



Key Stage 5

The Super Curriculum

The Super Curriculum

Super curricular activities are those that take your regular curriculum *further*. They take the subjects you study in the classroom *beyond* that which your teacher has taught you or what you've done for home learning. For example, you may go into more depth on something you picked up in the classroom, or learn about a new topic altogether.

These activities are normally in the form of extra reading but they can take many other forms, like watching videos online, downloading podcasts, attending lectures, visiting museums or entering academic competitions.

Engaging in super curricular activities will help you develop a love for your favourite subject or subjects. In this booklet, there are a range of activities, suggested by your teachers. They are by no means exhaustive lists but should get you started. I would encourage you to share ideas and opportunities you come across with your teachers so that, over time, the recommended activities in this booklet can grow.

In the future, employers or universities will be interested to hear about what super curricular activities you have engaged in; they will be interested in what you have learnt and impressed by your efforts.

I wish you well in your pursuit of super curricular activities!

Dr Caroline Creaby
Deputy Headteacher: Curriculum

Super Curriculum – Year 12 & 13

Subject: COMPUTER SCIENCE

<p> The Register: The Register (nicknamed El Reg) is a British technology news and opinion website. Keep up to date by subscribing and reading news articles regularly. https://www.theregister.co.uk/</p>	<p> Algorithmic Puzzles by Anany Levitin and Maria Levitin</p> <p>The emphasis lies in training the reader to think algorithmically and develop new puzzle-solving skills.</p>	<p> How Google works by Eric Schmidt and Jonathan Rosenberg How Google Works shines a light on the hiring and operating processes of Google, which have enabled it to come up with great products continuously and stay visionary over the past 17 years.</p>
<p> Algorithms to Live By: The Computer Science of Human Decisions</p> <p>A fascinating exploration of how computer algorithms can be applied to our everyday lives.</p>	<p> Mysteries of the mind can be solved: A brain in a supercomputer Henry Markram https://www.youtube.com/watch?v=LS3wMC2BpxU&index=10&list=PLF7032F8EB1A4F9E2</p>	<p> Big Data: Watch the TedTalk on The year open data went worldwide Tim Berners-Lee https://www.youtube.com/watch?v=3YcZ3Zqk0a8&list=PLF7032F8EB1A4F9E2&index=20</p>
<p> AI at MIT: Take a look at this fascinating series of lectures on Artificial Intelligence by Patrick Winston at MIT. https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-034-artificial-intelligence-fall-2010/lecture-videos/lecture-7-constraints-interpreting-line-drawings/</p>	<p> No Touch Interfaces: Forbes ranks no touch interfaces within the top five trends that will drive the future of technology. What can you find out about no touch interfaces? How may they benefit future technological developments?</p>	<p> P versus NP problem: This is a major unsolved problem in Computer Science. If the solution to a problem is easy to check for correctness, is the problem easy to solve? What do you know about P vs NP? Do you think this problem will ever be solved?</p>
<p> Quantum Computing: Shor's Algorithm focusses on quickly factorising numbers into primes. Write a short essay summarising how the birth of quantum computing allowed for efficient integer factorisation.</p>	<p> Spark: Spark is an ongoing conversation about our rapidly changing world. Along with you, host Nora Young explores how technology, innovation and design affects our lives. http://www.cbc.ca/radio/spark</p>	<p> Programming Throwdown: Programming Throwdown offers a general introduction to a wide range of programming-related topics in an interesting and engaging manner http://www.programmingthrowdown.com/</p>
<p> Advanced JavaScript - Use these Khan Academy to combine JS, and mathematical concepts to simulate nature in your programs https://www.khanacademy.org/computing/computer-programming/programming-natural-simulations</p>	<p> Project Euler - Test your problem solving and computational thinking skills through a series of challenging mathematical/computer programming problems http://projecteuler.net/</p>	<p> The National Museum of Computing - Plan a visit to The National Museum of Computing - Bletchley Park MILTON KEYNES MK3 6EB http://www.tnmoc.org/</p>

	Reading task		Writing task
	Listening task		Watching task
	Research task		Trip or visit
	Creative task		Student-led task

Super Curriculum – Year 12 & 13

Subject: DANCE

 <p>Dance History Research the history of dance in Britain and produce a timeline</p>	 <p>Fifty Contemporary Choreographers. By Martha Bremser & Lorna Sanders.</p>	 <p>The Dancing Times http://www.dancing-times.co.uk/</p>
 <p>Review Write a review about a performance you have been to see at the Sandpit Theatre to go in the Sandprint.</p>	 <p>Create a choreography video Create a video for younger students about the process of choreography and creating a dance</p>	 <p>Audition Audition for a county dance company or Sandringham dance companies.</p>
 <p>Ted talks 'A choreographer's creative process in real time'. https://www.ted.com/talks/wayne_mcgregor_a_choreographer_s_creative_process_in_real_time</p>	 <p>A performance at Sadlers Wells Theatre Sadlers Wells is a theatre in Angel, which hosts a variety of dance works from contemporary to hip-hop companies.</p>	 <p>Rambert Dance Company https://www.youtube.com/user/ramberdancecompany/featured</p>
 <p>Move It Dance Event http://www.moveitdance.co.uk/ Visit the U.K's biggest dance event.</p>	 <p>Rambert Dance Company Visit Britain's oldest dance company</p>	 <p>The Place Take part in a dance class or holiday workshop at The Place www.theplace.org.uk/</p>
 <p>Arts Award Take part in Silver or Gold Arts Award.</p>	 <p>Leadership Lead a club for younger students.</p>	 <p>House Choreography/ House Arts Lead your house in the two dance house events</p>



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 12 & 13

Subject: DRAMA

C1: Devising	C2: Text in Performance	C3: Theatre Makers in Practice
 <p>Read 'Frantic Assembly's Guide to Devising' and analyse and explore the different rehearsal and performance techniques. Can you use these to inspire a workshop?</p>	 <p>Take part in the 'Young Actors Company' in the role of a Director. Assist the teacher in the organisation and running of extra-curricular rehearsals. Attend and support the primary school tour.</p>	 <p>Independently watch a production of your choice. Analyse and identify key strengths and weaknesses and be ready to explain these with justifications as to why you came to these conclusions.</p>
 <p>Use the digital theatre app and watch 'Love Song' and 'Things I know to be true'. Review both performances and draw on them for inspiration.</p>	 <p>Use the website http://www.dialectsarchive.com/ to research an accent. Work to master this accent? Identify a monologue where this accent will be used and then rehearse and perform it to an audience.</p>	 <p>Use YouTube to search for different versions and interpretations of Equus. Watch them and make notes. How do they influence your understanding of how the play can be brought to life.</p>
 <p>Carry out online research to further broaden your understanding of Devising original theatre. http://dramaresource.com/devising-theatre/ Read 'The Director's Craft' by Katie Mitchell.</p>	 <p>Take part in the annual whole school production of Guys and Dolls. This could be in an acting role or offering technical support to the Sandpit Theatre. Attend rehearsals and the show nights.</p>	 <p>Use YouTube to search for different interpretations of 'Lysistrata'. Watch them and make notes. How do they influence your understanding of how the play can be brought to life.</p>
 <p>Research theatre companies 'KneeHigh' and 'Complicite' and use their ideas to inspire and formulate your own. Can you include or adopt any into your final piece?</p>	 <p>Support and direct the annual lower school production. Take responsibility of certain scenes, costume and props. Be available for rehearsals and the performance evenings.</p>	 <p>Read any plays written by Bertolt Brecht. For example: 'The Caucasian Chalk Circle', 'The Threepenny Opera', and 'Mother Courage and her Children.' Consider how Brechtian techniques are weaved into the plot.</p>



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 12
Subject: DESIGN & TECHNOLOGY

