

Graham School
Bridge into post 16: Independent Study

**For General Careers Information Advice and Guidance - visit:
<https://grahamschool.org/iag-and-careers/>**

For complete programmes that you can work through covering:

- **Employability Skills**
- **Work Experience**
- **Labour Market Information**

Please visit your google classroom tutor account and the Careers section.

This is a free online course to prepare Y11 students for P16

<https://www.youthemployment.org.uk/employment-help-young-people/choices/online-skills-and-careers-courses/preparing-for-your-future-online-course/>

Animal Care

1. [Watch this video](#) on the five animal welfare needs
2. Read through, and familiarise yourself with these Animal Welfare Organisations:
 - a. [The Blue Cross](#)
 - b. [The RSPCA](#)
 - c. [The Dogs Trust](#)
 - d. [Wood Green](#)
 - e. [The National Animal Welfare Trust](#)
3. Familiarise yourself with the [Animal Welfare Act 2006](#) - You don't need to know the details; but roughly what it does, and why it was brought in.
4. Do some research in how to care for the following animals:
 - a. Dogs
 - b. Cats
 - c. Rabbits
 - d. Chickens
 - e. Goats

Applied Science (Applied Human Biology)

1. Watch [this video](#) about Biological Molecules
2. Watch [this video](#) on aseptic technique

3. Website Reading:

- a. [Learn Genetics](#)
- b. [About the NHS](#)
- c. [Nature](#)
- d. [BBC Science](#)
- e. [Bad Science](#)
- f. [Royal Society of Biology](#)

4. Some TED Talk recommendations:

- a. [What Doctors don't know about the drugs they prescribe](#)
- b. [Growing New Organs](#)
- c. [Monitoring Vital Signs](#)
- d. [Why Might Good People Deliver Bad Healthcare](#)

Art (Photography)

<https://www.studentartguide.com/articles/creative-photography-ideas>

Biology

- e. [Free Science Lessons](#) - Most students will already have seen this, but it will be worth checking out the Triple Biology videos for the extra content that isn't covered in trilogy. They also have A-Level Biology videos, and it might be a good idea to view some of the intro videos.
- f. [Head Start to A-Level Biology](#) - Book from CPG less £5 on amazon at the moment
- g. Some TED Talk recommendations:
 - i. [Why the Bees are Disappearing](#)
 - ii. [What Doctors don't know about the drugs they prescribe](#)
 - iii. [Growing New Organs](#)
- h. Websites you may want to read:
 - i. [Nature](#)
 - ii. [BBC Science](#)
 - iii. [Bad Science](#)
 - iv. [Royal Society of Biology](#)
 - v. <http://sciencecourseware.org/vcise/drosophila>
 - vi. [Learn Genetics](#)

Business Studies

1. Read an autobiography of an entrepreneur that interests you
2. Watch the movie 'The Founder' all about the McDonald's franchise
3. Watch any of the Inside series of Channel 4 on demand (e.g. Inside Rolls Royce, Inside Aldi, etc)
4. Watch the Channel 4 series 'The Job Interview' available on Channel 4 on demand

<https://www.channel4.com/programmes/the-job-interview>

5. Watch the movie 'Deep water horizon' and create a fact sheet which summarises the key ethical issues that the movie discusses
6. Collect 3 interesting news articles from the bbc website that you can relate to theory that we have covered in business lessons
7. Create a fact sheet about how 4 different businesses have responded to the Covid-19 outbreak. Businesses face risks all the time and need to adapt to them.
8. Watch an episode of 'Food Unwrapped' and summarise the production and quality methods they use
<https://www.channel4.com/programmes/food-unwrapped>
9. Research the stock market, how it works, track how prices change
10. Register with the Duke of York Inspiring Digital Enterprise Award. This is a great way to attain an additional qualification online.
<https://idea.org.uk/>

Challenge

11. Create your own business - start thinking about what type of business you would like to run and develop a business plan for the idea.

Catering/Hospitality

1. What is Hospitality and Catering - BBC Bitesize
[GCSE Hospitality \(CCEA\) - BBC Bitesize](#)
2. The Hotel Inspector - Channel 5 - Youtube
3. Food Standards Agency - Website contains information on Food Hygiene Ratings, Business Advice - [Food Standards Agency: Homepage](#)
4. Environmental health officer/Health and Safety Officer
[Health and safety adviser | Explore careers - National Careers ...](#)
5. Masterchef - Excellent ideas for presentation of food and how to cook.
<https://www.bbc.co.uk/programmes/b006t1k5>
6. Amazing Hotels - Hotels around the world
[Amazing Hotels: Life Beyond the Lobby - BBC Two](#)

