

# Sixth Form Induction

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**Phase 1 – June 2020**

Something to:  
think about, listen to and read about



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# Art



## Something to think about...

Why do we create art?  
What is the importance of art in society today?  
Who is your favourite artist(s)? Why have you made this choice?  
What is the best exhibition you have been to?



## Something to listen to...

Art Matters podcasts ([www.artuk.org](http://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](http://www.tate.org.uk)), The Yorkshire Sculpture Park ([www.yssp.org.uk](http://www.yssp.org.uk)) and The Royal Academy of Arts ([www.royalacademy.org.uk](http://www.royalacademy.org.uk)). Student Art Guide ([www.studentartguide.com](http://www.studentartguide.com)) Information about drawing, sketchbooks and projects.  
Arts and Culture (<https://artsandculture.google.com>) Explore Art collections from institutions around the world.



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# 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  
@AngiePeahen booklet  
PiXL booklet  
Free CGP e-book  
Shelley Parry's enrichment from Y11 to Y12.



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# BTEC



## Something to think about...

The new and potential law changes for 2020  
How rugby may be adapted post lockdown



## Something to listen to...

Podcasts – The Magic Academy



## Something to read about...

<https://www.rugbycoachweekly.net/>

[www.Ruck.co.uk](http://www.Ruck.co.uk)

Netflix: Building Jerusalem

Beyond the tryline

All or Nothing New Zealand All Blacks series

RFU.com - Rising sons documentary

Youtube: Rugby Pass Official



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# 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 ([click here](#))

Periodic table podcast ([click here](#))

Entropy (Order and Disorder) Energy ([click here](#))

Secrets of the Super Elements ([click here](#))



## Something to read about...

Royal Society of Chemistry [website](#)

New Scientist [magazine](#)

SENECA Learning - [enrol](#) on the OCR A-level Chemistry course

A-level Chemistry Revision [site](#)

Early Topics [website](#)



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# 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.



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# Dance



## Something to think about...

What is dance? How do we define it? It is clearly multifaceted. Dance has been practiced throughout history for artistic, educational, therapeutic, social, political, religious and other purposes. There are also types of dance on the margins of what many would consider dance, such as digital dance, or types of competition dance that have features that make them similar to aesthetic sports like gymnastics or figure skating. So the question is....what counts as "dance" ?



## Something to listen to...

Find out more about a dance genre, or a dance artist that interests you by looking at the [Apple dance podcasts](#).

OR maybe listen to ideas on 'why we dance' or 'can Hip Hop save Ballet?' explore the Dance Passion podcasts from the [BBC](#)



## Something to read about...

Something to read about...Visit the ONEDANCE UK website and find articles that interest you. You could read more about a dancer's health and wellbeing, dance psychology, injury prevention, dance science and much more!!



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# Drama



## Something to think about...

*Great art and culture inspires us, brings us together and teaches us about ourselves and the world around us. In short, it makes life better.*

Why do you think theatre has been one of the most popular forms of entertainment since records began? Why do we still congregate in theatres now like the Ancient Greeks did (even though we have film and TV)? Why is studying Drama useful even if you don't plan to be an actor? What routes are there into acting?



## Something to listen to...

You have access to Digital Theatre plus [digitaltheatre@nsb.northants.sch.uk](mailto:digitaltheatre@nsb.northants.sch.uk) password nsb123 – watch Frantic Assembly (brilliant physical theatre company) – Lovesong or Things I Know To Be True. Also Jonathan Harvey's Beautiful Thing and, if you like musicals, there is Funny Girl, Into the Woods or Pieces of String.



## 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 of mine are [Simon Stephens](#), [Caryl Churchill](#), [Mark Ravenhill](#), and [Philip Ridley](#) (please be warned there is some very mature content in some of these plays) You can also read some Shakespeare – scripts online!



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# English Language



## Something to think about...

A valuable starting point to this course is to consider the history of the English Language. Do you know how we moved through the stages of Old English, Middle English and Early-Modern English, finally reaching Modern English? If not, start by researching the history of our language. You could even read 'The English Language: A Guided Tour of the Language' by David Crystal.



## Something to listen to...

We recommend Stephen Fry's 'Fry's English Delight' on BBC Radio 4. There are some fantastic podcasts which focus on English Language. You could listen to:

The Allusionist – a podcast on the history and story of particular words

The Vocal Fries – a podcast about language and gender

6 Minute Grammar – a podcast about grammar e.g. tenses



## Something to read about...

We have a department Twitter account where we post interesting articles almost every day. You can find us on Twitter by searching for @NSBEnglish. As part of the coursework unit, we will be studying a lot of Gothic texts. We recommend reading a Gothic novel (e.g. Dracula, Frankenstein or Jekyll and Hyde) before joining us in Year 12.



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# English Literature



## Something to think about...

What do you think literature offers people in a time of crisis? Why do you think Albert Camus' 1947 novel 'The Plague' is now a best seller? How does our current context affect our interpretations of texts? Why have so many people turned to poetry as source of comfort and expression recently?



## Something to listen to...

Poems which have helped BBC correspondents through times of crisis: [Here](#)

Poet Laureate Simon Armitage on Desert Island Discs: [Here](#)

Armitage also has a podcast: [Here](#)

Improve your understanding of significant literary contexts by listening to 'In Our Time' on Radio

You could start with **The Romantics** but other episodes on The Metaphysical Poets, The Victorians and Modernism are also well worth a listen.