 Visit the Jeffrye Museum	 Visit the Design Museum for new ideas and inspiration	 Take a trip to London during the London Design Festival
 Enter the Young Designers of the year competition	 Attend one of the many university degree shows for D&T in London.	 Create a leaflet for Open Evening about your experiences of D&T at Sandringham
 Watch a TED talk on Design & Technology	 Listen to a STEM talk podcast https://www.ihmc.us/stemtalks/	 Start up/support a KS3 D&T Club or activity
 Support a KS3 Technology group during one of your free periods.	 Visit Pinterest and look for a new idea to try and make at home.	 Research and read about Elon Musk's plans for sustainably living and design.
 Design a Display for a design movement or notable designer for B Block.	 Lead a group in a STEM competition.	 Attend the Peterborough STEM festival www.peterboroughstemfestival.co.uk

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|  Reading task

 Listening task

 Research task

 Creative task |  Writing task

 Watching task

 Trip or visit

 Student-led task |
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Super Curriculum – Year 13
Subject: DESIGN & TECHNOLOGY

 Visit the Design Museum for new ideas and inspiration	 Create a leaflet for Open Evening about your experiences of D&T at Sandringham	 Listen to TED talks on Design & Technology
 Attend one of the many degree shows for D&T in London and across the country,	 Give a talk to a KS3 group about your experiences in D&T and why you chose it for GCSE.	 Contact a design studio (local or otherwise) and arrange a visit or see if you can get some work experience.
 Visit the Four Designers Conference in London	 Listen to the Femmes of STEM podcast. https://www.femmesofstem.com/	 Organise a group and take part in the National Science and Engineering Competition. http://www.nsecuk.org/
 Support a KS3 Technology group during one of your free periods.	 Visit Pinterest and look for a new idea to try and make at home.	 Investigate and research Graphene and its applications to new and emerging technologies.
 Run a Seasonal club or activity that provides opportunities for young enterprise as well as design and make opportunities.	 Watch a video about D&T on http://tv.data.org.uk/	 Visit the London Design Fair http://www.londondesignfair.co.uk/

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 Trip or visit

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Super Curriculum – Year 12
Subject: ECONOMICS & BUSINESS

 The Big Short (2015)	 Inside Job (2010)	 The Corporation (2003)
 Freakonomics (2010)	 Inequality for all (2013)	 Enron: The Smartest Guys in the room (2005)
 Brick by Brick: How LEGO Rewrote the Rules of Innovation and Conquered the Global Toy Industry	 Tescopoly: How One Shop came Out on Top and why it Matters	 Bankrupt Britain, Daniel Dorling & Bethan Thomas
 The Great Divide, Joseph Stiglitz	 Mapping Innovation, Greg Satell	 The Economics of Football, Stephen Dobson
 Bank of England, Threadneedle Street	 Museum of Brands and Branding, London	 Museum of London, Docklands



Reading task
Listening task
Research task
Creative task



Writing task
Watching task
Trip or visit
Student-led task

Super Curriculum – Year 13
Subject: ECONOMICS & BUSINESS

		
Masters of Money https://goo.gl/Pv9qBJ	What it takes to be a great leader https://goo.gl/1B1H6P	Too much maths too little history, LSE Lecture https://goo.gl/fPrAox
		
A concise economic history of the world, Cameron Neal.	The Growth Map, Jim O'Neil	The Crunch, Alex Brummer
		
Exploring Corporate Strategy, Johnson, Scholes and Whittington	European Union Economics, Theo Hitris	Principles and Practices of Marketing, David Jobber
		
Keynes, Return of the Master, Robert Skidelsky	Keynes Hayek: The Clash That Defined Modern Economics, Nicholas Wapshott	The Price of Inequality, Joseph Stiglitz
		
Bank of England, Threadneedle Street	Museum of Brands and Branding, London	Museum of London, Docklands

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Super Curriculum – Year 12
Subject: ENGLISH LITERATURE

 Set up a student magazine for the sixth form	 Set up a creative writing rag for the sixth form	 Watch a variety of productions of the set plays, either amateur or professional
 Attend a free talk at The British Library - https://www.bl.uk/events	 Visit Milton's cottage in Chalfont St Giles, Buckinghamshire - http://www.miltonscottage.org/	 Visit the Charles Dickens museum in London - https://dickensmuseum.com/
 Start up a book group	 Read the wider reading list for Love Through the Ages and Text in Modern Times	 Research a writer you particularly like and focus a small research project on them – great for university interviews as well as being really interesting!
 Write an article for E-Mag on one of the texts you have studied this year	 Write your own short story.	 Keep a scrapbook of interesting articles, books you have read
 Deliver an assembly on your favourite piece of literature	  Read or better still watch some of Shakespeare's tragedy plays – speak to your English teacher for guidance	 Read reviews of current releases to stay ahead of what's happening in the world of literature today!

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|  Reading task |  Writing task |
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Super Curriculum – Year 12
Subject: ENGLISH LANGUAGE

 Start up an 'article of the week' page via Google classroom or a similar platform where you share a poem with other A Level students	 Submit a blog to the English Language Google classroom regarding your interpretations of the studied texts or others	 Watch a variety comedy sketches and work out how humour is created – what maxims are broken?
 Attend or listen to lectures – e.g. Gresham College lectures	 Visit Samuel Johnson's House in London - www.drjohnsonshouse.org	 Visit The British Library - https://www.bl.uk/events
 Arrange a visit to a local primary school to research how students learn to read and write	 Read the wider reading list from the school library	 Set up a blog where you write about an issue or subject important to you
 Write an article for E-Mag on either a top you have studied this year as part of your course or one you are interested in outside of the course	 Write your own short story.	 Keep a scrapbook of interesting articles and examples of language use in different contexts
 Deliver a talk to your peers on your area of Language investigation	 Research how language is used to uphold power – visit the Royal Courts of Justice, download political speeches from the Gov.co.uk, etc.	 Listen to Word of Mouth podcasts on BBC Radio 4 iPlayer

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Super Curriculum – Year 13
Subject: ENGLISH LITERATURE

 Start up a 'Poem of the Week' page via Google classroom or a similar platform where you share a poem with other A Level students	 Submit a blog to the English Literature Google classroom regarding your interpretations of the studied texts or others	 Watch a variety of productions of the set plays, either amateur or professional
 Attend or listen to lectures – e.g. Gresham College lectures	 Subscribe to The Times Literary supplement - https://subs.the-tls.co.uk	 Visit your local library and become a member
 Visit The Poetry Library at the Southbank Centre - http://www.poetrylibrary.org.uk/	 Read the wider reading list from the school library	 Research a literary genre, an author or period.
 Write an article for E-Mag on a text you have not studied in class	 Write an article for The Sandprint to raise the profile of English Literature with students lower down the school	 Keep a scrapbook of interesting articles, books you have read
 Deliver a talk/lecture to your peers on your favourite piece of literature or one of the texts you have studied as part of your Literature course.	 Research the link between art and literature – see your English teacher for suggestions	 Listen to BBC Radio 4s book at bedtime to help you relax!

