

Alderbrook School

Year 11 → Year 12 Transition



Find the subjects for which you want to find out more.

It could be for further study or just for interest.

The Alderbrook Transition booklets will be given out after the 24th June.

Top tips on how students can succeed in the Sixth Form from a Head of Sixth Form

<https://www.independentschoolparent.com/school/sixth-form/sixth-form-tips/>

Subject specific links follow. Theses three links are just for interest:

There are so many really interesting people and things out there.

Here's just a few that may capture your imagination...



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



GRESHAM
COLLEGE

WATCH PAST LECTURES

SELECT SUBJECT



ART AND
LITERATURE



BUSINESS



HISTORY



LAW



MATHEMATICS



MEDICAL
SCIENCE



MUSIC



POLITICS



RELIGION



SCIENCE

<https://www.gresham.ac.uk/watch/>



<https://thecrashcourse.com/>

Free high quality educational fast-paced courses – with videos only 10 mins long.
Ranging from the Humanities to the Sciences.

Art



Something to think about...

What is the importance of art in society today?



Something to listen to...

Art Matters podcasts (www.artuk.org) created by Ferren Gibson exploring the interesting ways art meets popular culture and non-traditional art topics. Recent podcasts include: Art and Tattoos. Art References in Recent Hip Hop, Hair Trends Throughout Art History.



Something to read about...

Tate Galleries: Tate Modern, Tate Britain, Tate Liverpool, Tate St.Ives (www.tate.org.uk). The Yorkshire Sculpture Park (www.ysp.org.uk) and the Royal Academy of Arts (www.royalacademy.org.uk).



Biology



Something to think about...

What does it mean to be alive? Should we take more action to protect the Biodiversity on our planet? How far should Biologists go in the manipulation of an organisms genome?



Something to listen to...

[The Natural Selection](#) podcast
[Infinite Monkey Cage](#) podcast
[Horizon documentaries](#) available on the BBC iPlayer



Something to read about...

Oxford University Press [transition pack](#)
[@AngePeahen booklet](#)
[PiXL booklet](#)
[Recommended CGP guide](#)
Shelley Parry's [enrichment](#) from Y11 to Y12.



Business



Something to think about...

Do businesses have a moral obligation to a wider group of people than just their shareholders/owners?
To what extent does globalisation take wealth from the middle class of the western countries and transfer it to the middle classes of newly industrialising countries?



Something to listen to...

[Making fashion sustainable](#)

[Is the UK up for sale?](#)

[Could Carbon offsetting save the world's forests?](#)

And of course DRAGON'S DEN and THE APPRENTICE (although both are more a TV show than a business really!).



Something to read about...

www.bbc.co.uk/news/business constantly updates.

Pick any stories that interest you, just read and do it often.
'The Undercover Economist' by Tim Harford is an easy read.
The book (or audiobook) is broken into chapters and you don't need to read the lot in one go.



Chemistry



Something to think about...

Will humans ever be able to synthesise chemicals in the same way nature can? How should Chemistry shape the sustainable development of our planet? Will we ever design the perfect drug? How would life be different without Chemistry?



Something to listen to...

[Royal Society for Chemistry Podcast](#)
[Periodic table podcast](#)
[Entropy \(Order and Disorder\) Energy](#)
[Secrets of the Super Elements](#)



Something to read about...

Royal Society for Chemistry [website](#)
New Scientist [magazine](#)
[SENECA Learning](#) – enrol on the OCR A-level Chemistry course
[A-level Chemistry Revision site](#)



Computing



Something to think about...

Is it possible to create a program that can look at the code of any other program and decide if that other program will ever stop running?



