



# Year 11 Extended Learning Opportunities

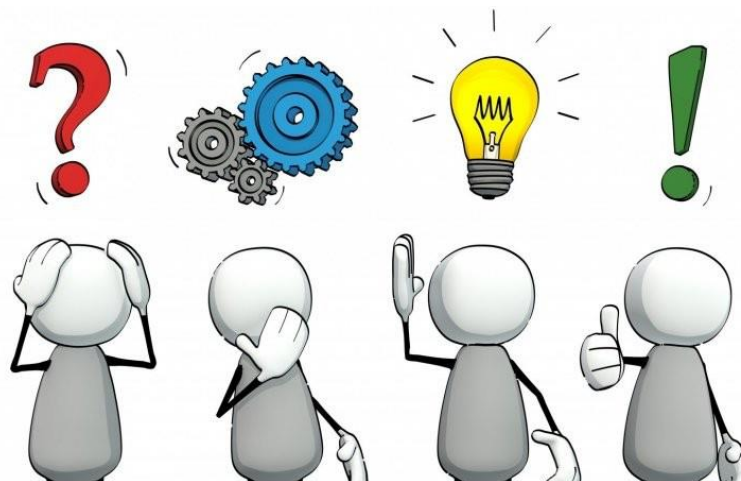
## Introduction

This booklet contains lots of links to many useful online learning platforms, podcasts and websites that you can use to make sure that your learning doesn't stop before you begin your A-Levels, college courses or apprenticeships.

You can use these resources to extend your learning further, either for subjects that you will be doing next academic year or subjects that you have a particular interest in.

These activities will also keep your brain active and sharp, helping you to make sure you keep thinking and challenging yourself in the time you have between now and your new courses starting.

We hope that you find these useful!



## MOOCS (Massive Open Online Courses)

There are two good places to go for 100s of free, online courses which can extend your understanding of something you have already studied or to help you learn something new.



The Open  
University

The Open University has 100s of MOOCs, and if you sign up you can even get a completion certificate.

Here are just three that you might find interesting (click the title of the course to access it):

### [Forensic Science and fingerprints](#)

Forensic science and fingerprints, covers how science can make fingerprints easier to study, how they are used in court and some of the questions about the extent to which fingerprint identification is sound and scientific. Students will learn the principles used in classifying and matching fingerprints (often called marks).

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

### [Sports Media and Culture](#)

The media plays a huge part in sport; we find out what's happening and how our team is doing, and it creates great sporting moments and sports celebrities and stars. This free course, Sport media and culture: Who's calling the shots?, looks at the role played by the media in sport and how this has changed with the development of internet and satellite TV. Who calls the shots: athletes, teams or the media moguls? How do social scientists explain this relationship between sport and the media?

### [Visual Arts: Graffiti](#)

Visions of protest: Graffiti, introduces students to contrasting understandings of graffiti. It draws on a wide range of graffiti examples, including mystery zebras in Hackney, fish graffiti in Morecambe, 'tags' in a Milton Keynes underpass, a McDonald's advert and exhibits at a highly established art gallery, the Tate Modern. Students will consider different arguments for and against the perception of graffiti as a form of art or as vandalism and explore how graffiti has been used as a form of communication and as an articulation of protest.

Future Learn is another site that has 100s of MOOCs, and if you sign up you can even get a completion certificate.

Here are just three that you might find interesting (click the title of the course to access it):

### **Forensic Psychology**

<https://www.futurelearn.com/courses/forensic-psychology>

#### **Discover forensic psychology and solve a crime using only eyewitness evidence**

Despite advances in forensic science, eyewitness testimony remains a critical component of criminal investigations. But psychological research has revealed the dangers of relying on this testimony and how careful the police must be when questioning witnesses.

Using videos of real witnesses, from behind the scenes of a police investigation, this course explores the forensic psychology behind eyewitness testimony.

You'll get the chance to test your own cognitive skills and see if your investigative powers are as good as police officers', as you try to solve a crime using nothing but eyewitness evidence.

### **How to write your first song**

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

This course will introduce you to the tools and techniques you need to write your first song.

### **Causes of climate change**

<https://www.futurelearn.com/courses/causes-of-climate-change>

This free online course provides the basis for understanding the underlying physical processes governing climate variations in the past, present and future.



Future  
Learn

<https://www.futurelearn.com>

## The Brilliant Club

The Brilliant Club has started to release a series of masterclasses. There are currently 3 available online with more to come.

The  
Brilliant  
Club



### History Masterclass

#### Medieval Law and Order

Learn more about what it was like to live in the middle ages with particular focus on law and order.

