



Colyton  
Grammar  
School

# Preparation for Sixth Form Study

## Preparation for Sixth Form Study

### Introduction

You are about to embark on a fascinating journey. In the Sixth Form at Colyton you will have opportunities for research and learning that will lead you beyond the classroom, allowing your skills and talents to shine, and giving you a headstart on undergraduate programmes at university with the very brightest of young people in your generation - as well as in inspiring careers beyond. In an unforeseen way, that journey can now begin outside the classroom, too, using the time you have been given as you no longer have to sit your GCSE exams this summer. We would like you to make the most of this opportunity to explore the subjects you have chosen at A-Level and to begin your thinking about what you may like to do for your Extended Project. This will give you a great advantage when it comes to starting in the Sixth Form next term.

The purpose of this document is to allow you to get to know much more about the A-Levels you have chosen, to begin to explore the study of a subject beyond the confines of GCSE, and to find something to inspire you, to get you thinking and sparking your curiosity. There are tasks as well as reading for each subject.

If you are already a member of the school, you will be able to follow post-GCSE learning through the Microsoft Teams that you are in. However, this booklet is also designed so those of you who have applied to join us in the Sixth Form from other schools can get an insight into what A-Level study at Colyton Grammar School involves and make a great headstart on your sixth form studies too.

There may also be those amongst you who are having second thoughts about A-Level subject choice; this booklet will allow you to explore alternatives in more depth than would be otherwise available. You will then be able to discuss subject changes - with a greater knowledge of syllabus content - should you wish when it comes to our Sixth Form Enrolment Day in August. We do not expect you to have bought text books or done all the tasks suggested for your A-Level subjects by the time that Year 12 begins. We appreciate that there is still an amount of uncertainty as you await your GCSE grades in the summer, and that these grades may influence you to change your plans. However, we would urge you to absorb yourself in the learning that this publication offers, as it will help you to maintain healthy intellectual activity and give you a

way of thinking about a subject that will take you beyond GCSE and thereby pave the way for the first steps on the road ahead. The Library page in this publication gives details of how to access online academic sources. The school [website](#) provides details of how the school may be able to help with meeting the cost of books when you join the school.

Although we have sadly had to cancel our Sixth Form Induction Day in July, we hope that this document will give you an insight into the enthusiasm and expertise our teachers have, and which helps make our Sixth Form so successful.

Mr S Smith, Head of Sixth Form

“ Pupils, particularly in the Sixth Form, delight in asking questions, sharing their views and ‘sparring’ through discussion and debate. They relish the good-natured academic challenge and enjoy such exchanges.

OFSTED 2020

”



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## The Colyton Bacallaureate



In becoming a sixth former at Colyton, you will benefit from the school's long-standing, national reputation for excellence. This reputation has been created by generations of students whose personal qualities have impressed employers and universities alike. Our students leave us having fostered an extremely constructive set of skills around the way they approach learning. They show initiative, self-motivation and community spirit. Not only will you benefit from the reputation your predecessors have established, we know that when you are ready to leave us, you yourselves will be ambassadors for those generations of sixth formers who follow.

As a way of formally recognising the wealth of talent and character our students show we have developed our own bacallaureate, which itself is built on our years of experience in running the now obsolete AQA Bacallaureate. We expect all of our students to achieve the award which comprises three A-Levels, the Extended Project Qualification and evidence of Personal Development and Insight.

### Evidence of Personal Development And insight

Career planning and employability

Community involvement

Extra-curricular involvement

### Personal Development and Insight

As a sixth former we encourage you to be reflective, to spend some time seriously thinking about yourself: what makes you tick, what kinds of things inspire and motivate you and where you want to go in life.

Action planning is a formal part of the pastoral curriculum and based on an honest evaluation of where you are at key stages in your development, as well as a clear appraisal of the opportunities and challenges that lie ahead for you.

It is not just about your academic progress, but your development as a person.



“

Pupils' love of learning is the product of many complementary factors. They are exceedingly well taught, follow an enriching curriculum and feel valued as individuals within a high-achieving culture, regardless of their background or needs.

OFSTED 2020

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“ Subject leaders are passionately committed to their subjects. OFSTED 2020 ”

## Biology

Exam Board: OCR 'A' H420

This is a dynamic and wide ranging course that allows you to explore further the wonders of the living world. It extends the material covered at GCSE to give insight into the workings of systems in living organisms, and how all of life is interconnected.

To view the Biology A-Level specification visit the OCR website using the following link: <https://ocr.org.uk/qualifications/as-and-a-level/biology-a-h020-h420-from-2015/>



Suggested introductory tasks:

There are a number of introductory tasks across each of the course topics. Click [here](#) to view the full Biology Enrichment Dashboard where you will find all seven topics and related tasks



Click [here](#) to view the full Biology Enrichment Dashboard



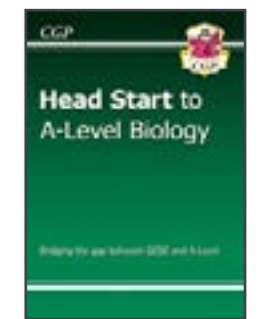
Suggested reading material:

There are now many textbooks and revision guides available, however we recommend this one as it remains the only OCR 'endorsed' book. We will be placing a bulk order for you in September, so please don't rush to buy it. Last year we got a 50% discount and there will be some second hand ones available I'm sure.