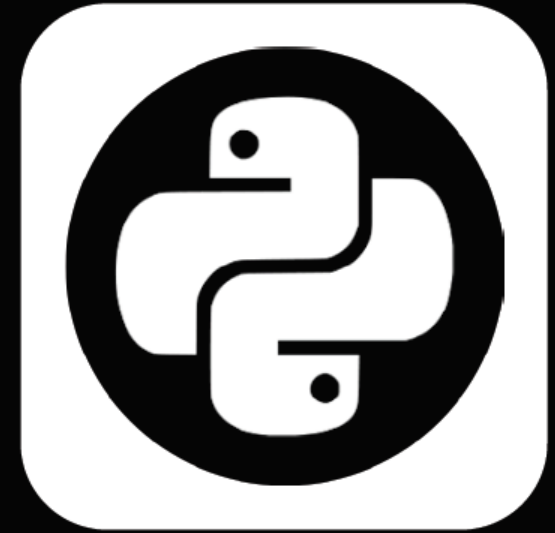
Something to listen to...

The 'Infinite Monkey Cage' has lots of fascinating insights on Tech topics from AI to big data. Available on iTunes.



Something to read about...

'Brown Dogs & Barbers: What's Computer Science All About?' A great introduction to lots of Computer Science concepts or try YouTube Computer Science crash course.



Criminology



Something to think about...

What different types of crime take place in our society? What kinds of crime exist about which we know very little, or which are simply not reported to the police? How do we explain why people commit crime? What makes someone a serial killer?



Something to listen to...

BBC Sounds have several podcasts that explore real-life crimes. This can be found on their crime page ([click here](#)).



Something to read about...

Whether it's learning more about how criminal evidence is collected or finding out how the legal system uses the information, this is a great place to start exploring forensics and how crimes are solved: www.exploreforensics.co.uk.



Drama



Something to think about...

Why are some people confident and others not? Why has performance been one of the most popular forms of entertainment since records began? Why do we still congregate in theatres like the Ancient Greeks did? Where did all good performers start their training?



Something to listen to...

[Frantic Assembly's](#) digital library: arguably the best theatre company in the world! Watch Shakespeare's chilling Scottish tragedy [Macbeth](#) realized by Emmy-winning magician Teller (of Penn & Teller): a startling, supernatural show brimming with magic, mayhem, and madness.



Something to read about...

Any play ever written! The more knowledge the better. Try to vary the styles/genres and playwrights that you explore. Some favourites are [Simon Stephens](#), [Mark Ravenhill](#), and [Shelagh Stephenson](#) (please be warned there is some very mature content in some of these plays). Oh, and of course Shakespeare!



English Literature



Something to think about...

Why do different writers use different forms, such as poetry, novels and drama? How might our reaction to a text differ from that of the audience at the time when it was written? (context of production vs reception).



Something to listen to...

The BBC's 'The Verb' is a podcast hosted by poet Ian McMillan, with guests including poets, authors, dramatists, comedians, journalists and artists. Secondly, Radio 4 have 'In Our Time' with the famous (Cumbrian!) Melvyn Bragg where he covers many topics with a group of expert guests each week.



Something to read about...

'Poems of the Decade: An Anthology of the Forward Books of Poetry' is full of contemporary poets. It's an exam text for a lot of sixth forms. For a full recommended reading list, please contact the sixth form you hope to attend next year.

[A-level Chemistry Revision site](#)



French



Something to think about...

How does language reflect our identity? How and why do languages evolve? What do we lose when a language dies out?



Something to listen to...

Follow the latest in the Francophone world on www.tv5monde.com and www.france24.com.



Something to read about...

You will find some great articles for young adults in the magazine Phosphore. You can follow on Instagram [#magphosphore](https://www.instagram.com/magphosphore) or on Twitter [@phosphoremag](https://twitter.com/phosphoremag). Le Point also has some great content to develop to develop your vocabulary and knowledge of Francophone issues. You can also find those on social media: [/lepointfr](https://www.facebook.com/lepointfr) and [@lepoint](https://twitter.com/lepoint).



Geography



Something to think about...

What will our future world look like? Is sustainable development achievable? How can we manage the risk and impacts of future global pandemics?



Something to listen to...

Royal Geographical Society: [Ask the Experts](#) podcast.
[The Ignorance Project](#) TED talk.
[Climate Change](#) TED talks.