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Super Curriculum – Year 12 & 13

Subject: GEOGRAPHY

Tectonic Processes and Hazards	Coastal Landscapes	Globalisation	Regenerating Places
 <p>'Richter 10' by Arthur C. Clark and Mike McQuay (1996) 'The day the island exploded' by Alexandra Pratt (2009) 'Volcano' by James Hamilton</p>	 <p>'Coast: the journey continues' By Christopher Somerville (2006) 'The Beach book: Science of the shore' by Carl Hobbs (2012) 'Coastal flooding impacts and adaptation measures for Bangladesh' By Saquib Ahmed Khan and Ali Hossain (2012)</p>	 <p>'No logo' By Naomi Klein (1999) 'Fugitive Denim' By Rachel Louise Snyder (2008) 'Globalisation and the environment: Capitalism, Ecology and Power' By Peter Newell (2012)</p>	 <p>'Remaking London: Decline and regeneration in urban culture' By Ben Campkin (2013) 'London' By Edward Rutherford (1997) 'City rebranding: Theory and Cases' By Keith Dinnie (2010)</p>
 <p>Pompeii (2014) San Andreas (2015) The Impossible (2012)</p>	 <p>Global Flooding over the next 100 years by National Geographic Flood (2007) Extreme Engineering: Venice Flood Gates (2004)</p>	 <p>The way home (2002) Capitalism: A love story (2009) Bombay calling (2006)</p>	 <p>The war to live in London: Regeneration Game (2015) My Brooklyn (2015)</p>
 <p>What makes some locations at greater risk from tectonics than others?</p>	 <p>How far does geology and lithology help to create unique coastal landscapes?</p>	 <p>What have been the main drivers and players leading to the expansion of the globalised world?</p>	 <p>How far do the processes of regeneration need to be different in rural compared to urban areas?</p>
 <p>Answer the following: How successful is the management of tectonic hazards and disasters?</p>	 <p>Answer the following question: How far has management of coastal landscapes created unintended consequences?</p>	 <p>Answer the following: Is there evidence to suggest that anti-globalisation movements are threatening globalisation processes?</p>	 <p>Answer the following: Why is regeneration such a contested issue?</p>



Reading task



Listening task



Research task



Creative task



Writing task



Watching task



Trip or visit



Student-led task

Super Curriculum – Year 12 & 13

Subject: GEOGRAPHY

The water cycle and water insecurity	The carbon cycle and energy security	Superpowers	Migration, identity and sovereignty
 <p>'Flood' By Richard Doyle (2002) 'The Grapes of Wrath' By John Steinbeck 'The water wars' By Cameron Stracher (2011)</p>	 <p>'The Quest: Energy, security and the remaking of the Modern World' By Daniel Yergin (2011) 'Powerdown: Options and actions for a post carbon world' By Richard Heinberg (2004) 'Energy security: Economics, politics, strategies and implications' By Carlos Pascual and Jonathan Elkind (2009)</p>	 <p>'Superpower: Three choices for America's role in the world' By Ian Bremmer (2015) 'China Inc.' By Ted C. Fisherman (2006) 'Tinker Tailor Soldier Spy' By John Le Carre 'Prisoners of Geography' Tim Marshall</p>	 <p>'Zebra Crossing' By Meg Vandermerwe (2013) 'Sovereignty: An evolution of an idea' By Robert Jackson (2007) 'The no-nonsense Guide to international migration' By Peter Stalker (2008)</p>
 <p>Flood (2007) More than a river (2005) Blue Gold: World Water Wars (2008)</p>	 <p>Switch (2012) Syriana (2005) There will be blood (2007) Bitter Lake (2015)</p>	 <p>The New Rulers of the World (2001) Superpower (2008) Deutschland 83 (2016)</p>	 <p>Goal! (2005) Terraferma (2011) Winter on fire: Ukraine's fight for freedom (2015)</p>
 <p>Research how and why different people have different attitudes towards water supply.</p>	 <p>How does the carbon cycle operate to maintain planetary health?</p>	 <p>What are the superpowers and how have they changed over time?</p>	 <p>What are the impacts of globalisation on international migration?</p>
 <p>Answer the following question: Was the Thames Barrier worth the cost?</p>	 <p>Answer the following question: What are the consequences for people and what environment of our increasing demand for energy?</p>	 <p>Answer the following question: What are the impacts of superpowers on the global economy, political systems and the physical environment?</p>	 <p>Answer the following question: What are the threats to national sovereignty in a more globalised world?</p>



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum - Year 12

Subject: HISTORY

		
Grand Expectations: The United States, 1945-1974, James Patterson	Restless Giant: The United States from Watergate to Bush vs Gore, James Patterson	The Penguin History of the USA, Hugh Brogan
		
A History of Modern Britain, Andrew Marr	Britain since 1945: The People's Peace, Kenneth Morgan	Hope and Glory Britain: Britain 1900 - 2000, Peter Clarke
		
History of Modern Britain, Andrew Marr	The Making of Margaret Thatcher, Documentary series (Available on youtube)	The Century: America's Time, Documentary series (Available on youtube)
		
Podcast series: Historical Association - Politics, Reform and War https://www.history.org.uk/student/categories/495/module/470/1/podcast-series-politics-reform-and-war	Listen to episodes from Dan Snow's 'History Hit' podcast: there are hundreds! http://www.historyhit.com/podcasts/dan-snows-history-hit/	Houses of Parliament visitors tour and exhibition centre, London
		
Museum of Brands, London (History of Consumer Culture)	People's History Museum, Manchester	British Library Exhibitions



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum - Year 13

Subject: HISTORY

 Parliamentary Reform 1785-1928, Sean Lang	 The March of the Women, Martin Pugh	 State and Society, Martin Pugh
 Better Day Coming, Adam Fairclough	 Race Relations in the USA, Vivienne Sanders	 Bearing the Cross, David Garrow
 What is History?, E.H. Carr	 History Today (Magazine)	 Explore the podcasts on offer at the BBC 'History in Our Time' website
 Peterloo Massacre, Melvyn Bragg's History In Our Time, 15.12.2005 http://www.bbc.co.uk/programmes/p003k9l7	 Podcast series: Historical Association - Politics, Reform and War https://www.history.org.uk/student/categories/495/module/4701/podcast-series-politics-reform-and-war	 The Great Reform Act, Melvyn Bragg's History in Our Time 27.11.2008 http://www.bbc.co.uk/programmes/b00flwh9
 'Vote 100' centenary exhibition, June - September 2018 - a major exhibition in Westminster Hall, House of Commons	 People's History Museum, Manchester	 Suffragette display, Museum of London



Reading task



Listening task



Research task



Creative task



Writing task



Watching task



Trip or visit



Student-led task

Super Curriculum – Year 12 & 13

Subject: MATHEMATICS

<p> Read 17 Equations that changed the World by Ian Stewart</p> <p>Seventeen <i>Equations that Changed the World</i> by Ian Stewart (ISBN: 9781846685316)</p>	<p> Read The Man Who Knew Infinity by Robert Kanigel</p> <p><i>The Man Who Knew Infinity: Life of the Genius Ramanujan</i> New Ed by Robert Kanigel (ISBN: 9780349104522)</p>	<p> The Mathematics of Ciphers by S.C Coutinho</p> <p><i>The Mathematics of Ciphers: Number Theory and RSA Cryptography</i> by S.C. Coutinho (ISBN:9781568810829)</p>
<p> The Mathematics Dictionary</p>	<p> A History of Mathematics by Carl B Bouger</p> <p><i>A History of Mathematics</i>, Third Edition 3rd Revised edition by Carl B. Boyer, Uta C. Merzbach (ISBN: 8601405590862)</p>	<p> Principal Mathematics</p>
<p> Paradoxes in Mathematics by Stanley J Farlow</p> <p><i>Paradoxes in Mathematics</i> (Dover Books on Mathematics) [Stanley J. Farlow] on ... There's more than one way to define a paradox. ISBN-10: 048649716X: ISBN-13: 978-</p>	<p> Read some of The Math Book by Clifford A Pickover</p> <p>The<i>Math Book</i>: From Pythagoras to the 57th Dimension, 250 Milestones in the History of Mathematics(Paperback) ... ISBN: 9781402788291</p>	<p> Things to make and do in the fourth dimension by Matt Parker</p> <p><i>Things to Make and Do in the Fourth Dimension</i> by Matt Parker (ISBN: 9780141975863)</p>
<p> Mathematics by Jan Gullberg</p> <p><i>Mathematics: From the Birth of Numbers</i> by Jan Gullberg, Peter Hilton (ISBN: 9780393040029)</p>	<p> Concepts of Modern Mathematics by Ian Stewart</p> <p><i>Concepts of Modern Mathematics</i> by Ian Stewart (ISBN: 8601400596593)</p>	<p> The map of Mathematics – Domain of Science https://www.youtube.com/watch?v=OmJ-4B-mS-Y</p>
<p> How does maths guide our ships at sea?</p> <p>https://www.youtube.com/watch?v=AGCUm_jWtt4</p>	<p> Watch use of mathematics: Real life applications of Maths</p>	<p> Hidden Figures</p> <p>The story of a team of female African-American mathematicians who served a vital role in NASA during the early years of the U.S. space program</p>