Author: Series Editor Ann Fullick, Author Jo Locke, and Author Paul Bircher  
ISBN: 9780198351924  
Publisher: Oxford University Press  
Date: September 2015

Free kindle download, courtesy of CGP. CGP produce a 'Bridging the gap' book which has excellent content. You can download it free from amazon. You might want to download the Kindle APP for best functionality: [https://www.amazon.co.uk/Head-Start-level-Biology-Level-ebook/dp/B00VE2NIOI/ref=sr\\_1\\_2?dchild=1&keywords=cgp+bridging+the+gap&qid=1587992965&sr=8-2](https://www.amazon.co.uk/Head-Start-level-Biology-Level-ebook/dp/B00VE2NIOI/ref=sr_1_2?dchild=1&keywords=cgp+bridging+the+gap&qid=1587992965&sr=8-2)



## Chemistry

Chemistry is an exciting and rapidly changing subject, crucial to understanding many of today's global issues. This course will enable you to develop a wide range of skills (communication, numerical, problem solving and practical skills). Chemistry fosters a scientific methodology that will promote your ability to work constructively with other scientifically minded individuals.

Exam Board: Edexcel 9CH0

To view the Chemistry A-Level specification visit the Pearson website using the following link: <https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/chemistry-2015.html>



Suggested introductory tasks:

Head Start to A-Level Chemistry free Kindle download: <https://www.amazon.co.uk/Head-Start-level-Chemistry-Level/dp/1782942807>

Work through the GCSE Chemistry topics on <http://www.senecalearning.com> especially calculations and structure and bonding



Suggested reading material

Books:

- The Pleasure of Finding Things Out, Richard Feynman
- Periodic Tales, Hugh Aldersey-Williams
- The Disappearing Spoon, Sam Kean
- Uncle Tungsten, Oliver Sacks
- The Shocking History of Phosphorus: A Biography of the Devil's Element, John Emsley
- The Periodic Table, Primo Levi
- Superheavy, Kit Chapman

Magazine/Journals:

- Scientific American
- New Scientist



Suggested enrichment material:

- Periodic Table of Videos by Martyn Poliakoff <http://www.youtube.com>
- Royal Society of Chemistry <http://www.rsc.org.uk>

Click [here](#) to view the Chemistry Enrichment Dashboard



## Computer Science

Exam Board: AQA 7517

Computer science is changing our lives at a rapid pace. This course gives a strong theoretical background to how computers work and communicate and how to design algorithms and programs that make use of them. It considers technological innovations and their social and ethical impact.

To view the Computer Science A-Level specification visit the AQA website using the following link: <https://www.aqa.org.uk/subjects/computer-science-and-it/as-and-a-level/computer-science-7516-7517>



Suggested reading material:



Try tutorials at <https://isaacomputerscience.org/> (an online learning platform similar to Seneca but for A-Level)

Click [here](#) to view the Computer Science Enrichment Dashboard

- MagPi books and magazines (free to download PDF) - hardware and software projects designed for use with Raspberry Pi computers but many of the software tasks could be done with any computer:
  - o MagPi magazine (free to download): <https://magpi.raspberrypi.org/issues>
  - o MagPi books (free to download) contain a selection of hardware and software projects using Raspberry Pi, Linux and Python: <https://magpi.raspberrypi.org/books/>
    - Projects Book 5 <https://magpi.raspberrypi.org/books/projects-5>
    - Conquer the Command Line <https://magpi.raspberrypi.org/books/command-line-second-edition>
    - Make Games with Python <https://magpi.raspberrypi.org/books/essentials-games-vol1>
    - Retro Gaming with Raspberry Pi <https://magpi.raspberrypi.org/books/retro-gaming>
- The Practice of Programming (Professional Computing), B W Kernighan, ISBN: 978-0201615869
- Outnumbered: From Facebook and Google to Fake News and Filter-bubbles – The Algorithms That Control Our Lives, D Sumpter, ISBN: 978-1472947413

Suggested introductory tasks:

Try one (or more) of the tutorials listed below, and on the Computer Science Enrichment Dashboard, to improve your programming skills. Choose one that is pitched correctly for your current skills and experience.

Python - mastering the basics - Complete a Python tutorial to ensure you have GCSE-level knowledge - especially useful if you did not use Python at GCSE, did not do GCSE Computer Science or simply are not confident in your programming:

- <https://python-textbok.readthedocs.io/en/1.0/Introduction.html>
- <https://pythonprogramming.net/introduction-learn-python-3-tutorials/>

There are three additional tasks on the Computer Science Enrichment Dashboard:

- \* Python - developing skills beyond GCSE
- \* Python - object oriented programming
- \* Problem-solving task

Click [here](#) for the full Computer Science task details on the Computer Science Enrichment Dashboard



## Economics

Exam Board: Edexcel B 9EB0

### Course Aims

This subject aims to develop logical-thinking and problem solving skills. It provides you with a clear understanding as to the rationale behind the behaviour of individuals, firms and the government.

To view the Economics A-Level specification visit the Pearson website using the following link: <https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/economics-b-2015.html>

Suggested introductory tasks:



At the current moment in time there are very few subjects that are more topical and relevant. The internet is awash with stories about the economic impact of Covid-19 on countries, businesses, commodities and individuals.