Something to read about...

Published in the UK since 1935, '[Geographical](#)' is the official magazine of the Royal Geographical Society.
Wider reading in Geography ([click here](#)).



Health & Social Care



Something to think about...

Is it ever acceptable to discuss a patient's medical history in a situation that didn't fully protect their privacy? Should it be legal for people to buy organs for transplant, if they would not be able to receive an organ by waiting their turn through the NHS?



Something to listen to...

The [National Elf Service](#) and [The Kings Fund](#) podcasts
In [Sickness and in Social Care](#) podcast
Youtube: [Department of Health and Social Care](#)
[World Health Organisation](#)
[Public Health England](#)



Something to read about...

The [Health Foundation](#) blog
[The Care Quality Commission](#)
[Department of Health and Social Care](#)
[Health & Care Professionals](#)
BTEC National Health and Social Care Student Book 1 and 2



History



Something to think about...

Is knowledge of the past ever certain? Why do accounts of the same historical event differ? What determines how historians select evidence and interpret events? What problems are posed for the study of history by changes in language and culture over time?



Something to listen to...

If 'Ye Newe Dallam History Podcast' is not your thing, 'You're Dead To Me' is the history podcast for people who don't like history... and those who do. Greg Jenner brings together the best names in comedy and history to learn and laugh about the past on BBC Sounds.



Something to read about...

A great starting point is History Today's website. There are great articles on EVERYTHING historical. Also check out www.historyextra.com for lots of interesting articles.



Mathematics



Something to think about...

Does mathematics need language to be understood? Is mathematics in fact its own language? Did the human race invent mathematics or was it present in nature waiting to be discovered?



Something to listen to...

'The Secrets of Mathematics' is a series of podcasts from Oxford lecturers exploring the applications of mathematics, from medicine to economics and beyond. Available on iTunes.



Something to read about...

Simon Singh is an author, journalist and TV producer, specializing in Science and Mathematics. Visit his website www.simonsingh.net and read his blog covering everything from The Simpsons to moonwalking with Einstein.



Media Studies



Something to think about..

What do we class as media? Why is it important to understand the role of the media on modern day society? How can media be used to change the thoughts and opinions of those around us?



Something to listen to...

BBC iPlayer has two excellent set of resources which explore different genres. The first [is Inside Cinema: For Movie Fans](#): 35 short episodes, each focusing on a different code or convention. The second is [Mark Kermode's Secret of Cinema](#): a series of 5 episodes, each focusing on a different genre.



Something to read about...

Read the news: what is going on in the world around us and how is the information being portrayed to the public? The Guardian media news page and blog are a great resource. You can also look at more subject specific content at the [MediaKnowAll](#) blog. Start with the GCSE pages and then work through to the AS pages.



Music



Something to think about...

Do you need to be a musician to study music? In modern society does learning an instrument traditionally have a place?



Something to listen to...

'Classic FM Hall of Fame Short Stories' is a series of podcasts which delves into the characters and stories behind the famous title which makes up the top 300 pieces in the annual hall of fame listings.



Something to read about...

A good starting point for all things music theory based is www.musictheory.net. Have a look at the following lessons: The Basics, Rhythm and Meter, Scales and Key Signatures, Intervals, the first two lessons from Chords, Diatonic Chords and the first from Chord Progressions would be a bonus!



Physical Education



Something to think about...

Technology in Sport; cheating or evolution? Should a performer use dynamic or static stretching before competition? Should global events such as the Olympics include all countries regardless of political issues?



Something to listen to...

Podcasts discussing topical sports talking points. 'Sportsworld' and 'Flintoff, Savage and the Ping Pong Guy', both available on BBC Sounds.



Something to read about...

[Yougov](#) is a Sports Research company with lots of interesting and thought-provoking articles. Also check out [UK Sport](#) for everything Team GB. Good books: 'How Bad Do You Want It?: Mastering the Psychology of Mind Over Muscle' by Matt Fitzgerald and 'Bounce: the Science of Success' by Matthew Syed.