Chemistry

1. [Free Science Lessons](#) - Most students will already have seen this, but it will be worth checking out the Triple Chemistry videos for the extra content that isn't covered in trilogy. They also have A-Level Chemistry videos, and it might be a good idea to view some of the intro videos.
2. [Head Start to A-Level Chemistry](#) - A book from CGP, less than £5 on Amazon at the moment.
3. Some Website Recommendations:
 - a. [Nature](#)

- b. [BBC Science](#)
- c. [Bad Science](#)
- d. [Chemistry - An Open Access Journal](#)
- e. [The Royal Society of Chemistry](#)

4. Video Recommendations:

- a. [Summer Start for A-Level Chemistry](#)
- b. [A Crash Course in A-Level Chemistry](#)
- c. [The Genius of Mendeleev's Periodic Table](#)
- d. [What Triggers a Chemical Reaction](#)

Childcare

What is Child Development?

<https://study.com/academy/lesson/what-is-child-development-definition-theories-stages.html>

Conception to Birth:

<https://www.youtube.com/watch?v=fKyljukBE70>

Development of Milestones:

<https://www.cdc.gov/ncbddd/actearly/milestones/milestones-18mo.html>) - 18 months old

<https://www.youtube.com/watch?v=bQpaMoq-x88> - 2 year old

<https://www.youtube.com/watch?v=w5DWCwUcOxc> - 3 year old

<https://www.youtube.com/watch?v=o0TGczdbiV4>- 4 year old

<http://helpmegrowmn.org/HMG/DevelopMilestone/5Years/index.html> - 5 year old

Caring for toddlers: (1 - 5 years of age):

<https://www.nct.org.uk/baby-toddler/feeding/practical-tips/step-step-guide-preparing-formula-feed> - How to make a bottle feed

<https://www.youtube.com/watch?v=k8bAAk33frA> - How to change a nappy

<https://www.youtube.com/watch?v=7-NyKS9Z-u8> - 10 tips of looking after toddlers

<https://study.com/academy/lesson/infant-toddler-nutrition-needs.html> - Nutritional needs of baby and toddler

Playing with newborn - 5 year olds :

<https://www.parents.com/fun/toys/kid-toys/toys-for-all-ages/>: - Toy guides for babies

<https://www.youtube.com/watch?v=LFmrmSfxqAw> - Baby Play

https://www.youtube.com/watch?v=YzRqV_H0ESk - Active Play

<https://www.youtube.com/watch?v=tDJqhzfNbOo> - Developmental Games

Coaching

HM Government: (2015): Working Together to Safeguard Children;

<https://www.gov.uk/government/publications/working-together-to-safeguard-children--2>

<https://www.gov.uk/guidance/equality-act-2010-guidance>

<https://www.insure4sport.co.uk/blog/health-and-safety-tips-sports-coaches/>

<https://www.loverugbyleague.com/podcast/>

<https://parallelcoaching.co.uk/tag/level-2-anatomy-and-physiology>

www.daydreameeducation.co.uk

www.uksport.gov.uk-workcoaching

www.ukcoaching.org/resources/topics/guides

UK Coaching Codes of practice for sports coaches

Btec National Sports Resources Sport Level 2 and Level 3

Human Kinetics Strength Training Anatomy

<https://www.bbc.co.uk/bitesize/subjects/znyb4wx> GCSE PE

brianmac.co.uk

Criminology

- 1) ***Catching Britain's Killers** 3 separate episodes-one on the first use of DNA in a criminal case, one on the abolition of the double jeopardy law, and one on police interviewing techniques in the 1970's [CATCHING BRITAIN'S KILLERS](#)
- 2) ***Abused by my Girlfriend** Alex Skeel was 10 days from death before escaping from his abusive partner [BBC iPlayer - Abused By My Girlfriend](#)
- 3) **Trial By Fire** Netflix film considering whether Cameron Todd Willingham murdered his 3 children in a house fire or whether his execution was a miscarriage of justice.
- 4) ***Amanda Knox-** first watch the documentary on netflix then watch the BBC documentary on youtube- <https://www.youtube.com/watch?v=erla7Ley4Tw> Record your views on the case following each documentary- did you notice any changes due to the way the evidence is presented?
- 5) ***Crime and Punishment** Recent documentaries covering what is currently going on in prisons [CHANNEL 4 CRIME & PUNISHMENT EPISODE 1 / HMP WINCHESTER / PEPSI WATSON RESPONSE](#)
- 6) [CHANNEL 4 CRIME & PUNISHMENT EPISODE 2 / HMP WINCHESTER SPECIAL MEASURES / PEPSI WATSON RESPONSE](#)
- 7) ***Jamie Bulger** What punishment do children who kill deserve? [Unforgiven: The Boys Who Killed A Child \(Jamie Bulger Documentary\) | Real Stories](#)
- 8) **Mods and Rockers** The first moral panic? [British Mods and Rockers of the 1960's](#)
- 9) ***Hillsborough** -A 2017 documentary into the biggest sporting disaster the country has experienced, and the subsequent police cover up. [BBC Panorama 2017: Hillsborough Disaster. How They Buried the Truth.](#)
- 10) ***Stephen Lawrence** - This is the first part of 4 short films reviewing the racist murder of Stephen Lawrence [Stephen Lawrence: Justice For A Murdered Son Part 1](#)
- 11) **Murdered for Being Different** Dramatisation of a hate crime-Sophie Lancaster was targeted for being a 'goth' [BBC iPlayer - Murdered for Being Different](#)
- 12) **Trial by Media** New Netflix series

