

## SUGGESTED SUPRA-CURRICULAR ACTIVITIES

The **Clever Podcast** is all about design and inspiring interviews with top designers.

<http://www.cleverpodcast.com/>

### **Chemistry – RSC learn chemistry**

<https://edu.rsc.org/resources>

**Edge magazine** is 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 thinker’.

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

**Isaac Physics** is described as a Department of Education project at the University of Cambridge. It aims to give students transitioning from GCSEs to Sixth Form, to university, insight into and understanding of physics by problem solving. A Level resources range from problem solving, mentoring schemes to extension resources (includes a section on maths questions to help prepare for a STEM course interview).

<https://isaacphysics.org/alevel>

**Khan Academy** has free online courses and lessons.

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

### **MOOCs – online courses**

MOOCs is short for Massive Open Online Courses that are mostly free. The range of online courses available is huge, from those that may be related to the subject being studied at university level to those that help develop soft skills. By selecting courses carefully, students can show a passion for their subject at university level.

- Alison (<https://alison.com/courses>) offers a range of courses, from art to humanities.
- Coursera (<https://www.coursera.org/>) has a range of courses and works in partnership with top universities and organisations to offer courses online. Courses range from an Introduction to Engineering Mechanics to Introduction to Mathematical Thinking, and more.
- EdX (<https://www.edx.org>) has a wide selection of courses, ranging from science to languages and law. EdX was founded by Harvard University and MIT (Massachusetts Institute of Technology).
- Futurelearn (<https://www.futurelearn.com>) has partnered with leading universities to provide a wide range of MOOCs. See their website and go to individual university pages to explore the range of MOOCs available
- Udacity (<https://eu.udacity.com/>) is focused on courses related to computing.
- Udemy (<https://www.udemy.com/>) has a wide range of online courses, from design and photography to IT and software.

### **Museums – various**

Guggenheim has many free art books

<https://archive.org/details/guggenheimmuseum?sort=titleSorter>

**My HE Plus** is hosted by Cambridge University. The website aims to give students the opportunity to explore different subjects beyond the school curriculum. Each subject section has been put together by Cambridge postgraduate students and academics who are at the cutting edge of research in their field. As well as guided activities, there are questions to think about and suggestions for further reading.

<http://www.myheplus.com/>

Created by Oxford University, **Oxplore** aims to engage young people in debates and ideas that go beyond the classroom. A wide range of subjects are covered, from archaeology to zoology, and linked to the latest research being carried out at Oxford.

<https://explore.org/>

**Staircase 12** is hosted by Oxford University and has a wealth of an online resources and information with lots of ideas to help students extend their knowledge beyond the school syllabus.

<https://www.univ.ox.ac.uk/applying-to-univ/staircase12/>

**TED talks.** Most students are familiar with TED talks and they are a great source of inspiring talks from leading experts. A good place to start are ted talks recommended by students for students.

<https://blog.ed.ted.com/2017/03/16/9-ted-talks-recommended-by-students-for-students/> or <https://www.weareteachers.com/ted-talks-students/>

- Broadsheet newspapers: The Guardian, The Times, The Daily Telegraph
- BBC News online: [www.bbc.co.uk/](http://www.bbc.co.uk/)
- The News Statesman: <https://www.newstatesman.com/us>
- The Economist: [www.economist.com/](http://www.economist.com/)
- Reuters (change edition for international news): <https://uk.reuters.com/>
- New Scientist magazine, news section: <https://www.newscientist.com/section/news/>
- Al Jazeera English: [www.aljazeera.com/](http://www.aljazeera.com/)
- CNN: <https://edition.cnn.com/>
  
- Cambridge online lectures at the University Streaming Media Service: <https://www.sms.cam.ac.uk/>
- Cambridge resources at TES: <https://www.tes.com/member/UniversityOfCambridge>
- Oxford University podcasts: <https://podcasts.ox.ac.uk/>
- UniTalks podcasts: <https://www.owltail.com/podcast/zRcKo-Unitalks/episodes>
- Times Higher Education podcasts: <https://www.timeshighereducation.com/academic/opinion/podcasts>
- BBC Radio 4 podcasts: <https://www.bbc.co.uk/podcasts/radio4>
- The Reith Lectures: <https://www.bbc.co.uk/sounds/brand/b00729d9>
- BBC Radio 4 'The Forum': <https://www.bbc.co.uk/programmes/b01ld15g>

- BBC Radio 4 'In Our Time': <https://www.bbc.co.uk/programmes/b006qykl/episodes/downloads>

You may also find some useful videos at:

- Cambridge YouTube: <https://www.youtube.com/cambridgeuniversity>
- TED talks: <https://www.ted.com/>
- TEDEd: <https://ed.ted.com/>
- HE+: <http://www.myheplus.com/>
- Stanford Engineering Everywhere: <https://see.stanford.edu/>
- Open Yale Courses: <https://oyc.yale.edu/>
- MIT OpenCourseWare: <https://ocw.mit.edu/>
- Open University OpenLearn: <https://www.open.edu/openlearn/free-courses/full-catalogue>

### **University Reading Lists**

Some examples include:

- King's College reading lists: <https://www.kings.cam.ac.uk/study/undergraduate/reading-lists>
- Downing College reading lists: <https://www.dow.cam.ac.uk/join-downing/information-new-students/undergraduates-reading-lists>

You might also like to look at the suggested reading from other universities, such as the University of Oxford:

- University of Oxford suggested reading: <http://www.ox.ac.uk/admissions/undergraduate/courses/suggested-reading-and-resources>

Five Books is the world's largest collection of expert book recommendations, and you can search for books based on topics you're interested in: <https://fivebooks.com/>. Another good place to start are the Very Short Introduction texts: <https://academic.oup.com/pages/very-short-introductions>.