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| <p> Reading task</p> <p> Listening task</p> <p> Research task</p> <p> Creative task</p> | <p> Writing task</p> <p> Watching task</p> <p> Trip or visit</p> <p> Student-led task</p> |
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Super Curriculum – Year 12 & 13

Subject: MATHEMATICS

<p> The Imitation Game</p> <p>http://www.imdb.com/title/tt2084970/</p>	<p> Geoff Riley videos</p> <p>https://www.youtube.com/channel/UCe83jLdZ3PuqVwAHe6B3U2A</p>	<p> Julia Robinson and Hilbert's Tenth Problem</p> <p>A one-hour biographical documentary, <i>Julia Robinson and Hilbert's Tenth Problem</i> tells the story of an important American mathematician against a background of mathematical ideas.</p>
<p> Mathswatch VLE</p> <p>Centre id: sandringham</p> <p>Login, use your network login being careful about case. Include all numbers.</p>	<p> Documentary: Particle Fever</p> <p>Particle Fever follows six brilliant scientists during the launch of the Large Hadron Collider, marking the start-up of the biggest and most expensive experiment in the history of the planet, pushing the edge of human innovation.</p>	<p> Film: The Story of 1</p> <p>The Story of 1 is a BBC documentary about the history of numbers, and in particular, the number 1. It was presented by former Monty Python member Terry Jones. It was released in 2005.</p>
<p> VSauce - Supertasks</p>	<p> Research how Ramanujan got accepted into Cambridge</p>	<p> Research into Daniel Bernoulli and his works</p>
<p> research Ada Lovelace and her works</p>	<p> Research Ramanujan on http://www.famous-mathematicians.com/</p>	<p> Research Alan Turning</p>
<p> Research Carl Friedrich Gauss</p>	<p> Research the creation of Algebra</p>	<p> Research the works of John Forbes Nash Jr</p>

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Super Curriculum – Year 12 & 13

Subject: MATHEMATICS

 visit Bletchley Park and explore the world of coding and maths https://www.bletchleypark.org.uk/visit-us	 Visit Mechanical, Art & Design museum Stratford-upon-Avon themadmuseum.co.uk/	 Outreach at mathematical Institute Oxford
 London Maths Trail created by Chris Olley at Kings College London www.themathszone.com/	 Bank of England Museum www.bankofengland.co.uk › Home › About the Bank	 National Museum of Mathematics in New York if you ever happen to be there....
 Visit a finance company	 Science Museum www.sciencemuseum.org.uk	 Royal Mail distribution centre
 University Lectures eg Oxford	 Welcome Collection	 Find out and attempt Fermat's Last Theorem <u>What is the Last Theorem? - Simon Singh</u>
 Design a mathematically perfect paper aeroplane and describe how it is so	 Bridge crossing question <u>Activity: The Seven Bridges of Königsberg - Math is Fun</u>	 Hodge Theory and Electromagnetism
 Research Dr Igor Kntorovich – Problem solving, proving etc	 Use recipes in maths code to make cakes	 Play Countdown
 Help teach GCSE students	 Proving Pythagoras Theorem www.cut-the-knot.org/pythagoras/	 Research the Golden Gate Bridge and how the curvature of the earth changes its structure

	Reading task		Writing task
	Listening task		Watching task
	Research task		Trip or visit
	Creative task		Student-led task

Super Curriculum – Year 12

Subject: MEDIA STUDIES

 <p>Watch <i>Psycho</i> (1960) – Whilst paying specific attention to Hitchcock's use of cinematography.</p> <p>Write a short reflection which highlights the effective use of sound and camera in aiding storytelling.</p>	 <p>Watch the two versions of the same film. For example, <i>Dracula</i> (1932) and <i>Dracula</i> (1959).</p> <p>Write/present a short reflection on how new technology aided the presentation of the remake.</p>	 <p>Watch the 1st episode of <i>Homeland</i> or <i>iRobot</i>.</p> <p>I would like you to consider how modern society and contextual issues are explored through narrative.</p>
 <p>Go to the library and read a few articles from the Media Magazine we subscribe to.</p> <p>Get your favourite article copied and shared among your peers.</p>	 <p>Technical challenge</p> <ul style="list-style-type: none"> - Using photoshop, create your own newspaper front page. - Select your news story from current affairs - Try to use conventions! 	 <p>Enter a short film competition.</p> <p>For inspiration check out: https://www.empireonline.com/movies/news/done-60-seconds/ Or St. Albans Film Festival</p>
 <p>Subscribe to a Media related Podcast.</p> <p>Enjoy</p> <p>But also consider how the generic conventions of podcasts differ from radio.</p>	 <p>Work to develop younger students understanding of Media Studies.</p> <p>You could create:</p> <ul style="list-style-type: none"> - A blog - A school club - Or other 	 <p>Visit the London BFI Take a look at their website to find out about their unique audience opportunities.</p> <p>http://www.bfi.org.uk/</p>
 <p>Visit the Odyssey Cinema in St. Albans.</p> <p><i>Consider How do alternative venues work to appeal to different cinema goers!</i></p>	 <p>Write an article for the SandPrint. Your article could take a media related theme</p> <p>How about a film review or media related activity?</p>	 <p>Facilitate a collective screening of a film which you find influential.</p> <p>Use this as a platform for further discussion with your peers.</p>
 <p>You have free reign to research an element of new media.</p> <p>How has this media form <i>impacted</i> the wider media landscape?</p>	 <p>Read a media orientated magazine. (e.g. <i>Empire</i>, <i>Total Film</i> etc.)</p> <p>Look out for common conventions across these different publications.</p>	 <p>Watch a foreign language film.</p> <p>How and why do the west utilise this media format within Hollywood?</p>



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit

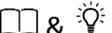


Creative task



Student-led task

Super Curriculum – Year 13
Subject: MEDIA STUDIES

 Watch the film <i>North by Northwest</i> or <i>Vertigo</i> . <i>How has Hitchcock influenced modern cinema?</i>	 Watch <i>Kidulthood</i> and <i>The Breakfast Club</i> . <i>How do the representation of teens change over time? Do these films re-inforce stereotype?</i>	 Watch <i>Blade Runner</i> Why do you think this is often cited as the best Sci-fi? How does it present a Dystopian future.
 Research and find alternative Media Theory. How does your theory differ from what we have covered in class?	 Research a UK based gaming institution. How does the institution differ from a film institution?	 Research the history of radio. With a specific focus upon the UK and BBC radio.
 Go to the library and read a few articles from the Media Magazine we subscribe to. Get your favourite article copied and shared among your peers.	 Can you find tickets to a live television taping? Enjoy the experience and try to identify the directors and producers!	 Visit an IMAX cinema Do you think this format will overtake conventional cinema screenings?
 Visit the Southbank BFI. Try to sign-up to a taster day/experience day. Some of these experiences allow you to meet/question the stars!	 Support younger students and put your skills to the test by running/supporting a KS3 practical media club!	 Watch <i>Leathal Weapon</i> . <i>Could it be argued that this film is a direct influence upon modern action 'buddy cop' genre?</i>
 Watch both the 1990 and 2017 versions of <i>It</i> . <i>How do these films compare and contrast?</i> <i>Can you apply key media theory.</i>	 Read up on Marxism and Media studies!	 Create your own digital creative space to showcase your work. <i>This will support any further educational applications.</i>

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|  Reading task |  Writing task |
|  Listening task |  Watching task |
|  Research task |  Trip or visit |
|  Creative task |  Student-led task |