Drama (Performing Arts)

1. An introduction to the course and its content - *Investigating Practitioners Work*.
https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Performing-Arts/2016/external-assessment/31555H_unit1_pef_20180314.pdf
2. An introduction to the course and its content - *Group Performance Workshop*
https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Performing-Arts/2016/external-assessment/31557H_unit3_pef_20170817.pdf
3. Theatre Practitioners and Genres - <https://www.bl.uk/20th-century-literature/themes/theatre-practitioners-and-genres>
4. Interactive (Bitesize) Styles, Genres and Practitioners -
<https://www.bbc.co.uk/bitesize/topics/zm72pv4>
5. Creating and Staging a performance - <https://www.bbc.co.uk/bitesize/guides/zg9x34j/revision/4>
6. Theatrical Style and Form - <http://www.theatre crafts.com/pages/home/topics/stage-management/theatrical-style/>
7. Verbatim Theatre - <https://www.dramaonlinelibrary.com/genres/verbatim-theatre-iid-2551>
8. Practitioners in Practice (*this is for OCR but links to the Investigating Practitioners Work unit of the Pearson course*) - https://www.rhinegold.co.uk/wp-content/uploads/2019/08/DT_SoW_2019-20_Autumn1_Practitioners-Porter.pdf
9. Useful youtube videos:
https://www.youtube.com/watch?v=DK_vZuLYHcw - Artaud Introduction
<https://www.youtube.com/watch?v=c7fqMPDcKXM> - Brecht Introduction
<https://www.youtube.com/watch?v=WaanuRvpfFU> - Stanislavski Methods
<https://www.youtube.com/watch?v=3XBgFvEebxM> - Physical Theatre Introduction
10. Keep an eye out for National Theatre (<https://www.youtube.com/user/ntdiscovertheatre>) on youtube. During lockdown they are uploading a range of live performances and really useful materials (which we would normally have to pay a lot of money for!). They are a great way to access live theatre and award winning actors at home. Their website is also <https://www.nationaltheatre.org.uk/>
11. Access these documents in the Drama shared drive for an insight into different theatre practitioners. <https://drive.google.com/drive/u/0/folders/1dptpVJE-r2VeCbFhG1TA8mSxlgbinA> -

English Language

1. British Library Texts in Context <https://www.bl.uk/learning/langlit/texts/context.html>
2. The History of English <https://historyofenglishpodcast.com/category/latin/>
3. Word of Mouth BBC Podcasts <https://www.bbc.co.uk/programmes/b006qtnz/episodes/player>
4. 21st Century English (Emojis)
<https://www.bbc.co.uk/programmes/articles/3FR59tT802PHbYZLyT80yqh/smiley-face-seven-things-you-didnt-know-about-emoji>
5. Learn English with Stormzy <https://www.youtube.com/watch?v=1MQdEVo6Ycl>
6. Stephen Fry's English Delight <https://www.bbc.co.uk/programmes/b00lv1k1>
7. Balderdash and Piffle <https://www.bbc.co.uk/programmes/b007hfhd/episodes/guide>
8. In a Manner of Speaking podcasts <https://www.paulmeier.com/2019/11/01/episode-22-received-pronunciation/>
9. A podcast about language <https://www.theillusionist.org/>
10. Something Rhymes with Purple
<https://podcasts.google.com/?feed=aHR0cHM6Ly9yc3MuYWNhc3QuY29tL3NvbWV0aGluZ3JoeW1lc3dpdGhwdXJwbGU&episode=MWY1YThkYWItNWVmZC00NGMxLTJhNDktZDI0MTFiYjlyNW13&hl=en-GB&ved=2ahUKEwiAhp2mvgHpAhW8QkEAHcHUCWlQieUEgQIBhAE&ep=6>

English Literature

These are some suggested reading if you wish to take English Literature at P16

The Great Gatsby
Death of a Salesman
Othello

Reading is reading; read everything- read anything that you enjoy.

Please don't be put off by 'book snobbery'.

Trust me, there is something worthy of discussion in any book you ever read, even if the discussion is how the book could have been improved.

Follow your favourite authors on instagram, twitter, facebook-

They'll share with you their inspiration, you have the opportunity to message them (they do sometimes reply- honestly), they'll tell you what they're reading too.

