Sciences (further books):                         |
|                   | Dawkins, The Selfish Gene                                    |
|                   | Margulis, What is Life?                                      |
|                   | Mukherjee, The Gene/Emperor of All Maladies                  |
|                   | Reich, Who We Are, and How We Got Here                       |
|                   | Ridley, Nature via Nurture                                   |
|                   | Sapolsky, Behave   |
|                   | Schilthuizen, <i>Darwin Comes to Town</i>                    |
|                   |  |
|                   | Physical Sciences (further books):                           |
|                   | Hawking, A Brief History of Time                             |
|                   | Mann and Crease, The Second Creation                         |
|                   | Orzel, How to Teach Quantum Physics to your Dog              |
|                   | Povey, Professor Povey's Perplexing Problems                 |
|                   | Warner, A Cavendish Quantum Mechanics Primer                 |
|                   | The Feynman Lectures on Physics                              |
| 1 / 2 / 3         |  |
| Journals/Articles | All Sciences:  |
|                   | New Scientist   Science news and science articles            |
|                   | Nature Journal   |
|                   | Young Scientists Journal                                     |
|                   | Scientific American: Science News, Articles, and Information |
|                   |  |



**Biological Sciences:** 

Educational Magazines - Biological Sciences Review

The Scientist Magazine - Life Sciences News and

**Articles** 

**Physical Sciences:** 

symmetry magazine | dimensions of particle physics

ParticleBites – The high energy physics reader's digestNews Center

Websites All Sciences:

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

Explore Natural Science through google

**Biological Sciences:** 

Home - Bio Chemistry

Royal Botanic Gardens, Kew

Royal Society of Biology resources

Conservation Science - Zoological Society of London

Natural History Museum Schools

**Physical Sciences:** 

**Isaac Physics** 

COVID-19: Using Isaac to learn and teach physics.org | Home

**CERN Resources** 

**Mastering Physics** 

Physics zone



PhysicsLAB NextTime Questions **Explore NASA STEM** Galaxy Zoo » About Introducing Isaac Chemistry Chemistry World: Chemistry news, research and opinions 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 **All Sciences:** Videos The Royal Society BBC iPlayer - Science & Nature Documentaries Programmes categorised as Factual: Science & Nature **Biological Sciences:** iBiology — Bringing the world's best biology to you, for free! **Physical Sciences:** Chemistry in the Garden Wothers.com

Four - Chemistry: A Volatile History
The Feynman Lectures on Physics



| Podcasts         | All Sciences:   |
|------------------|---|
|                  | BBC Radio 4 - In Our Time, Science                                |
|                  | The Life Scientific   |
|                  | Naked Scientists Online, Science Podcast and Science Radio Show   |
|                  | Science in Action   |
|                  | Ologies Episodes  |
|                  | Biological Sciences:  |
|                  | Department of Biology, Oxford                                     |
|                  | Physical Sciences:  |
|                  | Chemistry podcasts & science storytelling                         |
|                  | Periodic Table: Podcast   |
|                  | Department of Chemistry, Oxford                                   |
|                  | Physics Podcasts  |
| Competitions     | All Sciences:   |
| ·                | CREST Awards  |
|                  | Schools Writing Competition                                       |
|                  | Biological Sciences:  |
|                  | British Biology Olympiad  |
|                  | Dhysical Cainness   |
|                  | Physical Sciences:  |
|                  | Cambridge Chemistry Challenge  The Pritish Physics Olympiads Home |
|                  | The British Physics Olympiad: Home  UK Chemistry Olympiad         |
|                  |   |
| Other activities | All Sciences:   |
|                  | Women in STEM - Women & girls in science, tech, engineering and   |
|                  | maths   |
|                  | Desmos   Beautiful, Free Math                                     |
|                  |   |



|                       | Biological Sciences:   |
|-----------------------|--|
|                       | Puzzles   Ask A Biologist Plant ID: getting started                        |
| Also see<br>resources | Chemical Engineering, Computer Science, Engineering, Mathematics, Medicine |



# 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           | Philosophy Reading List 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           | Philosophy Podcasts  BBC Radio 4 - In Our Time, Philosophy   |
| Also see resources | Classics, History, Maths   |



# 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  |
| 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   |
| Podcasts           | Radio 4 - All in the Mind  |
| Also see resources | HSPS, Natural Science  |



## Theology, Religion, and Philosophy of Religion

| Books              | Faculty of Divinity introductory reading  |
|--------------------|---|
| Journals/Articles  | Disenchanting the English Reformation by Professor Richard Rex  Cambridge Inter-Faith Programme   |
| Websites           | 50 Religious Treasure of Cambridge My HE Plus - Religious Studies Faraday Institute Class Central Open University Free Learning Religious Studies lan Ramsey Centre for Science and Religion Ecclesiastical History Society Beginning New Testament Greek The Religious Studies Project – Resources on the Contemporary Social-Scientific Study of Religion |
| Video              | 2020 Cambridge Faculty Online Open Day  Cambridge Faculty of Divinity YouTube Channel  Critical Study of Apocalyptic and Millenarian Movements  Gresham Lectures - Religion   |
| Podcasts           | BBC Radio 4 - In Our Time, Religion Woolf Institute NT Pod Panpsycast Philosophy Podcast  |
| Competitions       | Spirited Arts 2020  |
| Also see resources | English, Philosophy   |



# 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  |



# 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  Covid-19 Schools Closures: Activities & Resources Guide  |
|----------|--|
|          | 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 Oxplore   The Home of Big Questions  Here are 450 Ivy League courses you can take online right now for free 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 Compass  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/ Al Jazeera English: www.aljazeera.com/ The Economist: www.economist.com/ CNN online: http://edition.cnn.com/ The New Statesman magazine: www.newstatesman.com/ |