Super Curriculum – Year 12 & 13

Subject: MFL - French

 Read another book by the author of your set book and write a review	 Go online and read Le Point or Le Monde And note down 20 new items of vocab www.lemonde.fr www.lepoint.fr	 Read the magazines in the library Read reviews of the films you have seen in the TL
 Watch another film by the filmmaker you are studying and write a review. Watch first with English subtitles and then with French Watch a French TV series on Netflix	 Watch one (or more) of these films: <i>Elle s'appelait Sarah</i> <i>La rafle</i> <i>Intouchables</i> <i>A la folie, pas du tout</i> <i>Amélie</i> <i>Un long dimanche de fiançailles</i> <i>L'auberge espagnol</i>	 Watch the daily news online https://www.newsinslowfrench.com/ A great resource for new daily content from RFI (Radio France International) for all who are learning French : http://www.rfi.fr
 Find out about another Francophone countries and make a short PP presentation on one for the class	 Research the background period that your book/film is set in	 Research a famous French author
 Listen to the free content Podcasts at <i>Coffeebreak French</i> https://radiolingua.com/coffeebreakfrench	 Searchable MP3 clips by topic, and level http://www.audiolingua.eu/?lang=en	 Site for song activities in many languages using the text. Make sure you find French songs! http://lyricstraining.com/
 Plan for a trip to a new area of France. Where would you go? What would you visit? How would you begin to plan your visit?	 Research the possibility of working in France https://www.wwoof.fr/ https://www.gooverseas.com/gap-year/au-pair/france https://www.workaway.info/	 Plan a week's holiday in France and work out the budget for transport, accommodation, food and activities.



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 12 & 13

Subject: MFL - SPANISH

<p> Literary text:</p> <p>Read another book by the author of your set book and write a review</p>	<p> News/current affairs:</p> <p>Go online and read El País or El Mundo and note down 20 new items of vocabulary: www.elmundo.es www.elpais.es</p>	<p> From the Library:</p> <p>Go to the Spanish section in the library and look for magazine articles you might be interested in reading</p>
<p> Watch another film by the filmmaker you are studying and write a review.</p> <p>Watch with Spanish subtitles</p> <p>Watch a French TV series on Netflix</p>	<p> Film suggestions:</p> <p><i>Volver</i> <i>Ocho apellidos vascos</i> <i>Abel</i> <i>Las treces rosas</i> <i>María, llena eres de gracia</i></p>	<p> Watch the daily news online:</p> <p>http://www.telecinco.es/informativos/ www.canalsur.es</p>
<p> Research a Spanish-speaking country and write a review on an aspect you find interesting</p>	<p> Find out about the different official languages spoken in Spain</p>	<p> Research a Spanish-speaking author</p>
<p> Spanish Radio on-line:</p> <p>www.rtve.es/rne/envivo.htm www.topradio.es/</p>	<p> Searchable MP3 clips by topic, level and language:</p> <p>https://www.audio-lingua.eu/spip.php?rubrique4</p>	<p> Listen to news and current affairs in Spanish:</p> <p>www.euronews.net www.20minutos.es/</p>
<p> Plan a long weekend in Madrid. What would you visit? How would you look into and book accommodation?</p>	<p> Research the possibility of working in Spain: http://www.studying-in-spain.com/working-in-spain/ https://www.britishcouncil.org/language-assistants/become/spain</p>	<p> Plan a cultural holiday in Andalucía. What would you visit and why? What is the cultural/historical importance of the places you have chosen?</p>



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 12

Subject: MUSIC

 Listen to Radio 3 or Classic FM and	 Use Auralia regularly to help train your listening skills	 Watch a performance of the Rite of Spring.
 Listen to two different Beethoven Symphonies	 Watch an opera screening at the cinema	 Make a playlist of the 10 most important works for your first instrument and listen to as many versions as possible. Can you learn any of them?
 Enter yourself for Grade 5 or 6 theory	 Research an area of interest to submit in the Ignite Journal	 Go to a concert at the Barbican Barbican half Six Fix - https://www.iso.co.uk/whatson/2017-18-season/half-six-fix.html or one of the proms at the RAH
 Apply for a summer school or workshop over the summer. There are lots of online courses on https://www.futurelearn.com/courses/musical-scores	 Audition for a county ensemble	 Perform at St Peter's Recital or set up a lunchtime concert
 Lead a music group or choir and perform in a concert	 Lead an activity during Arts Week	 Arrange parts for a school group to improve your knowledge of orchestration



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 13

Subject: MUSIC

 <p>Use Auralia regularly to help train your listening skills</p>	 <p>Create your own playlists on Spotify for wider listening linked with the set works.</p>	 <p>Watch some of the Proms at the Royal Albert Hall</p>
 <p>Listen to three other versions of your recital pieces and try to see it live</p>	 <p>Enter yourself for Grade 6 or 7 theory</p>	 <p>Read two different books from the University reading list</p>
 <p>Perform at St Peter's Recital or set up a lunchtime concert</p>	 <p>Go to a concert at the Barbican Barbican half Six Fix - https://www.iso.co.uk/whats-on/2017-18-season/half-six-fix.html</p>	 <p>Work with a Junior Scholar to support their music studies</p>
 <p>Apply for a summer school or workshop over the summer. There are lots of online courses on https://www.futurelearn.com/courses/musical-scores</p>	 <p>Research an area of interest to submit in the Ignite Journal</p>	 <p>Learn to play one of your set works with a group of friends</p>
 <p>Create a glossary of musical terms</p>	 <p>Explore the talks on Ted Talks and find one that interests you. Summarise it in one paragraph.</p>	 <p>Audition for a county ensemble</p>



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 13
Subject: MUSIC TECHNOLOGY

 Reading - Sound on Sound trade magazine (monthly)	 Reading - Listen to this: Alex Ross Focus on 1950 onwards	 Listening: Pet Sounds - Beach Boys & Revolver - The Beatles Compare the production between the two albums
 Listening - Dark side of the moon - Pink Floyd How did they achieve some of the evolutionary production on this album?	 Listening - Plat du Jour - Matthew Herbert How has he used sampling to create this album?	 Research - “How has recording technology (tape, digital etc.) developed since 1950?”
 Watch - Sound City (Dave Grohl) Documentary on history of Sound City studios, its unique mixing desk and all of the acts that recorded there.	 Visit - Pink Floyd exhibition at V&A	 Visit – Science museum: find out about the history of recorded sound
 Reading – Good Vibrations: A History of Record Production Mark Cunningham	 Listening – “It takes a nation of millions” – Public Enemy Why is this album important politically?	 Research - “How has sampling affected the development of popular music?”
 Create a piece of music using only ‘found sounds’	 Create an entire album of your own compositions	 What inspires you about music technology? Complete an independent research task into an area of your own interest



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 12
Subject: PHILOSOPHY, RELIGION & ETHICS