Physics



Something to think about...

Is our universe infinite? If it is already infinite, how can it be getting any bigger? And is there really only one?



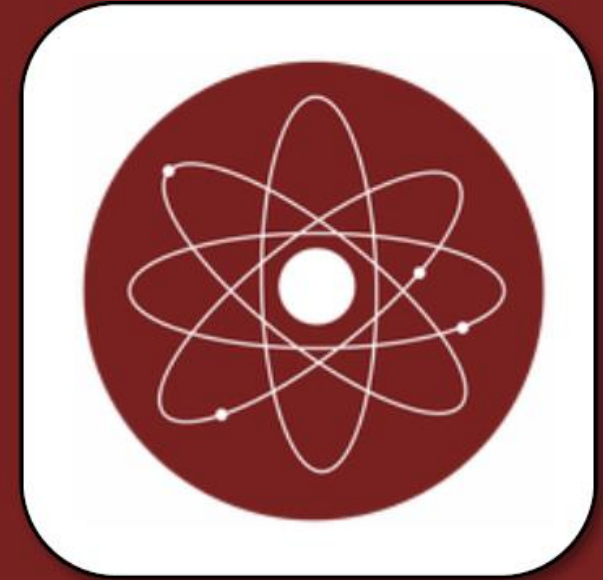
Something to listen to...

['The Infinite Monkey Cage'](#) is a light-hearted podcast available on BBC Sounds covering all things Physics. ['Sixty Symbols'](#) is a great series of (60!) videos on the symbols of Physics and Astronomy.



Something to read about...

A great starting point is the [Physics Review magazine](#). Lots of articles on the application of Physics from [Mapping Earth's Gravity](#) to the [Physics of Measurements](#) and building film props. If you want to try out some of the challenges real physicists tackle using the physics you'll learn in Y12 and Y13, look at the [NASA pi day challenges](#).



Product Design



Something to think about...

As product designers, we play an important role in shaping our future. The products we create have the power to transform how societies think, feel and behave. We must be conscious of the social and ethical responsibility that we have; we can proactively drive positive change within our communities.



Something to listen to...

Could things be better? How? In this funny, breezy Tedtalk, '[Secret of Design](#)', the man behind the iPod shares some of his tips for noticing and driving change. Also, Philippe Starck in '[Design and Destiny](#)' reaches for the very roots of the question "Why design?"



Something to read about...

We rarely think about the design of the objects we use everyday. The fact is you're not supposed to: these everyday objects have been meticulously designed to work so well that you never have to notice them – that's what good design is all about. Take a look at '[The 50 Most Iconic Designs of Everyday Objects](#)'.



Psychology



Something to think about...

Is free will a myth? Would you be a good eyewitness to a crime?



Something to listen to...

['PsychCrunch'](#) The British Psychological Society research digest podcast.



Something to read about...

[Simply Psychology](#), [Research digest](#) and Psychology Review magazines available via Hodder Education.



Spanish



Something to think about...

Why are traditions and festivals important to maintain a strong Hispanic culture? What are the differences between life in Spain and in Latin America?



Something to listen to...

'Listen to a Spanish radio station Cadena Dial (<https://play.cadenadial.com>). This station plays only Spanish music with plenty of current pop songs.



Something to read about...

To get up to date Spanish news and current affairs, take a look at the daily Spanish newspaper www.elpais.com online. Scan the headlines and pick out ONE article that grabs your attention. Or try looking at the www.bbc.com/mundo for BBC reporting in Spanish and click on videos for clips and reports in Spanish.



Travel and Tourism



Something to think about...

Why is tourism important for the UK? More Americans visit the UK than any other nationality. Why do you think this is?



Something to listen to...

Listen to this YouTube [clip](#) explaining the impact of COVID-19 on global tourism.



Something to read about...

A good place to read about tourism in the UK is the VisitBritain website. There are statistics, fact and figures to help give you interesting background information to the industry. Have a look at the following:
www.visitbritain.org/britains-competitiveness and read through the articles.