<https://www.goodreads.com/> Is really good too, you can follow your favourite authors, see what they're currently reading/writing.

Amazon offers the 'other things you might like' at the bottom of the page which will help you explore new authors.

Instagram bookclubs are great too, they share a book each week/month- then you get the opportunity to share your views with everyone else.

Useful Websites:

<https://www.waterstones.com/podcast>

<https://kieurevision.blogspot.com/>

<https://filestore.aqa.org.uk/resources/english/specifications/AQA-7716-7717-SP-2015.PDF>

<https://www.penguin.co.uk/articles/2019/feb/the-best-literary-podcasts-for-book-lovers/>

<https://slate.com/podcasts/audio-book-club>

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

<https://www.newyorker.com/culture>

<https://www.shmoop.com/study-guides/literature/great-gatsby>

<https://www.shmoop.com/study-guides/literature/death-of-a-salesman>

Geography

The best thing you can do to prepare for and support your P16 Geography studies is to stay up-to-date with what is happening in the World that we live in because that is Geography - hopefully you already do this! Here are some suggestions of what you can do to stay up-to-date:

1. Start browsing some geographical websites, such as:

- a. <https://www.nationalgeographic.org/education/what-is-geography/>
- b. <https://www.geography.org.uk/>
- c. <https://geographical.co.uk/>
- d. <https://www.rgs.org/>

2. Watch Geographical Programmes/Films

- a. Live TV is always showing geographical programmes but there are also lots and lots of programmes on catch-up TV players, such as Planet Earth, Blue Planet, Frozen Planet, Great Barrier Reef on Netflix, The National Geographic YouTube channel and much more!
- b. Examples of films include The Impossible, Gasland, Before The Flood, An Inconvenient Truth, Slumdog Millionaire and more ...

3. Look at, or even better become a member of, the GA (Geographical Association)

They offer magazines and journals to do with past and current geographical affairs. If you do become a member then you can receive monthly journals and magazines through the post.

4. Keep up-to-date with quality newspapers, such as The Times, The Telegraph, The Guardian and The Independent

Reading around these newspapers will give you an insight into topical issues regarding geographical matters.

5. Personalise your news-related apps on your smartphone so you receive geographical articles

They can then alert you, if you wish, to news articles that may be of interest to you, such as National Geographic, BBC Countryfile, David Attenborough, Lonely Planet and much more ...

6. Follow geographical items on Twitter

Twitter is filled with geography-related organisations and people who share interesting items/links, such as National Geographic, etc. Get involved in reading around with these and join in on discussions.

Government and Politics

You need to be up-to date with what is happening in Politics, because the exciting thing is that it is always changing! You need to especially keep an eye on what is happening in UK and USA Politics.

1. Read quality newspapers. This means read newspapers from across the political spectrum, not just ones that align with your political views. Quality newspapers are defined as; The Times, The Telegraph, The Financial Times, The Guardian, and the Independent. Reading a cross section of these will allow you gain a broad insight into the views of both left and right commentators

2. Bring the News to you. Take the work out of finding the political stories and let them come directly to you. Most newspapers have email updates that you can sign up to. There is included a selection of them here:

i. [The Times RedBox](#)

ii. [The Telegraph Morning Briefing](#)

iii. [Spectator Lunchtime Espresso](#)

iv. [Spectator CoffeeHouse](#)

v. [Guardian Today UK](#)

3. Use Twitter Extensively

Twitter is filled with newspapers, politicians, other politics teachers and commentators. It houses a wealth of political thought, opinion and comment.

4. Watch Political Programming

UK Television is filled with programmes all brimming with politics, so take your pick and find the programmes you love

most.

- i. The Daily Politics (BBC Monday-Friday Lunchtime)
- ii. The Sunday Politics (BBC Sunday Morning)
- iii. Andrew Marr Show (BBC Sunday Morning)
- iv. Question Time (BBC Thursday Evening)
- v. This Week (BBC after Question Time)
- vi. Sky News Murnaghan (Sky News Sunday Morning)
- vii. Peston on Sunday (ITV, Sunday Morning)

5. Watch Political Dramas

Be warned some of these will take a certain amount of artistic license, but they can be useful for explaining key concepts and showing how various systems work

.Yes Minister

- i. Yes Prime Minister
- ii. The Thick of It
- iii. House of Cards [UK Edition]*
- iv. House of Cards [US Version]*
- v. The West Wing
- vi. Alpha House*

* Available on Netflix ** Available on Amazon Prime

6. Watch Political Films

There are a wealth of political films out for you to watch as well, there is nothing better than settling down after a long week at college and putting on one of these fantastic films.