<p> Existence of God: Read Chapter 1 of <i>The God Delusion</i> by Richard Dawkins (details available on reading list)</p>	<p> The Person Jesus: Read Chapter 3 of <i>The Puzzle of Christianity</i> by Peter Vardy (details available on reading list)</p>	<p> Christian Moral Principles: Read Chapter 12 of <i>The Puzzle of Christianity</i> by Peter Vardy (details available on reading list)</p>
<p> Soul, Mind and Body: Watch Consciousness & the Brain by John Searle at TEDxCERN https://www.youtube.com/watch?v=j_OPQgPIdKg</p>	<p> Business ethics: Explore the case study of Union Carbide in Bhopal. Watch the full BBC documentary on the events (BBC one night in Bhopal) https://www.youtube.com/watch?v=rJg19W8x_Ls</p>	<p> Religious Experience/Miracles: Watch The Toronto Blessing. What, Where, When, Why, Who and How? https://www.youtube.com/watch?v=LrhGWOBnhfk</p>
<p> Natural law: Online research on peped.com - Summary: The Natural Law (http://www.aquinasonline.com/Topics/natlaw.html) Read and make your own notes on this topic.</p>	<p> Plato: Online research on peped.com - Table: World of Forms (http://peped.org/philosophicalinvestigations/tableworldoftheforms/) Read and make the table into two pictures, one of the empirical world and one of the realm of the forms. Label each appropriately.</p>	<p> Aquinas: Online research - Visit the Stanford Encyclopaedia of Philosophy and read chapter 1 of the section on Aquinas. Make your own notes on this. http://plato.stanford.edu/entries/aquinas-moral-political/</p>
<p> Dualism: Listen to the following podcast on consciousness and mind https://iai.tv/iai-podcast/episodes-1-5 E02 Matter And Mind Markus Gabriel, Ray Brassier, Eva Jablonka</p>	<p> Business Ethics: Listen to the following podcast on Capitalism https://iai.tv/iai-podcast/episodes-6-10 E10 Capitalism And Anarchy Aaron Bastani, Stephen King, Deirdre McCloskey</p>	<p> Natural Law: Listen to the following podcast on morality and science https://iai.tv/iai-podcast/episodes-6-10 E08 Unnatural Laws Nancy Cartwright, John Ellis, Rupert Sheldrake</p>
<p> A Level: Book yourself onto one of Peter Vardy's Candle Conferences https://candleconferences.com/y12-a-level-rs/</p>	<p> Philosophy and Ethics: Look at the upcoming talks at Cambridge University and attend one of interest http://talks.cam.ac.uk/</p>	<p> Developments in Christian Thought: Plan a visit to Canterbury Cathedral, Kent https://www.canterbury-cathedral.org/visit/</p>

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|---|----------------|---|------------------|
|  | Reading task |  | Writing task |
|  | Listening task |  | Watching task |
|  | Research task |  | Trip or visit |
|  | Creative task |  | Student-led task |

Super Curriculum – Year 13
Subject: PHILOSOPHY, RELIGION & ETHICS

<p> Women and the Church: Read Chapter 13 of <i>Bible Matters</i> by Peter and Charlotte Vardy (details available on reading list)</p>	<p> Arguing for God: Read Chapter 5 of <i>God Matters</i> by Peter and Charlotte Vardy (details available on reading list)</p>	<p> Body and Soul: Read Chapter 11 of <i>The Selfish Gene</i> by Richard Dawkins (details available on reading list)</p>
<p> Religious Experience: Watch The Stanford Prison Experiment: https://www.youtube.com/watch?v=760lwYmpXbc What, Where, When, Why, Who and How?</p>	<p> Problem of Evil: Watch this TedEd talk on Why would God allow Tsunamis: https://www.ted.com/talks/tom_honey_on_god_and_the_tsunami</p>	<p> Religious Language: Watch the TedTalk on How Languages Evolve https://www.youtube.com/watch?v=iWDKsHm6gTA</p>
<p> Karl Marx: Online research on Karl Marx http://www.bbc.co.uk/history/historic_figures/marx_karl.shtml Read and make your own notes on this topic.</p>	<p> Conscience: Online research on peped.com - For an introductory lesson, listen to a lecture about Abu Ghraib prison and how good people “turn evil”: http://www.ted.com/talks/lang/eng/philip_zimbardo_on_the_psychology_of_evil.html</p>	<p> Religious Language: Online research - Visit the Stanford Encyclopaedia of Philosophy and read chapter 2 of the section on Philosophy of Religion. Make your own notes on this. https://plato.stanford.edu/entries/philosophy_of_religion/#Morality</p>
<p> Secularism: Listen to the following podcast on science and knowledge https://iai.tv/iai-podcast/episodes-11-15 E15 Everything We Know Is Wrong Lawrence Krauss, Kenneth Cukier, Steve Fuller</p>	<p> Sexual Ethics: Listen to any of the podcast on LGBT https://player.fm/featured/lgbt</p>	<p> Ethical Behaviour: Listen to the following podcast on morality and humour http://traffic.libsyn.com/philosophybites/Noel_Carroll_on_Humour_and_Morality.mp3</p>
<p> A Level: Book yourself onto one of Peter Vardy’s Candle Conferences https://candleconferences.com/y12-a-level-rs/</p>	<p> Philosophy and Ethics: Look at the upcoming talks at Cambridge University and attend one of interest http://talks.cam.ac.uk/</p>	<p> Problem of Evil: Plan a visit to the Imperial War Museum, London. In particular the Holocaust Exhibition</p>

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| <p> Reading task</p> <p> Listening task</p> <p> Research task</p> <p> Creative task</p> | <p> Writing task</p> <p> Watching task</p> <p> Trip or visit</p> <p> Student-led task</p> |
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Super Curriculum – Year 12 & 13

Subject: PHYSICAL EDUCATION

 Read books on sport including: <ul style="list-style-type: none"> • The Sports Gene by David Epstein 2013 • Bounce by Matthew Syed 2011 • The Talent Code by Daniel 	 Read the Journal of Applied Physiology, Sport and Society	 Read the Journal of Sport and Exercise Psychology
 Icarus (2017) Bryan Fogel, Netflix	 BBC One Panorama – Catch me if you can (2015)	 Sports Science (2013) ESPN The Program (2015)
 The MCC and Lords museum	 Wimbledon Lawn Tennis Club Museum or Championship, Hatfield House/ Hampton Court - Real Tennis courts	 University of Hertfordshire Physiology Laboratories
 Represent the school in any sport including House Sports. Challenge yourself to represent the county.	 Perform for a sports club and challenge yourself to attend a new one	 Perform at the Senior Athletics Championships
 Lead an activity in Fit for Life Week.	 Captain a schools sports team	 Lead a session at a club or in school at a KS3 sports training session
 Write an article for the Ignite journal on an area of interest to you	 Write a glossary of anatomy and physiology used in your sport	 Write a coaching plan for any sport
 Create a scrapbook of any sport, sportsperson or sporting event from broadsheet newspapers	 Assess another performance and coach someone how to develop their skill and strategy in performance	



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 12

Subject: PSYCHOLOGY

<p> Bounce by Matthew Syed. The Myth of Talent and the Power of Practice. Recommended by Mr. Stidever.</p>	<p> Flow by Mihaly Csikszentmihalyi. The classic work on how to achieve happiness. Recommended by Mr. Stidever.</p>	<p> Mindset by Dr. Carol Dwek. Changing the way you think to fulfil your potential. Recommended by Mr. Stidever.</p>
<p> Thinking Fast and Slow by Daniel Kahneman. The author states that our minds are composed of two parts-an instinctive and primal section, and a more critical and rational section.</p>	<p> Outliers: The Story of Success by Malcolm Gladwell. How the world's most successful people became successful. Recommended by Mr. Stidever.</p>	<p> Authentic Happiness by Martin Seligman. The author shows us that happiness is more a product of internal conditions than external factors.</p>
<p> The Lucifer Effect: Understanding How Good People Turn Evil. TED talk by Philip Zimbardo. https://www.youtube.com/watch?v=2-Kii-P7vwQ</p>	<p> The Psychology of Tyranny: Did Milgram Get It Wrong? TED talk by Alex Haslam. https://www.youtube.com/watch?v=HxXMKg8-7o0</p>	<p> How reliable is your memory? TED talk by Elizabeth Loftus. https://www.youtube.com/watch?v=PB2Oegl6wvI</p>
<p> Mind Changers. BBC_Radio 4. B.F Skinner and Superstition in the Pigeon. http://www.bbc.co.uk/programmes/b0639gqx</p>	<p> Mind Changers. BBC_Radio 4. Julian Rotter and Locus of Control. http://www.bbc.co.uk/programmes/b01qf5sr</p>	<p> Mind Changers. BBC Radio 4. Case Study: HM-The Man Who Couldn't Remember. http://www.bbc.co.uk/programmes/b00t6zqv</p>
<p> 12 Angry Men Plot: A diverse group of 12 jurors deliberates the fate of an 18-year-old Latino accused of murdering his father. As a lone dissenting juror tries to convince the others that the case is not as open-and-shut as it appears, individual prejudices and preconceptions about the trial emerge. Links to Conformity.</p>	<p> Good Will Hunting. Plot: Will Hunting is a young, headstrong janitor at MIT with exceptional mathematical abilities. Abused as a child, he has numerous run-ins with the law and does not realize his full potential. With the help of a psychology professor, he finally receives the counselling he needs that will enable him to find his identity and change his life. Links to Psychopathology.</p>	<p> Mememto Plot: Leonard Shelby is an ex-insurance investigator who sustains a head injury when trying to prevent his wife's murder and now suffers from amnesia. He learns how to cope with his condition using notes and tattoos as he tries to find the murderer and avenge her death. Links to Memory.</p>