Choose a commodity e.g. oil, gold, cocoa etc. Find out what has happened to the price of this commodity during the last three months and explore the demand and supply factors that have led to the change in price

Did you know that the price of West Texas Intermediate (a form of crude oil) had a negative price on certain days in April?



Suggested enrichment material:

Watch any episode of 'Ramsay's Kitchen Nightmares' on 'All4'. Alternatively, you could watch any episode of 'The Hotel Inspector' on 'My5'. Make a list of all of the problems faced by the respective businesses and think what solutions you may have to them. Try and isolate the critical problems which caused these businesses to struggle.

Click [here](#) to view the full Economics Enrichment Dashboard



## English Literature

Exam Board: Eduqas A720QS

Whenever members of the English Department are asked "Would I enjoy doing English A-Level?" we always reply: "Do you enjoy reading?" If the answer is yes, then this is the course for you.

To view the English Literature A-Level specification visit the Eduqas website using the following link: <https://www.eduqas.co.uk/media/gkxh25ep/eduqas-a-level-english-lit-spec-from-2015-e.pdf>



The core texts you will study are listed below. Feel free to read these, but there is no requirement to do so. It is most important that you read as widely as possible to develop your knowledge and understanding of different types of texts by undertaking the preparatory tasks, below:

Poetry - TS Eliot, Selected Poems, Thomas Hardy, Selected Poems and Geoffrey Chaucer The Merchant's Prologue and Tale

Drama - King Lear by William Shakespeare and either Loot by Joe Orton and The Revenger's Tragedy by Thomas Middleton or Betrayal by Harold Pinter and Lady Windemere's Fan by Oscar Wilde



Suggested introductory tasks:

**Poetry:** Read as much poetry as you can. A selection of poems by the poets shortlisted for the 2019 TS Eliot Prize is available [here](#).

**Prose:** For your A-Level coursework, you write an essay comparing a pre-2000 novel with a post-2000 novel. We study two novels in class, but you are free to choose your own texts for the essay. We suggest that you read at least two books from the table below:

Pre-2000	Post-2000
<b>Wuthering Heights</b> , Emily Brontë	<b>Americanah</b> , Chimamanda Ngozi Adichie
<b>The Bloody Chamber</b> , Angela Carter	<b>The Good Doctor</b> , Damon Galgut
<b>The Scarlett Letter</b> , Nathaniel Hawthorne	<b>The Line of Beauty</b> , Alan Hollinghurst
<b>Waterland</b> , Graham Swift	<b>Never Let Me Go</b> , Kazuo Ishiguro
<b>Vile Bodies</b> , Evelyn Waugh	<b>The Plot Against America</b> , Philip Roth
<b>Oranges Are Not the Only Fruit</b> , Jeanette Winterson	<b>White Teeth</b> , Zadie Smith

Once you find a poet you like, read as much of their work as you can. Then complete at least one of the activities below:

- Write an explanation of why you like the poet, considering both the poet's themes and subject matter, and their style
- Choose a poem by another poet and rewrite it in the style of your chosen poet
- Choose one poem that represents what you admire about the poet and produce a piece of work that explains why you think it does so. This could take any form you like: perhaps a piece of writing, a podcast, or a pictorial guide to the poem?

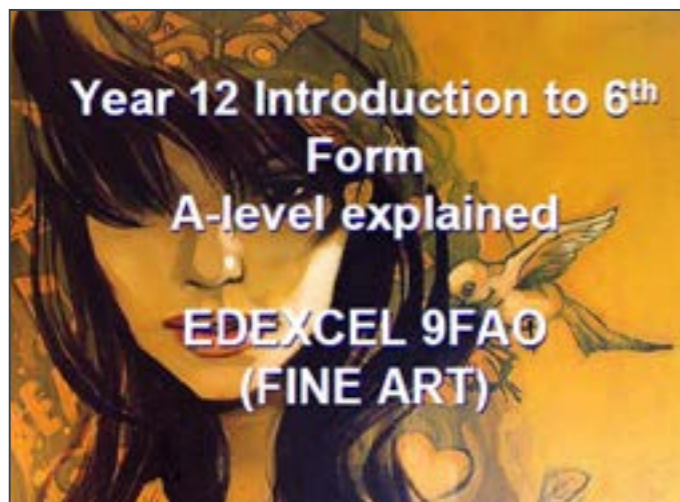
**Drama:** In preparation for studying King Lear, we suggest getting to know some of Shakespeare's other plays. Please read or watch Hamlet and at least one other Shakespeare play of your choice. We recommend watching the play in performance, if possible. There are some excellent productions freely available online.

## Fine Art

Art is an exciting subject to follow at A-Level. The A-Level specification aims to develop in you a high level of visual enquiry, an ability to explore creatively through the use of a wide variety of media and a maturity to form and develop personal ideas and then realise these ideas, displaying a high standard of creative and technical ability. The intent of the course is to help you increase your perception and awareness of your environment, to encourage an imaginative and creative approach to problem solving, and to develop self discipline and confidence. Personal involvement and autonomy is expected and encouraged as you relate your own work to the wider world of Art.



Click on the image below to view the A-Level Fine Art Introduction. The introduction includes a number of suggested introductory tasks.