- i. The Deal: All about the power struggle for New Labour between Gordon Brown and Tony Blair
- ii. The Special Relationship: All about the relationship between Bill Clinton and Tony Blair
- iii. The Iron Lady:
- iv. Coalition: Channel 4 drama/film about the makings of the 2010-2015 Coalition
- v. All the President's Men - Watergate
- vi. Frost/Nixon - Cinematic version of the Watergate revelations
- vii. JFK - The Story of the Kennedy Presidency

Film Studies

- 1) Watch the films of [Edgar Wright](#),
- 2) Watch the films of [Guillermo del Toro](#)
- 3) Watch the films of [Quentin Tarantino](#)
- 4) Research the history of Hollywood including the Golden Era and New Hollywood

- 5) Listen to episodes of the Mark Kermode Podcast '[Kermode on Film](#)'
- 6) Visit the YouTube Channel [Film Studies Fundamentals](#) and watch the videos on film study basics such as cinematography, mise-en-scene, sound and editing.
- 7) Watch the Asian cinematic masterpiece Hero by Zhang Yimou
- 8) Research Hurricane Katrina (this forms the context of one of our study films)
- 9) Begin some basic Film Theory by watching the introductory video on Auteur Theory [here](#).

Health and Social Care

Health and Social Care - in general

<https://www.continuing-healthcare.co.uk/continuing-healthcare-guidance/difference-between-healthcare-and-social-care> - What is the difference between Health and Social Care?

<https://www.youtube.com/watch?v=yRk8QXEtFbQ> - Why study a career in Health and Social Care?

What you will need to know: In Health and Social Care :

We study a range of topics that will equip you with the right skills, knowledge and understanding including practical and personal skills required to work in the HSC sector. Students learn how to deliver person-centred care and support to meet the needs of a variety of service-users (patients / clients). Building positive relationships with the people they are working with, so that their needs and requirements are met whilst they maintain control of their own care and support is the most important thing when caring for others. We consider the real impacts to people living with conditions or illnesses such as the social, financial and psychological impacts, not just the signs, symptoms and treatment of faceless conditions or illnesses. Students will also learn about the legislation and guidance supporting health and social care, so that they can ensure the people they are working with are not only able to access all the care and support they are entitled to, but are also able to protect themselves from any harm or abuse whilst at work.

Websites to help:

<https://www.princes-trust.org.uk/help-for-young-people/programmes/health-and-social-care-hub/the-health-and-social-care-sector> - Roles within HSC sectors

<https://w.uktv.co.uk/shows/inside-ambulance/> - Inside the ambulance series (Channel 4)

<https://www.youtube.com/watch?v=VzBVJJEGHYM> - Being a Paramedic

<https://www.channel4.com/programmes/one-born-every-minute/episode-guide/> Being a Midwife

<https://www.communitycare.co.uk/2017/06/08/social-work-vlog-first-week-social-work/> Being a Social worker

<https://www.healthcareers.nhs.uk/explore-roles/public-health/roles-public-health/health-visitor> Being a Health Visitor

<https://childmindinguk.com/becoming-a-childminder> - Being a Childminder

<https://www.youtube.com/watch?v=Pz-puk2vCDs> - Working with the elderly

<https://www.healthcareers.nhs.uk/explore-roles/nursing/roles-nursing/mental-health-nurse> - What is Dementia?

<https://www.healthcareers.nhs.uk/explore-roles/nursing/roles-nursing/mental-health-nurse> - Working as a Mental Health Nurse

Netflix:

Notebook (Unit 24; Dementia Care)

Still Alice (Unit 1: Developing Communication; Unit 21; Caring for older adults; Unit 24: Dementia Care)

The Leisure Seeker (Unit 1 : Developing Communication; Unit 2: Equality and Diversity; Unit 21: Caring for Older Adults; Unit 24: Dementia Care);

History

Some areas of study for P16 Maos' China, and Russia 1917-90.

Mao's China, 1949-76.

<https://www.youtube.com/watch?v=SmWykhZNZw0> (Establishing Communist Rule)

<https://www.theguardian.com/world/2016/may/11/the-cultural-revolution-50-years-on-all-you-need-to-know-about-chinas-political-convulsion> (The Cultural Revolution).

http://www.bbc.co.uk/history/historic_figures/mao_zedong.shtml (Over view)

<https://www.youtube.com/watch?v=9oNcXf6-OBI> (over view).