The workshop video can be found here:

<https://www.youtube.com/watch?v=ivdHKwb2EZ4&feature=youtu.be>

The resources can be found here:

<https://thebrilliantclub.org/wp-content/uploads/2020/03/Law-and-Order-in-Medieval-Towns-Extension-resources.pdf>

<https://thebrilliantclub.org/the-brilliant-club-for-pupils/info-for-pupils/>

### Psychology Masterclass

#### Selective Attention

Selective attention is the process of focusing on a particular object in the environment for a certain period of time. Attention is a limited resource, so selective attention allows us to tune out unimportant details and focus on what matters.

The workshop video can be found here:

<https://www.youtube.com/watch?v=pgCvJgTOx94&t=>

Test your understanding of the video here:

<https://thebrilliantclub.limequery.org/214614/lang/en/newtest/Y>

### Biology Masterclass

#### Virology

Learn more about the study of viruses. The workshop video is here:

<https://www.youtube.com/watch?v=K4sTtXcpHJc&feature=youtu.be>

Test your understanding of the video here:

<https://thebrilliantclub.limequery.org/196162>



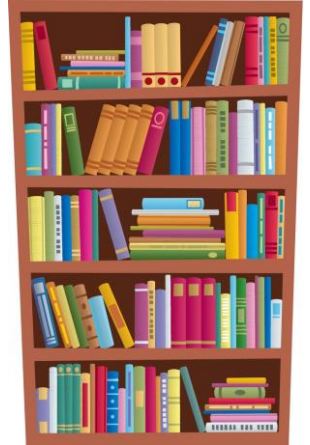
## Reading, Art and Drama

If reading, art or drama are your thing, then these websites are for you.

### Free books

This website will allow you to search for books that you can read free online.

<https://readgreatliterature.com/how-to-find-great-literature-online-for-free/>



### Audible

Audible allows you to listen to a range of audio books for free. Titles include a range of fiction for all reading ages.

<https://stories.audible.com/start-listen>

### Summer Reads

The website below gives you a range of books that you could spend the summer term reading.

<https://schoolreadinglist.co.uk/reading-lists-for-ks4-school-pupils/suggested-reading-list-year-11-pupils-ks4-age-15-16/>



### National Theatre

The National Theatre is releasing a full play for you to watch every Thursday, online. Here's the link:

<https://www.youtube.com/channel/UCUDq1XzCY0NIOYVJvEMQjqw>

### Online exhibitions

Google arts and culture gives you lots of fantastic links to online exhibitions from around the world, as well as pages helping you to explore culture.

<https://artsandculture.google.com/?hl=en>



## Maths, ICT and Technology

Here are some websites that will test your skills and extend your knowledge in each of these areas.

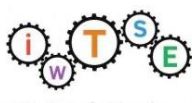
### Computer Science

Test your coding skills online with a range of activities (they can be done by boys too!!!!)



<https://girlswhocode.com/code-at-home/>

### Engineering



Do you want a career in engineering? This website has a range of activities for your which will test your problem-solving skills, as well as other skills useful for a career in engineering.

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

### Maths

nrich is a website full of maths puzzles and problems for you to solve at home. There are two sections relevant to you:

Problems for 14-16-year olds: <https://nrich.maths.org/14570>

Problems for 16+: <https://nrich.maths.org/14571>



### Science

A range of Chemistry games and activities, for a range of ages and abilities, all the way to A-Level.



<http://www.rsc.org/learn-chemistry/resources/gridlocks/index.html>

Some fun physics experiments that you can try at home.

<https://www.superprof.co.uk/blog/physics-activities/>



## Misc.

These links below will take you to a range of resources on a range of subjects.

**School of life** - whole programmes of 10 minute vids on Philosophy, Sociology, Politics, Literature, etc.

<https://www.youtube.com/user/schooloflifechannel/playlists>

**TED Videos** - free lectures usually less than 30 mins on every topic you can imagine.

[https://ed.ted.com/lessons?direction=desc&sort=featured-position&user\\_by\\_click=student](https://ed.ted.com/lessons?direction=desc&sort=featured-position&user_by_click=student)

**RSA animate** - Great animations that simplify complex ideas

<https://www.thersa.org/discover/videos/rsa-animate?id=51787>

**BBC Bitesize Daily** – from April 20<sup>th</sup> there will be daily lessons on BBC Bitesize covering a range of topics and subjects. You could maybe look at the materials about a GCSE that you didn't get a chance to study.

<https://www.bbc.co.uk/bitesize>

**The Royal institute** - interesting videos on everything Science based from “Can we trust Maths” to “Why have we not found aliens?”

<https://www.youtube.com/user/TheRoyalInstitution/playlists>

**HEPlus** – a small range of reading around some topics in History, Biology and RE amongst others.

<https://www.myheplus.com/pre-16>

**National Careers Service** – still unsure what to do after college? There are some resources on this website that might help you to decide.

<https://nationalcareers.service.gov.uk>