Exam Board: Edexcel 9FAO

To view the Fine Art A-Level specification visit the Pearson website using the following link:  
<https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/art-and-design-2015.html>



Useful Art Enrichment material is available online. Click on the links below:

<http://www.eyestorm.com>  
<http://www.thisiscolossal.com>  
<http://www.saatchionline.com>  
[www.artchive.com](http://www.artchive.com)  
[www.axisweb.org](http://www.axisweb.org)  
[www.Dailydawdle.com](http://www.Dailydawdle.com)  
[www.todayinart.com](http://www.todayinart.com)  
[www.vault49.com](http://www.vault49.com)  
<https://www.brwnpaperbag.com>  
<http://thedesigninspiration.com>  
<https://www.booooooom.com>  
<http://www.thejealouscurator.com/blog>  
<http://globalstreetart.com>  
<https://www.juxtapoz.com>  
<https://canvas.saatchiart.com/category/art>

Click [here](#) to view the full Fine Art Enrichment Dashboard

## French

Exam Board: WJEC 9500 03

The most successful French A-Level students are enthusiastic about language learning as both an academic discipline and a practical, communicative skill. That means they enjoy studying grammar and learning vocabulary, but they are also keen to communicate and apply their knowledge in the real world. It helps if you have some interest in aspects of the history, society or culture of France or French-speaking countries, and some interest in studying and analysing literature and film would be an advantage (though this only counts for 20% of the qualification).



Suggested reading material in French:

- Astérix et Obélix
- La Gloire de mon père, Marcel Pagnol
- Le journal d' Anne Frank, Anne Frank
- Le Petit Prince, Antoine de St Exupéry
- L' étranger, Albert Camus
- La guerre des boutons, Louis Pergaud
- Boule de suif, Maupassant
- Une partie de campagne, Maupassant

Click [here](#) to view the full French Enrichment Dashboard



Enrichment material is available online. Click on the links listed below:

1 jour 1 actu – a way to find out about the world in French - <http://www.1jour1actu.com>  
BFM TV - <http://www.bfmtv.com> – news in French  
TF1 - <http://www.tf1.fr> – news in French  
Eduqas Resources - <https://resources.eduqas.co.uk/Pages/ResourceByArgs.aspx?subId=12&lvlId=1> – for more independent work on topics studied  
INA - <http://www.ina.fr> – French TV archives, a great way to explore themes of interest through authentic material.  
Phosphore - <http://www.phosphore.com> – French magazine for teenagers  
Le Monde - <http://www.lemonde.fr> – French national newspaper  
20 Minutes - <http://www.20minutes.fr> – French news  
Slow news in French - <http://www.newsinslowfrench.com> – News made easier to understand  
C' est pas sorcier - search this series on [Youtube](#) to listen to French scientific documentaries  
Des racines et des ailes - search this series on [Youtube](#) to listen to French regional documentaries  
Arte - <http://www.arte.tv/fr/> - Cultural French-German TV channel



Suggested Introductory tasks:

The MFL department have produced a number of introductory tasks to help you over the summer period. Click [here](#) for full French task details

## Geography

This is a complex and dynamic course and varies from place to place depending on people's resources, technology and culture. There is plenty of room for discussion and extended research which will help you become an independent thinker and learner.

Exam Board: Edexcel 9GE0

To view Geography A-Level specification visit the Pearson website using the following link: <https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/geography-2016.html>



Suggested introductory tasks:

- Task 1 Physical : Climatic change hazards and disasters
- Task 2 Human : Globalisation
- Task 3 Watch one or both of the interesting lectures on 'Globalisation: The environmental challenges of mega cities' and/or 'Volcanoes and society'

Click [here](#) for the full task details in the Geography Enrichment Dashboard



Core textbooks will include:

- Edexcel A level Book 1 Cameron Dunn et al Hodder Education ISBN 978-1-4718-5654-9
- Edexcel A level Book 2 Cameroon Dunn et al Hodder Education ISBN 978-1-4718-5653-2

To prepare you here is some suggested reading material that you might want to do over the summer:

Factfulness, Hans Rosling  
Prisoners of Geography, Tim Marshall  
Krakatoa, Simon Winchester  
Surviving Galeras, Stanley Williams



## Government & Politics

A-Level Government and Politics at Colyton will give you a level of political awareness and insight that will serve you beyond the curriculum, as well-informed active citizens. The tumultuous events of recent years show us that the subject is now more relevant than ever and never has rigorous, academic reflection on the discipline been so important.

Exam Board: Edexcel 9PLO

To view the Government and Politics A-Level specification visit the Pearson website using the following link: <https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/politics-2017.html>



Suggested Introductory tasks:

1. Use the following websites to keep a diary of British and American Politics: what appear to be the most significant events and developments? Who appear to be the key individuals that dominate the political landscape?
  - a) British Politics: [www.bbc.co.uk/news/politics](http://www.bbc.co.uk/news/politics)
  - b) US Politics: [www.bbc.co.uk/news/world/us\\_and\\_canada](http://www.bbc.co.uk/news/world/us_and_canada)
2. In September we start the course with the UK modules on 'Electoral Systems' and 'Democracy and Political Participation'. Here are some suggestions to start you off thinking about these topics...
  - a) Explore the following pages on the system used for UK General Elections and then take 'the test': [www.bbc.co.uk/bitesize/guides/zcrsg82/revision/1](http://www.bbc.co.uk/bitesize/guides/zcrsg82/revision/1)
  - b) Explore the arguments of the Electoral Reform Society: [www.electoral-reform.org.uk/](http://www.electoral-reform.org.uk/)
  - c) Explore the following statistics on UK General Elections: can you notice any trends? What has changed the most in recent years? [commonslibrary.parliament.uk/research-briefings/cbp-7529/](http://commonslibrary.parliament.uk/research-briefings/cbp-7529/)