Edexcel A level Mao's China revision guide is also good. (Available at Amazon)

Russia 1917-90

The Russian Revolution: <https://www.history.com/topics/russia/russian-revolution>

3 minute Russian Revolution: <https://www.youtube.com/watch?v=KOK1TMSyKcM>

The Russian Revolution: <https://www.youtube.com/watch?v=cV9G1QUIm7w>

Stalin: Inside the Terror documentary. <https://www.youtube.com/watch?v=Ro4-gscptQU>

Joseph Stalin: Red Terror <https://www.youtube.com/watch?v=wFHWcjirJbs>

Why did the Soviet Collapse?: <https://www.youtube.com/watch?v=qZdijf1U7OY>

Law

- 1) **Parliament Website** Some great resources/interactive activities. Have a go at being MP for a week. [Resources Archive - Parliament UK Education](#)
- 2) **To Kill a Mockingbird** *Harper Lee*. Read the book or watch the film.
- 3) [What is the UK Supreme Court?](#) Read the article and watch the short clip
- 4) [Why do prisoners serve only half their sentence?](#) Read the article
- 5) [You be the Judge - A guide to sentencing](#) An interactive game guiding you through the reasoning behind sentences given to criminals

- 6) Catching Britain's Killers- The crimes that changed us. This episode shows how one Mother's campaign for justice led to the changing of a 800 year old law on double jeopardy. EPISODE 2 [CATCHING BRITAINS KILLERS](#)
- 7) [The Strange Case of the Law, episode 1 of 3, Laying Down the Law.](#) The origins of the English common law
- 8) [The Barristers, part 1 - 1of6](#) The other parts of this are available, just allow it to continue playing. This is quite old now but is still a very good insight into becoming a barrister for anyone interested in that career.
- 9) [The Briefs | Part One \(Criminal Law Documentary\) | Real Stories](#) An insight into the day to day life of a barrister
- 10) [To Kill a Burglar: The Tony Martin Story](#) Dramatisation of events at a farmhouse in Norfolk in 1999 which had an impact on the criminal defences of self defence and diminished responsibility

Maths and Further Maths

1. [Bridging test material](#) A series of tests and solutions for bridging work from GCSE Maths to starting AS Level
2. [Mathswatch](#) Log into mathswatch and make sure you are confident with the grade 7-9 material.
3. [Transition to AS Level material](#) The AMSP provides a lot of support material for moving onto starting AS Maths.
4. [NRICH problems](#) NRICH has a lot of fun resources that look at applying theory into a context. A bit of fun to try the problems.
5. [Preparing as a student](#) Quite good to see from someone in your position and what they did to get themselves self-motivated to be ready for their studies.
6. [UKMT papers](#) You will be doing the UKMT Senior Challenge so here's a really good chance to practise your resilience and problem solving. You can download all the past papers for free as well!
7. [Downtime watchlist](#) In case you want some relaxing downtime, here are some films that feature Mathematics and may inspire you for studies beyond A Level.
8. [Secrets and Lies Christmas Lectures](#) The Royal Institution Christmas Lectures are always good fun for an insight into making sense of the world around us. Hannah Fry is an exceptionally brilliant presenter and Mathematician who brings the world to light.
9. [Alex Bellos](#), [Hannah Fry](#), [Rob Eastaway](#), [Matt Parker](#), [Kit Yates](#). These are some Mathematicians in the public eye who I have had the pleasure of meeting or going to one of their events. I also enjoy reading their books!
10. [Rachel Riley](#), [Dara O'Briain](#), [Brian May](#), [Glen Johnson](#). These are the next set of celebrities that I'd like to meet and have a chat with about Maths!

Media

- 1) Watch some YouTube videos and why we must study the media and its far reaching influence that shapes how we think, act and behave. Some examples are [here](#), [here](#) and [here](#).
- 2) Research the rise and power of advertising. [Here](#) is a video to get you started.
- 3) Watch the music videos by Beyonce.
- 4) Research Hurricane Katrina, blackLivesMatter, the Black Panthers and the American Civil Rights

Movement.

- 5) Watch the documentary Film Miss Representation by Jennifer Siebel Newsome. The trailer is [here](#) and if you cannot find the full film here is a link to some [clips](#).
- 6) Research the history of The Daily Mirror newspaper.
- 7) Watch a range of British Crime Dramas such as: Line of Duty, Gangs of London, Top Boy Killing Eve, Bulletproof Broadchurch, Happy Valley
- 8) Research Vogue Magazine and its history. A YouTube video that is excellent is [here](#) and a guide to Vogue by decade is [here](#).
- 9) Find out about the rise of the e-media star by looking at the success of [superstar vloggers](#) and some of [YouTubes most successful content creators](#).