## Something to read about...

NSB has a subscription to emagazine, a quarterly publication for A Level literature students.

You can read the magazine online:

1. Go to <https://www.englishandmedia.co.uk/e-magazine/emag-login>
2. Username: NSB1920
3. Password: English

You can also search the archive for articles on writers, novels, plays or poems you are interested in. Enjoy!



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# 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](http://www.tv5monde.com)

and <https://www.1jour1actu.com/infos-animees/>



## Something to read about...

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



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# 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 ([here](#))  
The Ignorance Project TED talk ([here](#))  
Climate change TED talks ([here](#))  
Plate Tectonic and Earthquake prediction ([here](#))



## Something to read about...

Published in the UK since 1935, [Geographical](#) is the official magazine of the Royal Geographical Society.  
Wider Reading in Geography ([here](#))  
Geographical Magazine Article - Covid 19 and the Environment. ([Here](#))

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# 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 articles on EVERYTHING historical. Also, check out [www.historyextra.com](http://www.historyextra.com) for lots of interesting articles.

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# 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? What role does Mathematics play in your world?



## 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.

Who is Carl Friedrich Gauss? ([Here](#))

Make sense of the statistics around us ([Here](#))



## Something to read about...

Simon Singh is an author, journalist and TV producer, specialising in Science and Mathematics. Visit his website

([www.simonsingh.net](http://www.simonsingh.net)) and read his blog covering everything from The Simpsons to moonwalking with Einstein.

Does God Play Dice?: The Mathematics of Chaos by Neil Stewart



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# Music



## Something to think about...

Why has music developed the way it has?

If you were sent to a desert island to study composition, which 3 composers' works would you take with you and why?

Look at the film scores of Danny Elfman – how does his work compare to other composers?



## 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 music theory is [www.musictheory.net](http://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!



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# Photography



## Something to think about...

Should we photograph the things we like or what we think other people will like?



## Something to listen to...

Well, watch ideally....Maisie Cousins culinary tour of West London: <https://vimeo.com/307237257>



## Something to read about...

<https://www.dazeddigital.com/projects/article/29257/1/maisie-cousins>



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# 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? Technology thought [\(Here\)](#)



## Something to listen to...

Podcasts discussing topical sports talking points. 'Sportsworld' and 'Flintoff, Savage and the Ping Pong Guy', both available on BBC Sounds. Netflix- The Last Dance, Game Changers, Losers & Icarus Prime - All or nothing- All Black & The edge



## Something to read about...

[YouGov](#) is a Sports Research company with lots of interesting, 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.



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# 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 ([click here](#)). 'Sixty Symbols' is a great series of (60!) videos on the symbols of physics and astronomy ([click here](#)).



## 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 & Y13, look at the [NASA  \$\pi\$  day challenges](#).



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# Politics



## Something to think about...

In what way is the study of Politics about the study of power? How effective is our electoral system used for General Elections? How powerful is the media in shaping public opinion? How is the President of the USA different to the Prime Minister of the United Kingdom?



## Something to listen to...

Studying Politics requires an up to date knowledge of current events. Radio 4's Any Questions is worth listening to <https://www.bbc.co.uk/programmes/b006qgvj> to help you with this.



## Something to read about...

Politics involves debating key issues and understanding their impact on society. Reading quality newspapers will help you with this. Some such as The Times have an online paywall. Others such as The Guardian are free to access. Both are excellent starting points for understanding the many sides of political debate



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# 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 talk ([Ted talk](#), search for the secret of design), the man behind the iPod and shares some of his tips for noticing and driving change. Also, Philippe Starck (search for Design & 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' ([click here](#))



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# Psychology



## Something to think about...

- 1) Would you be a good eyewitness to a crime?
- 2) We often consider people to behave abnormally, but what exactly makes someone abnormal?



## Something to listen to...

'PsychCrunch' The British Psychological Society research digest podcast ([click here](#))  
Netflix- Three Identical Strangers



## Something to read about...

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



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# RE



## Something to think about...

How has coronavirus affected our businesses? Has our morality been changed?



## Something to listen to...

BBC – In Our Time (EG. Socrates, Plato, Kant)



## Something to read about...

Sophie's World,  
The Pig That Wants To Be Eaten,  
Would You Kill The Fat Man?



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# Sociology



## Something to think about...

Sociology is about the impact of social and structural factors on life chances. How does a person's class affect their life chances? How are men and women treated differently in society? How does ethnicity cause division in society? Do people follow a traditional life course in contemporary society?



## Something to listen to...

Sociology is a multi disciplined area of study. You will study families and households, education, beliefs in society and crime and deviance. Try listening to some relevant podcasts at <http://www.podology.org.uk/>



## Something to read about...

There are many articles to explore and start you on your way at <https://hecticteachersalevelsociologysite.wordpress.com/>. If you are feeling very brave and want to get ahead on sociological theory, then track down a copy of Sociology: Themes and Perspectives (8th Edition) by Haralambos.



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# 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 with Spanish news and current affairs, take a look at the daily Spanish newspaper [www.elpais.com](http://www.elpais.com) online. Scan the headlines and pick out ONE article that grabs your attention. Or try looking at [euronews.com](http://euronews.com)



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# Sixth Form Induction

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**Phase 2– Coming July 2020**

**Induction Home Learning for Each Subject**

**Check the AIM portal in July for updates**



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