Click [here](#) to view the Government and Politics Enrichment Dashboard

Suggested reading material

- British Politics: A Very Short Introduction, Tony Wright
- American Politics: A Very Short Introduction, Richard M. Valelly

Beyond these, reading autobiographies by the likes of Cameron, Blair, Obama and Bush Jnr can be a nice way to get into the subject. Just remember these are all written with a political agenda in mind!





## History

Exam Board: AQA 7042

A-Level History at Colyton aims to foster a lifelong love for the discipline through a rich and varied curriculum. Whilst the syllabus can at first glance appear narrow, it is important to remember that the course touches on a wide range of international episodes beyond the immediate content that have each helped to shape the world we know today.

To view the History A-Level specification visit the AQA website using the following link: <https://www.aqa.org.uk/subjects/history/as-and-a-level/history-7041-7042>



Core textbooks include: The Quest for Political Stability: Germany 1871-1991, S Ellis and A Farmer (now only available as an ebook) and Access to History: Britain 1951-2007 Second Edition, Michael Lynch

To prepare you here is suggested reading material that you might want to do over the summer:

- Weimar and Nazi Germany, Chris Hinton and John Hite (SHP advanced History core texts)
- Access to History: Democracy and Dictatorship in Germany 1919-63, Geoff Layton
- Germany 1858-1990: Hope, Terror and Revival, A Kitson
- Bismarck and the German Empire, L Abrams
- Imperial Germany 1871-1918, S Lee
- A History of Modern Britain, Andrew Marr
- Never Had It So Good, Dominic Sandbrook
- White Heat, Dominic Sandbrook
- Mad As Hell, Dominic Sandbrook
- Thatcher and Sons: A Revolution in Three Acts, Simon Jenkins



We suggest a number of introductory tasks across both German and British history and a Personal Study exercise:

Explore different areas of History from before 1807 - is there an area that particularly interests you and you might want to make the focus of your A-Level History coursework?

Click [here](#) for the full German and British history task details in the History Enrichment Dashboard



Click [here](#) to view the full History Enrichment Dashboard

## Mathematics & Further Mathematics

Exam Board: OCR H240 & H245

In both Mathematics and Further Mathematics we aim to enable you to:

- Read, understand, analyse and criticise mathematical argument
- Use the language and notation of Mathematics clearly as a means of communication and of problem solving
- Develop an appreciation and enjoyment of Mathematics
- Acquire the skills needed for the study of Mathematics and other related subjects in Higher Education

To view the Mathematics A-Level specification visit the OCR website using the following link: <https://www.ocr.org.uk/qualifications/as-and-a-level/mathematics-a-h230-h240-from-2017/>

To view the Further Mathematics A-Level specification visit the OCR website using the following link: <https://www.ocr.org.uk/qualifications/as-and-a-level/further-mathematics-a-h235-h245-from-2017/>



Suggested extended reading:

- <https://plus.maths.org/content/> This magazine has some interesting and current articles as well as some challenging maths problems
- <https://www.numberphile.com/> This site has a large number of short videos covering almost anything mathematical
- <https://www.3blue1brown.com/> Another site with a large number of interesting videos on a huge number of maths and maths related topics
- e: The Story of a Number, Eli Maor 0691058547
- The Simpsons and Their Mathematical Secrets, Simon Singh 978-1408842812
- The Math Behind the Music, Leon Harkleroad 9780521009355



Mathematics and Further Mathematics continues overleaf

## Mathematics & Further Mathematics Continued



### Suggested introductory tasks:

The key to success in Mathematics and Further Mathematics is having solid top-end GCSE algebraic skills. The following link takes you to a set of exercises set up by OCR (the exam board we use) to help you be fully prepared for that step into A-Level study. We have set three introductory tasks. Click [here](#) for the full task details on the Mathematics and Further Mathematics Enrichment Dashboard

**Graphics Calculator** - The specification expects students to be familiar with a graphical calculator. We use the Casio fx-CG50. This has all the functionality that is needed for both Mathematics and Further Maths studies. As with the books we will have a stock of these available in the new term (They are often a lower price through the school). If, however, you wish to get one before the course starts you can source them online from a number of sites. A simple search will find it. There are many other good graphical calculators available but the one we are suggesting we are familiar with so are able to support students in how to use it efficiently.



Click [here](#) to view the full Mathematics and Further Mathematics Enrichment Dashboard

## Music

Exam Board: Eduqas A660

The Music course will enable you to be directly involved in listening, performing and composing. It will develop your all-round musicianship and musical understanding, in lessons which give you space to practise individually, as well as allowing you to focus on independent learning.