Motor Vehicle Engineering

1. Hillier's Fundamentals of Motor Vehicle Technology Book 1 ISBN-10: 1408515180
2. Hilliers Fundamentals Of Automotive Electronics Book 2 ISBN 10: 1408515377
3. Principles of Light Vehicle Operations (Light Vehicle Technology) Level 1 ISBN 10: 0435048155
4. Level 2 Principles of Light Vehicle Maintenance and Repair Candidate Handbook (Light Vehicle Technology) Level 2 ISBN-10: 0435048163
5. Automotive Technician Training: Theory (ATT Training) ISBN: 0415720389
6. [Learn Engineering](#) on You Tube
7. [Automotive Basic Knowledge](#) on You Tube
8. [Engineering Explained](#) on You Tube
9. [Automobile Engineering Quiz](#) App from Spyder Web for Android
10. [Automobile Book Engineering](#) App from Spyder Web for Android

Physics

1. [AQA Physics Transition Guide](#) (From GCSE to AS/A Level)
2. [Head Start to A Level Physics, CGP](#) (The Kindle edition is free and you don't have to have a kindle, you can use the free kindle reader app)
3. [Physics Online](#) YouTube Channel (Has videos and live lessons for GCSE (you can look at the Triple only content) and A Level)
4. [Physics A Level Blog](#) - (includes a 'links' section which has recommended YouTube links as well as people to follow on Twitter and a blog section you can read for interest as well as sections on A Level topics)
5. [A Level Physics Bridging Work](#) (This is from another school but is really useful. The first page has a table outlining which topics are not covered in Combined Science at GCSE that are useful to be aware of)

Religious Studies

1. Not reading but films. These all have ethical or philosophical elements that are worth considering: The Truman Show, The Matrix, Groundhog Day, Gattaca, The Island, Hot Fuzz, Being John Malkovich, Bruce/Evan Almighty, The Invention of Lying, Avengers: Infinity War, Juno.
2. https://www.christianpost.com/news/covid-19-pandemic-an-opportunity-for-christians-to-lament-not-have-all-answers-nt-wright-says.html?mc_cid=1b9935b82e&mc_eid=b9125a5098 Theologian NT Wright (one we study at A Level) offers thoughts on Coronavirus pandemic

3. The Good Place. If you have Netflix this is definitely something to watch to prepare you for A Level!
4. https://www.bioedge.org/bioethics/coronavirus-and-the-ethics-of-home-isolation/13369?mc_cid=e98287516a&mc_eid=b9125a5098 Ethics of self-isolating during the pandemic
5. https://www.thetablet.co.uk/news/12620/dioceses-switch-to-streaming-mass-online?mc_cid=e98287516a&mc_eid=b9125a5098 Consider - can religion and community survive (and/or thrive) by going online?
6. <https://www1.chester.ac.uk/departments/theology-and-religious-studies> - A Level webinars currently Tuesday lunch times during the lockdown.
7. https://theconversation.com/humans-are-hardwired-to-dismiss-facts-that-dont-fit-their-worldview-127168?fbclid=IwAR1629GYWqWa6kM2PDz2qlzx2YcggQDLNfuvS1hnqqLHZtgYksJEzPuolCQ&mc_cid=626736f033&mc_eid=b9125a5098 - Useful for Religious Language - logical positivism
8. https://www.politics.co.uk/comment-analysis/2019/11/27/election-2019-the-ethics-of-voting-for-the-lesser-evil?mc_cid=2c21a0cdb5&mc_eid=b9125a5098 - Ethics of voting. Interesting to consider again given the current situation.
9. <https://www.nbcnews.com/think/opinion/kanye-west-s-christian-conversion-less-about-jesus-it-about-ncna1075136> Kanye West - consider - can we criticise one person's religions conversion experience?
10. https://www.independent.co.uk/news/world/americas/doctor-sue-abortion-drugs-us-government-rebecca-gomperts-a9100816.html?mc_cid=c26907020f&mc_eid=b9125a5098 Abortion laws.

Sociology

- 1) Lots of fictional texts have an underlying plot regarding society and the way it is constructed or implemented, some famous ones include;
 - a) The Handmaid's Tale, Margaret Atwood
 - b) Animal Farm, George Orwell
 - c) Brave New World, Aldous Huxley
 - d) 1984, George Orwell
 - e) Lord of the Flies, William Golding
 - f) Fahrenheit 451, Ray Bradbury
- 2) [What Is Sociology?: Crash Course Sociology #1](#) This series introduces the basic ideas behind sociology. It is American but the themes are the same as we study.
- 3) [Wild Child: The Story of Feral Children](#)
A great way to get thinking about the Nature v Nurture debate. A programme looking at youngsters who have experienced none, or very little interaction with humans during early childhood
- 4) [Neil: from 7 to 49](#) The 'UP' series began in 1963, documenting the lives of a group of 7 year olds. These children have been revisited by documentary makers every 7 years. They were 63 in the most recent episodes. Many episodes are on youtube
- 5) Antz (yes the animated film) is a great way to base understanding of Marxism
- 6) [The Secret Life Of 4 5 And 6 Year Olds S01 E01 - video dailymotion](#) but was it filmed ethically?
[Michael Rosen: The Secret Life of Five-Year-Olds is unethical and absurd](#)
- 7) Made in Dagenham - Film documenting one group of female workers campaigning for equal rights
- 8) <https://www.channel4.com/programmes/what-makes-a-murderer/on-demand/> Series exploring what causes a person to kill another-their genes, their experiences/upbringing, their psyche, or a mixture of these things?
- 9) Lots of articles are trying to predict how the current pandemic will have a longer term impact on everyday life. Consider how accurate you think the predictions might be.
[How will coronavirus change the way we live?](#)