Reading task



Writing task



Listening task



Watching task



Research task



Trip or visit



Creative task



Student-led task

Super Curriculum – Year 13

Subject: PSYCHOLOGY

<p> Blink by Malcolm Gladwell. The power of thinking without thinking. Assessments that we make in the blink of an eye can be as good as those we make after much deliberation.</p>	<p> Phantoms of the brain; probing the mysteries of the human mind by V.S Ramachandran. Unravelling the weirder cases in neurology can provide insights into how we perceive ourselves.</p>	<p> Steven Pinker: How the mind works. Why do memories fade? Why do we lose our tempers? Why do fools fall in love? Why do we pursue higher callings like art, religion and philosophy?</p>
<p> Carl Jung; the Archetypes and the Collective Unconscious. Our minds are connected to a deeper layer of consciousness that speaks in terms of imagery and myth.</p>	<p> Eric Berne: The Games People Play: The Psychology of Human Relationships. People play games as a substitute for real intimacy, and every game, however unpleasant, has a payoff for one or both players.</p>	<p> Victor Frankl: The Will to Meaning. The conscious acceptance of suffering or fate can be transformed into one of our greatest achievements.</p>
<p> Nancy Kanwisher talks about a neural portrait of the human mind. This talk deals with brain localisation. https://www.youtube.com/watch?v=5Yj3nGv0kn8</p>	<p> Documentary. Genius of the modern world. Dr. Sigmund Freud. It's always worth understanding Freud in his historical context. This documentary will allow you to do this. https://www.youtube.com/watch?v=x6MT50lAs7w</p>	<p> RISE documentary. Do you know the meaning of the term 'recidivism'? Watch this documentary to find out. https://www.youtube.com/watch?v=n3id1jxXLgM</p>
<p> Mind Changers: Carl Rogers and the Person Centred Approach. http://www.bbc.co.uk/programmes/b063z7b0</p>	<p> Mind Changers: Abraham Maslow and the Hierarchy of Needs. http://www.bbc.co.uk/programmes/b01rw8mw</p>	<p> Mind Changers: The case of Little Hans. http://www.bbc.co.uk/programmes/b00bg335</p>
<p> One Flew Over the Cuckoo's Nest. Considered to be one of the best films ever to be made and the winner of five Oscars.</p>	<p> Girl Interrupted. 18 year old Susanna is admitted into a mental institution when she is no longer able to cope with reality.</p>	<p> Rain Man. The real life story of a Kim Peek; a savant.</p>

	Reading task		Writing task
	Listening task		Watching task
	Research task		Trip or visit
	Creative task		Student-led task

Super Curriculum - Year 12 & 13
Subject: SCIENCE – BIOLOGY

<p> The immortal life of Henrietta Lacks by Rebecca Skloot. About HeLa cells and the ethics behind it.</p>	<p> 'The ancestors tale' by Richard Dawkins. You don't need to read it cover to cover, just dip into the chapters that interest you.</p>	<p> The Tale of the Dueling Neurosurgeons, by Sam Kean</p>
<p> Secret Universe, The Hidden Life of a Cell https://vimeo.com/144634673</p> 	<p> Growing New Organs http://www.ted.com/talks/anthony_atala_growing_organs_engineering_tissue?language=en</p> 	<p> Crash course videos https://www.youtube.com/playlist?list=PL3EED4C1D684D3ADF</p> 
<p> Get involved with Saturday Studio opportunities at the Wellcome collection. Try out creative activities inspired by Wellcome Collection (14-19)</p>	<p> Create a twitter account, follow 10 relevant Biology organisations e.g. Royal Society of Biology, New Scientist, Nature, BBC Science News ect.</p>	<p> Your own brine shrimp ecosystem http://www.sea-monkeys.com/</p>
<p> Download and listen to podcast 'The Infinite Monkey Cage'</p>	<p> Incredible Medicine: Dr Weston's Casebook. Extraordinary cases that are bringing new discoveries about the human body.</p>  <p>https://goo.gl/V82X5t</p>	<p> Oxford University Museum of Natural History</p>
<p> The Wellcome Collection permanent exhibitions Medicine now and Medicine Man</p>	<p> Kew Gardens London</p>	<p> Science Museum, London</p>

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|  | Reading task |  | Writing task |
|  | Listening task |  | Watching task |
|  | Research task |  | Trip or visit |
|  | Creative task |  | Student-led task |

Super Curriculum - Year 12 & 13

Subject: SCIENCE - CHEMISTRY

<p> Periodic Tales, the Curious Lives of the Elements, Hugh Aldersey Williams</p>	<p> The Science of Everyday Life: Why Teapots Dribble, Toast Burns and Light Bulbs Shine, Marty Jopson</p>	<p> The Disappearing Spoon...and other true tales from the Periodic Table, Sam Kean</p>
<p> Fantastic Four movie and then watch the clip where the science is explained http://nerdist.com/michio-kaku-explains-the-real-science-behind-fantastic-four/</p> 	<p> 10 weird and wonderful chemical reactions https://www.youtube.com/watch?v=0Bt6RPP2ANI</p> 	<p> Crash course videos https://www.youtube.com/playlist?list=PL8dPuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr</p> 
<p> Learn to sing the Elements Song by Tom Lehrer.</p>	<p> Create a twitter account, follow 10 relevant Chemistry organisations e.g Royal Society of Chemistry, New scientist, BBC Science news etc</p>	<p> Make a 'silver' egg http://www.housingaforest.com/silver-egg-experiment/</p>
<p> To 5 podcasts of different elements from the periodic table http://www.rsc.org/periodic-table/podcast</p>	<p> To 1 podcast from the Radiolab http://www.radiolab.org/</p>	<p> To 3 Material World podcasts http://www.bbc.co.uk/programmes</p>
<p> Diamond Synchrotron in Oxford</p>	<p> Grow your own crystal e.g. salt http://www.sciencekids.co.nz/projects/saltcrystals.html</p>	<p> Research an experiment that is safe to do with kitchen chemicals and carry it out.</p>

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|---|----------------|---|------------------|
|  | Reading task |  | Writing task |
|  | Listening task |  | Watching task |
|  | Research task |  | Trip or visit |
|  | Creative task |  | Student-led task |

Super Curriculum - Year 12 & 13

Subject: SCIENCE - PHYSICS

<p> Surely You're Joking Mr Feynman: Adventures of a Curious Character, Ralph Leighton</p>	<p> A Short History of Nearly Everything, Bill Bryson</p>	<p> The Physics of Super Heroes, James Kakalios</p>
<p> Minute Physics https://www.youtube.com/user/minutephysics</p> 	<p> NASA TV (Online coverage of launches, missions and testing's)</p>	<p> Crash course videos https://www.youtube.com/playlist?list=PL8dPuuaLjXtN0ge7yDk_UA0ldZJdhwkoV</p> 
<p> Learn to sing the Elements Song by Tom Lehrer.</p>	<p> Create a twitter account, follow 10 relevant Physic organisations or Physicists</p>	<p> Make your own fruit cell at home https://explorable.com/fruit-battery-experiment</p>
<p> Download and listen to the 'Physics World' podcasts (new podcast released every 48 days)</p>	<p> Join the Institute of Physics as a student member</p>	<p> Attend FREE Physics lectures at the Institute of Physics in London (see their website for regular updates of what's on)</p>
<p> Science Museum in London</p>	<p> The Royal Observatory in Greenwich</p>	<p> The Royal Institution in London</p>