### Suggested introductory tasks:

Three things for you to do over the summer:

- 1 Brush up on your theory knowledge at <https://www.teoria.com/>
- 2 Watch the Howard Goodall programmes which are based on the 'Big Bangs' book. There are five programmes, the link is to the first on Notation. Up to you if you watch them all or select just one or two. The task is to prepare a short [no more than five minute] presentation about one of these 'big bangs' – you can present in any way you like. [https://www.youtube.com/watch?v=NOuHKLpkOmE&list=PLlrO8\\_B2\\_5kX64vJjnPag-U2Nysdd7VH&index=11&t=0s](https://www.youtube.com/watch?v=NOuHKLpkOmE&list=PLlrO8_B2_5kX64vJjnPag-U2Nysdd7VH&index=11&t=0s)
- 3 Finally a composition task to try based on the music of Igor Stravinsky: three pieces for String Quartet. Full details are on the [Music Enrichment Dashboard](#).

Click [here](#) for the full Music Enrichment Dashboard

Click [here](#) for the Summer Composition task



### Suggested reading material:

There are no textbooks in Music – details of set works that we will be studying will be provided at the start of the course. Meanwhile the following should prove interesting to read:

- Big Bangs, Goodall
- How music works, Powell
- Music: A very short introduction, Cook



### Suggested enrichment material:

There are many, many opportunities to do some listening and I would encourage you to move into areas of music which are new to you. I would suggest trying out these:

- The Listening Service <https://www.bbc.co.uk/programmes/b078n25h>
- Radio 3 'Composer of the week' <https://www.bbc.co.uk/programmes/p02nrvd3/episodes/downloads>

## Physical Education

You will gain a comprehensive knowledge, sound understanding and proficiency relating to scientific, socio-cultural and practical aspects of physical education.



Suggested extended reading:

- <https://www.brianmac.co.uk/>
- <https://www.bbc.co.uk/sport>
- <https://www.ukssport.gov.uk/>
- <https://www.theguardian.com/profile/guardian-sport>
- <https://www.sportengland.org/>
- <https://www.youthsporttrust.org/>

National Governing Body websites

- <http://www.thefa.com/>
- <https://www.englandrugby.com/>
- <https://www.eis2win.co.uk/>



Suggested introductory tasks:

Firstly, if you have not taken GCSE PE we suggest looking at these Flip Video tutorials to get familiar with the content of the course and topics that will be studied at A-Level. It will give you an excellent foundation to build on.

[Flip Video- Functions of the Skeletal system](#)

[Flip Video - Functions of the Cardiovascular system](#)

[Flip Video-Types of Practice](#)

[Flip Video-Methods of Training](#)

[Flip Video-The classification of skills](#)

[Flip Video-Types of guidance](#)

[Flip Video-Participation rates in sport](#)

[Flip Video-Commercialisation in sport](#)

Exam Board: AQA 7582

To view the Physical Education A-Level specification visit the AQA website using the following link: <https://www.aqa.org.uk/subjects/physical-education/gcse/physical-education-8582>

Suggested enrichment material:



Aside from the suggested extended reading and introductory tasks, try to watch a few of the videos listed below to improve your knowledge in a variety of sporting contexts. Choose those that interest you but perhaps also look at those that you currently do not have much knowledge of at all.

[Diet and nutrition video](#)  
[Awesome sport technology](#)  
[Top 10 Doping scandals in Sport](#)  
[Personalities in Sports](#)  
[Biomechanics of kicking of a football](#)  
[Sports injuries](#)

Click [here](#) to view the full PE Enrichment Dashboard

Practical Performance:

Start to think about which ONE sport you will choose as your practical activity. This will count as 30% of your final A-Level PE grade.

You should be training and performing/competing regularly out of school. If you are not already a member of a club out of school you need to research local clubs and look into joining.

The students who score the highest in the practical aspect of PE are members of sports clubs and play and compete regularly in their chosen sport at club level or higher.

## Physics

Exam Board: OCR B H557

Physics will help you develop a wide range of skills, (for example, communication, numerical, problem solving, practical ability). The subject's reliance on logical thought and analytical skills make it a good choice for those who are looking to develop these skills. The course also provides a scientific understanding of the physical world.

Suggested enrichment material:

We recommend a fantastic website called Isaac Physics. This is full of activities to support and develop physics problem solving. You can develop your skills, improve your understanding, and challenge yourself: <https://isaac-physics.org>



Click [here](#) to view the full Physics Enrichment Dashboard



Suggested reading material:

Reading around your A-Level subjects is essential for developing an interest in the subject and a deeper understanding. Some suggestions for Physics:

- A Short History of Nearly Everything, Bill Bryson
- Big Bang, Simon Singh
- In Search of Schrödinger's Cat, John Gribbin

- The Elegant Universe, Brian Greene
- Why does  $E=mc^2$ ?, Brian Cox and Jeff Forshaw
- A Brief History of Time, Stephen Hawking
- QED, Richard Feynman
- Six Easy Pieces, Richard Feynman
- We have no Idea, Jorge Cham and Daniel Whiteson



Suggested introductory tasks:

Students MUST bring a ring binder to your first Physics lesson for your Practical Portfolio.