[‘We can’t go back to normal’: how will coronavirus change the world?](#)
[Coronavirus predictions: 11 ways the Covid-19 pandemic will change us and the economy](#)
[Five ways COVID-19 may change the world](#)
[How will coronavirus change the world?](#)
[How The COVID-19 Pandemic Will Change the Way We Live](#)

10) A guide to the ‘norms’ of the British, aimed at foreign students coming to live here. [British Culture and Social Norms - Study in UK](#)

Sport - Cambridge Technical Extended Certificate Sport and Physical Activity

The body systems Unit 01: (Mandatory external exam)

You will need to know the key areas of the body and the relation to physical activity.

What you will need to know:

<https://www.ocr.org.uk/Images/258723-body-systems-and-the-effects-of-physical-activity.pdf>

Websites to help:

http://www.bbc.co.uk/science/humanbody/body/factfiles/skeleton_anatomy.shtml

<http://humananatomybody.info/full-body-muscle-label/>

www.brianmac.co.uk

www.teachpe.com

www.livestrong.com

<https://www.ptdirect.com/training-design/anatomy-and-physiology/skeletal-muscle-roles-and-contraction-types>

<http://cliparts.co/heart-diagram-unlabeled>

Video library:

Generic sport themes which helps to improve your knowledge of the sporting world

Netflix:

Unstoppable (Sport Psychology)

Icarus (Drugs/Performance)

Stop at Nothing (Doping in Sport)

The Game Changers (Diet and Nutrition)

The Last Dance (Michael Jordan)

Losers (Adversity in Sport)

YouTube:

“Is Professionalism Killing Sport” BBC Documentary

The Psychology of a Winner 2020 Documentary

The Race to Dope (Doping System in Sport)

Books:

The Secret Race – Tyler Hamilton and Daniel Coyle *Drugs/Energy Systems/Deviance*

Unbeatable – Jessica Ennis

Between the lines – Victoria Pendleton

Travel and Tourism

1. Worldwide destinations - The Geography of Travel and Tourism. Chapter one (An Introduction to the Geography of Travel and Tourism) can be accessed for free here:<https://books.google.co.uk/books?id=PSDeCwAAQBAJ&printsec=frontcover&dq=travel+and+to+urism+UK&hl=en&sa=X&ved=0ahUKEwiU75rvwqHpAhVpaRUIHTp4Aeo4ChDoAQglMAA#v=onepage&q&f=false>
2. VisitBritain - UK domestic tourism promotion <https://www.visitbritain.org/our-five-year-strategy>
3. Pearson specification <https://qualifications.pearson.com/en/qualifications/btec-nationals/travel-and-tourism-2010.coursematerials.html#filterQuery=Pearson-UK:Category%2FSpecification>
4. Tourism Alliance - Up to date data and statistics for UK travel inbound, outbound and domestic https://www.tourismalliance.com/downloads/TA_408_435.pdf
5. '100 years of British Airways' case study documentary <https://www.youtube.com/watch?v=fVt0Ms4ykkY>
6. The importance of tourism for economic development <https://www.youtube.com/watch?v=lbKyzDS6r-w>
7. Jobs and roles in the Travel and Tourism industry ' Introduction to Cabin Crew' free preview of book here <https://books.google.co.uk/books?id=dBc0DwAAQBAJ&printsec=frontcover&dq=BTEC+travel+and+tourism+level+3&hl=en&sa=X&ved=0ahUKEwiw3pmMyaHpAhUytHEKHUwDBEMQ6wEIUzAG#v=onepage&q&f=false>
8. Travel and Tourism publishing - Free resources for a number of topics. <https://www.tandtpublishing.co.uk/free-travel-and-tourism-resources.html>
9. Unit 1 - Introduction to the UK Travel and Tourism Industry - Preview [https://www.pearsonschooolsandfecolleges.co.uk/FEAndVocational/TravelAndTourism/BTEC/Level3BTECNationalTravelandTourism/Samples/StudentBook/SamplepagesfromUnit1Investigatingthetravelandtourismsector\(BTECLevel3NationalTravelandTourismStudentBook\).pdf](https://www.pearsonschooolsandfecolleges.co.uk/FEAndVocational/TravelAndTourism/BTEC/Level3BTECNationalTravelandTourism/Samples/StudentBook/SamplepagesfromUnit1Investigatingthetravelandtourismsector(BTECLevel3NationalTravelandTourismStudentBook).pdf)
10. History of the Travel and Tourism industry ' A brief history of innovation in travel' <https://www.youtube.com/watch?v=dWNRkUpJees>