	Reading task		Writing task
	Listening task		Watching task
	Research task		Trip or visit
	Creative task		Student-led task

Super Curriculum – Year 12 & 13

Subject: SOCIOLOGY

Education (Paper 1)	Crime and Deviance (Paper 3)	Theory and Methods (Papers 1, 3)
 <p>TED talk: Kandice Sumner – How America’s public school keep kids in poverty. https://www.ted.com/talks/kandice_sumner_how_america_s_public_schools_keep_kids_in_poverty</p>	 <p>Podcast – Helena Merriman explores the recent wave of shooting unarmed black men in ‘Why do American police kill so many black men?’ http://www.bbc.co.uk/programmes/b006r4vz/episodes/downloads?page=3</p>  <p>TED talk: Bryan Stevenson – We need to talk about injustice. https://www.ted.com/talks/bryan_stevenson_we_need_to_talk_about_an_injustice</p>	 <p>Radio 4 podcast ‘Marxism Today’ http://www.bbc.co.uk/programmes/b07qf9l7</p>
 <p>Look at the website the Gender and Education Association http://www.genderandeducation.com/resources-2/inclusion/promoting-gender-equality-in-schools/</p>	 <p>TED talk: Noy Thrupkaew – Human trafficking is all around you. This is how it works. https://www.ted.com/talks/noy_thrupkaew_human_trafficking_is_all_around_you_this_is_how_it_works</p>	 <p>Karl Marx on Alienation, narrated by Gillian Anderson http://www.bbc.co.uk/programmes/p02h7dlv</p>
 <p>Radio 4 podcast ‘Do schools make a difference?’ http://www.bbc.co.uk/programmes/b01b9hjs</p>  <p>Radio 4 podcast ‘A subversive history of school reform’ http://www.bbc.co.uk/programmes/b07knmpc</p>	 <p>Podcast – ‘What is justice?’ http://www.bbc.co.uk/programmes/b05pmpdy</p>  <p>TED talk: Marlon Peterson - Am I not human? A call for criminal justice reform. https://www.ted.com/talks/marlon_peterson_am_i_not_human_a_call_for_criminal_justice_reform</p>	 <p>Feminine Beauty: a social construct? http://www.bbc.co.uk/programmes/p02b95yv</p>

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|---|----------------|---|------------------|
|  | Reading task |  | Writing task |
|  | Listening task |  | Watching task |
|  | Research task |  | Trip or visit |
|  | Creative task |  | Student-led task |

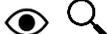
Super Curriculum – Year 12 & 13

Subject: SOCIOLOGY

Beliefs in Society (Paper 2)	Families and Households (Paper 2)
<p> Sociology Review April 2008 – Religion in Segregated Communities by Andrew Holden</p> <p> A podcast of Melvyn Bragg talking to guests about Weber's The Protestant Ethic http://www.bbc.co.uk/programmes/b03yqj31</p> <p> Podcast - Justin Champion on Max Weber and the Protestant Ethic http://www.bbc.co.uk/programmes/b05nvj7j</p>	<p> Podcast: Sociology of the personal life http://www.aqa.org.uk/resources/sociology/as-and-a-level/sociology/teach/podcasts-for-as-and-a-level-sociology</p> <p> Radio 4 podcasts about being a single parent http://www.bbc.co.uk/programmes/p04xw9y6/members</p>
<p> Sociological Review April 2008 – Cult or Real Religion? By David Barrett</p> <p> Amish: a secret life http://documentaryheaven.com/amish-secret-life/</p> <p> Louis Theroux - Westborough Baptist Church (Netflix)</p>	<p> Fawcett Society report – Parents, Work and Care: Striking the Balance https://www.fawcettsociety.org.uk/Handlers/Download.ashx?IDMF=ee914eef-9b45-4f6e-84c5-57c0547727b4</p> <p> Domestic abuse https://www.womensaid.org.uk/information-support/what-is-domestic-abuse/</p> <p> Watch Sleeping with the Enemy (Julia Roberts film)</p> <p> A Doll's House by Henrik Ibsen</p>
<p> Sociology Review April 2008 – Religious Extremism and British Muslims by Munira Mirza</p> <p> Sociology Review April 2015 – Why do they do it? Western Girls Joining Isis</p> <p> Look up the publication The Gender Gap in Religion Around the World. What gender differences does it identify? http://www.pewforum.org/2016/03/22/the-gender-gap-in-religion-around-the-world/</p>	<p> Visit the V&A Museum of Childhood in Bethnal Green, London</p> <p> Watch Land of Hope and Glory</p> <p> Toxic childhood: How the world is damaging our children and what we can do about it by Sue Palmer</p> <p> To Kill a Mockingbird by Harper Lee</p>
<p> Sociology Review February 2012 – Media Representation of Islam post 9/11</p> <p> Sociology Review September 2015 – Exploring Christian Beliefs and Practices in Britain by Ben Clements</p> <p> Sociology Review April 2015 – Counting the Faithful by Conrad Hackett</p> <p> Sociology Review February 2013 – Nonreligion, Secularity and Society by Lois Lee</p> <p> Look up the report on The Changing Global Religious Landscape. What changes does it identify? http://www.pewforum.org/2017/04/05/the-changing-global-religious-landscape/</p>	<p> TED talk: Tan Lee – My immigration story. https://www.ted.com/talks/tan_le_my_immigration_story</p> <p> The Bone Sparrow by Zana Fraillon (This year's Sandringham Reads book)</p>

Super Curriculum – Year 12 & 13

Subject: VISUAL ARTS

 <p>GCSE Bitesize Art and Design https://www.amazon.co.uk/Bitesize-Design-Complete-Revision-Practice/dp/1406654361/ref=sr_1_1?s=books&ie=UTF8&qid=1500456626&sr=1-1&keywords=gcse+bitesize+art</p>	 <p>Read The illustrated story of Art by DK https://www.amazon.co.uk/Illustrated-Story-Art-Dk/dp/1409316084/ref=sr_1_7?s=books&ie=UTF8&qid=1500455396&sr=1-7&keywords=the+story+of+art</p>	 <p>Simon Schama The Power of Art https://www.amazon.co.uk/Simon-Schamas-Power-Art-Complete/dp/B000GY78AU/ref=pd_lpo_sbs_14_t_0?encoding=UTF8&psc=1&refRID=RNEY6ASY0YSXTXJ10BEZ</p>
 <p>Visit the Google Cultural Institute Art Project website. This is an ongoing project where you will be able to see every piece of art work in the world: https://www.google.com/culturalinstitute/beta/partner?hl=en</p>	 <p>Visit any of the Tate Galleries including: Tate Britain, Tate Modern, Tate Liverpool or Tate St Ives http://www.tate.org.uk/visit/tate-modern http://www.tate.org.uk/visit/tate-liverpool http://www.tate.org.uk/visit/tate-st-ives</p>	 <p>Join art club and become a Young Arts Leader. Lead sessions for younger learners and take responsibility for creating exciting art work across the school.</p>
 <p>Take part in Silver Arts Award or Gold Arts Award (which will give you UCAS points). See Mrs Rees for details.</p>	 <p>Listen to the Grayson Perry Reith lectures:</p> <ol style="list-style-type: none"> Democracy has bad taste: http://www.bbc.co.uk/programmes/b03969vt Beating the Bounds: http://www.bbc.co.uk/programmes/b03dsk4d Nice rebellion, welcome in! http://www.bbc.co.uk/programmes/b03f9bg7 I found myself in the art world: http://www.bbc.co.uk/programmes/b03g9mn1 	 <p>Buy a concertina sketchbook and make a continuous drawing that evolves and continues across many pages.</p>

	Reading task		Writing task
	Listening task		Watching task
	Research task		Trip or visit
	Creative task		Student-led task



Key Stage 5

The Super Curriculum