You can get a head start by buying this book. Have a go at some of the exercises. The Kindle edition is free at the moment: [https://www.amazon.co.uk/Head-Start-level-Physics-Level/dp/1782942815/ref=sr\\_1\\_1?crd=2FSMPHNI8NFC8&dchild=1&keywords=head+start+to+a+level+physics&qid=1588242724&s=books&prefix=head+start+to+a+level+physics%2Cstripbooks%2C189&sr=1-1](https://www.amazon.co.uk/Head-Start-level-Physics-Level/dp/1782942815/ref=sr_1_1?crd=2FSMPHNI8NFC8&dchild=1&keywords=head+start+to+a+level+physics&qid=1588242724&s=books&prefix=head+start+to+a+level+physics%2Cstripbooks%2C189&sr=1-1)

## Psychology

A good psychologist is an inquisitive and naturally critical person who does not accept all of the facts or information they are given. A good psychology student is also someone who enjoys science and learning about anatomy.

The suggested Psychology activities are designed to get you into the mind-set of a psychologist and develop a deeper understanding of the work of psychologists, as well as the A-Level course before you start. The summaries/reviews will be particularly useful when it comes to applying for university to evidence your passion for the subject through wider reading/viewing.



Suggested introductory tasks and Psychology enrichment material can be found using the following links:

- All in the mind – listen to the Radio 4 shows about a whole range of contemporary psychological topics and issues such as empathic cars, anxiety, and dementia: <http://www.bbc.co.uk/radio4/science/allinthemind/shtml>
- Human body and mind – explore more about topics such as the brain, emotions, intelligence and personality, and take part in surveys to test your mind in these areas: <http://www.bbc.co.uk/science/humanbody/mind/index.shtml>
- Discover Psychology – take part in activities to delve deeper into areas of psychology such as motivation and emotion, judgement and decision-making and cognitive neuroscience: <http://www.learner.org/discoveringpsychologyindex.html>
- TED talks – many famous psychologists, such as Zimbardo and Loftus, give TED talks about their research. Discover more: <http://www.ted.com/talks> or via their [Youtube](#) channel

Exam Board: AQA 7182

To view the Psychology A-Level specification visit the AQA website using the following link: <https://www.aqa.org.uk/subjects/psychology/as-and-a-level/psychology-7181-7182>



Suggested reading material:

- One Flew Over the Cuckoo's Nest, Ken Kesey
- The Curious Incident of the Dog in the Night-time, Mark Haddon
- A Boy Called It, David Peltzer (there are three in this series, this is the first)
- Tricks of the Mind, Derren Brown
- Damaged, Cathy Glass

These are just some of the titles we suggest. Click [here](#) to view the Psychology A-Level Handbook which has a full reading listing.



Click [here](#) to view the Psychology Enrichment Dashboard

## Religious Studies

Exam Board: OCR H573

The general aims of this course are to develop an enthusiasm for a rigorous study of religion, religious philosophy and moral philosophy as a believer or non-believer, while treating the subject as an academic discipline.



The RS specification covers a number of elements and we have suggested introductory tasks for each:

### Ethics

To prepare, you could watch this series of lectures by Michael Sandel. He presents different ethical dilemmas and asks how philosophers would deal with the cases: <http://justiceharvard.org/lecture-2-the-case-for-cannibalism/>

### Watch :

- Lecture 1- The moral side of murder
- Lecture 4 How to measure pleasure
- Lecture 11 – Mind your motive
- Lecture 12- The supreme principle of Morality

### Tasks:

1. Make some notes on the dilemma presented or film clips etc.
2. Make notes on the philosophers and their ideas
3. Make notes on their responses to the dilemmas.
4. Look at the Socratic method. How does Sandel use it? <https://mygestalttherapy.com/what-is-the-socratic-method-how-to-persuade-anyone/>

Watch the following video on Peter Singer- a modern day Utilitarian and make some notes You don't have to watch all of it, the first 20 minutes will be invaluable: [https://www.youtube.com/watch?v=tSEfiPm\\_YRE](https://www.youtube.com/watch?v=tSEfiPm_YRE)

To view the Religious Studies A-Level specification visit the OCR website using the following link: <https://www.ocr.org.uk/Images/242913-specification-accredited-a-level-gce-religious-studies-h573.pdf>

### Philosophy

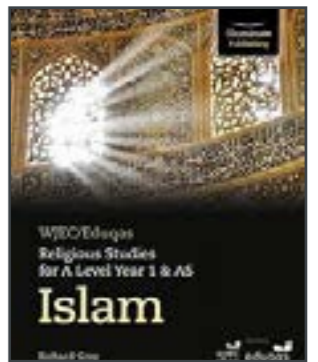
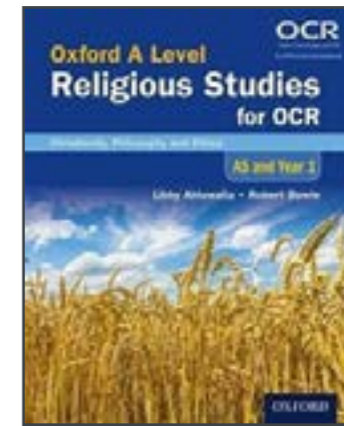
There are three suggested introductory tasks for Philosophy. Click [here](#) for the full Religious Studies task details in the Religious Studies Enrichment Dashboard

The [Religious Studies A-Level Enrichment Dashboard](#) also contains suggested introductory tasks for: Problems of Evil and Islam and has a background on Muhammad

Suggested reading material:



- Religious Studies for OCR-AS and Year 1, Libby Ahluwalia and Robert Bowie
- Islam WJEC/EDUQAS Religious studies for A-Level year 1 and AS, Richard Gray.





EPQ

## Extended Project

The Extended Project Qualification (EPQ) is a core part of the Colyton Grammar School Sixth Form curriculum.

Many universities include it in their offers whilst others will often take it into account on results day, if you have just missed out on your UCAS offer grades. The latter is particularly important as in the past students have secured places on the most competitive courses, including Oxbridge, in-part because of their EPQ grade.

**To achieve success in the EPQ, it is important that you do not simply jump in and start detailed research into the first topic that you think of. First, you need to get to grips with what the EPQ involves. To begin with, much of the assessment evidence that will be marked is to be found in your EPQ Learner Record. There are two versions of this document, depending on whether you think you want to complete a written project (i.e. a 5,000 word dissertation) or a non-written project (i.e. an artefact with a 1,500 report).**



Suggested introductory tasks:

Task 1 - Download the WJEC Extended Project Learner Record that you think you want to use, either a written project (i.e. a dissertation) or a non-written project (i.e. an artefact). These can be found on the same WJEC web page as the Specification.

Task 2 - Enrol on the Future Learn Southampton University Introduction to the Extended Project free on-line course which can be found [here](#). Work through the course at your own pace BUT make sure that you start to record what you have learnt in the WJEC Extended Project Learner Record that you have downloaded and saved. The section to use is called EPF2c.



The EPQ is an A Level standard qualification



The EPQ is focused on research, skills development and independent learning



It is timetabled for three periods a fortnight in Year 12



You decide on the topic and format e.g. a dissertation or artefact



The final internal submission deadline is early March 2022

To view the EPQ Level 3 specification visit the WJEC website using the following link: [https://www.wjec.co.uk/en/qualifications/project-extended-level-3/?sub\\_nav\\_level=course-materials#tab\\_resources](https://www.wjec.co.uk/en/qualifications/project-extended-level-3/?sub_nav_level=course-materials#tab_resources)

The top six points for making a good start with the Extended Project:

1. Record what you've learnt from the on-line Southampton University course IN DETAIL in EPF2c. Skills development is worth 20% of the marks so you need to provide plenty of evidence.
2. Take time researching and exploring possible EPQ topics. Far better that you take time and get it right, rather than suddenly realise you've picked the wrong topic and have to start all over again.
3. Relate your EP to your possible future university course. If you don't know what you might want to do in the future, use your EPQ as a way of helping you to decide
4. Complete EPF1 Section 2 in detail, exploring the positives and challenges of each topic. It is also good to refer to specific sources you have read or watched as part of this research
5. Check through your entries to pick up on spelling errors and typos!
6. If you're not sure about anything to do with the EPQ, email the [school](#) for advice

Task 3 - You are now ready to start exploring your possible EPQ topics. I suggest you look into four or five possible topics that might interest you. Most importantly, I strongly advise you to only focus on topics that relate to your possible future university course i.e. if you think you might want to apply for an Economics course, then your EPQ should have an economics focus. However, one important point to remember is that you are not allowed to do your EPQ on a topic that is a major part of your A-Level Specification i.e. if you have to complete a coursework assignment on a topic, or the topic is part of the final exam, you cannot do this topic for your EPQ. This is called Dual Accreditation and is not allowed. It is vital

that you do explore a number of alternative topics before making your decision. Why? Because it forms part of the mark scheme (AO1 LO1 – 10 marks). As you start to explore the different topics, again log your thinking in your Learner Record, this time in EPF1 Sections 1 and 2.

Click [here](#) for the full task details in the EPQ Enrichment Dashboard

## Library

The school library offers a quiet and supportive study space to sixth form students, advice and guidance on research skills, bibliographic referencing, and Information Literacy. Alongside a collection of fiction and non fiction books, the library houses careers information and subscribes to a selection of journals, databases, and newspapers.

Whilst you will be provided with the core texts required for your studies, you may wish to consider additional resources and the concept of wider reading. We encourage you to move away from generic sites such as Wikipedia and suggest broadening your research to include the use of search engines such as Google Scholar.



Suggested introductory task:

In preparation for A-Levels you can begin to familiarise yourself with subject-specific journals and news articles. These will keep you up to date with developments in your field of interest, spark ideas for EPQ topics and Higher Education choices, as well as providing good examples of a higher level of academic writing style. Observe how journal articles are constructed, use citation, and reference additional research articles.



Suggested enrichment material:

Familiarise yourself with bibliographic referencing styles and tips to avoid plagiarism: <https://colytongrammar.oliverasp.co.uk/library/learnpath/guide/PlagiarismAndReferencing>



Suggested reading material:

For further reading in all academic subject areas explore:

The Directory of Open Access Journals: <http://doaj.org>

Project MUSE: <http://muse.jhu.edu/>

The Directory of Open Access Books: <https://www.doa-books.org/>

For reading for pleasure, which remains important to everyone for their enjoyment and wellbeing, take a look at Project Gutenberg which freely offers a variety of download options.

“

In classrooms, there is a palpable atmosphere of mutual respect and admiration.

Outcomes at this school are outstanding.

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