



MAIDSTONE GRAMMAR SCHOOL

FOUNDED 1549

Super Curriculum KS5

Contents

- Academic Publications in the School Library
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- Wider Reading

Academic Publications in the School Library

The War Memorial library holds an extensive cross curricular book stock which is regularly updated. The School Library also holds subscriptions for the following academic publications and journals which link to A Level subject areas:

- eMagazine
- BBC History Magazine
- Chemistry Review
- Physics Review
- Sociology Review
- PE Review
- Biological Sciences Review
- Business Review
- Economic Review
- Geography Review
- Modern History Review
- Politics Review
- Psychology Review
- English Review
- Turps Banana

Art

The Shock of the New - Robert Hughes 0-500-27582-3

Ways of Seeing - John Berger 978-0141035796

12 Gallerists: 20 Questions - A collection of Interviews with 12 London Gallerists.

12 Gallerists: 20 Questions seeks to de-mystify the world of contemporary art. Sarah Rowles asks 12 respected London gallerists how the art world works.

Who values art? How is it valued? Who buys it? Who do gallerists sell to and how are prices decided upon? How are artists selected and how do they make the transition from art school, to the marketplace, to the museum? What's the difference between the primary and secondary market? What types of gallery spaces exist and where does an artist start?

Sanctuary: Britain's Artists and their Studios (Thames & Hudson, ISBN: 978-0-500-97707-1) examines the lives and work places of 120 contemporary artists living and working in Britain through a series of interviews and essays.

Q-Arts books aim to make art education and the workings of the contemporary art world more transparent.

Vitamin P: New Perspectives in Painting (Phaidon, ISBN: 0-7148-4446-2)

Unmonumental: The Object in the 21st Century (Phaidon, ISBN: 978-0-7148-4829-7)

Video Art (Thames & Hudson, ISBN: 0-500-23798-0)

Vitamin PH - New Perspectives in Photography (Phaidon, ISBN: 978-0-7148-4656-9)

The Drawing Book (Black Dog Publishing, ISBN: 1-904772-33-1)

Central Saint Martins Foundation: Key lessons in Art and Design by Alexander (Author), Lucy (Author), Meara (Author), Timothy (Author)

The Drawing Ideas Book

Ways of Drawing: Artists' Perspectives and Practices

Critical Terms for Art History - R. Nelson and R. Shiff (eds.)

The Art of Art History - D. Preziosi (ed.)

The New Art History: A Critical Introduction - J. Harris

PERIODICAL AND JOURNALS

- Afterall
- Artforum
- Art Monthly
- Flash Art
- Frieze
- Mousse
- Turps Banana

WEBSITES

www.ubu.com

www.e-flux.com

www.a-n.co.uk

www.fvu.co.uk

www.bookworks.org.uk

Biology

The Times Science: A History in 100 Experiments - by John Gribbin and Mary Gribbin

The Greatest Show on Earth: The evidence for evolution - by Richard Dawkins

Genome - by Matt Ridley

Seeing Further - by Bill Bryson

Sapiens: A Brief History of Humankind - by Yuval Noah Harari

Life's Greatest Secret: The Race to Crack the Genetic Code - by Matthew Cobb

Short History of Nearly Everything - by Bill Bryson

No Time to Lose: A Life in Pursuit of Deadly Viruses - by Peter Piot

Guns, Germs and Steel - by Jared Diamond

From Bacteria to Bach and Back. The Evolution of Minds - by Daniel C. Dennett

Testosterone Rex - by Cordelia Fine

The Invention of Nature - by Andrea Wulf

The Gene: An Intimate History - by Siddhartha Mukherjee

The Incredible Human Journey - by Dr Alice Roberts

What is Life? How Chemistry Becomes Biology - by Addy Pross

Biological Science Review (Library)

New Scientist

Nature

Royal Society of Biology (Youtube)

Royal Society (Youtube)

Royal Institution Ri (Youtube)

Business & Economics

Business

- **Leaders Eat Last** - Simon Sinek
- **Upstarts: How Uber and Air BnB Are Changing The World** - Brad Stone
- **The Tipping Point: How Little Things Can Make a Big Difference** - Malcolm Gladwell
- **The Smartest Guys In The Room** - Peter Elkind & Bethany McLean
- **No Logo** - Naomi Klein

Economics

- **What Money Can't Buy: The Moral Limits of Markets** - Michael Sandel
- **Great Economists: How Their Ideas Can Help Us Today** - Linda Yueh
- **23 Things They Don't Tell You About Capitalism** - Ha-Joon Chang
- **Thinking Fast & Thinking Slow** - Professor Daniel Kahneman
- **The Undercover Economist** - Tim Harford

Chemistry

The New Scientist Magazine

New Scientist Publications:

- *Why Don't Penguin's Feet Freeze?*
- *Does Anything Eat Wasps?*

Chemistry Review Magazine

The Age of the Molecule - Ed. Nina Hall

A Short History of Nearly Everything - by Bill Bryson

A Short History of Chemistry - by Isaac Asimov

Atoms, Electrons and Change - by P X Atkins

What If? - by Randall Monroe

Elements - by Theodore Gray

Molecules - by Theodore Gray

The Knowledge: How To Rebuild Our World From Scratch - by Lewis Dartnell

Balliol College Reading List:

- **Organic Chemistry** - by J Clayden, N Greeves, S Warren and P Wothers
- **A Guidebook to Mechanism in Organic Chemistry** - P Sykes
- **Physical Chemistry** - by P.W. Atkins and J. de Paula
- **Introduction to Modern Inorganic Chemistry** - by K.M. Mackay, R.A. Mackay, W. Henderson
- **Inorganic Chemistry** - by P.W. Atkins, T. Overton, J. Rourke, M. Weller and F. Armstrong

Websites (not Key Stage specific)

- Isaac chemistry for pre-university physical chemistry extension questions and answers
- Chemguide
- RSC
- Periodic Table of Videos (University of Nottingham)
- OCR Chemistry A resources
- Knockhardy powerpoint lessons

Places of Interest

- Science Museum
- Natural History Museum
- Many experiential science / hands-on science centres around the country
- Tours are available at many industrial sites around the country

Classical Civilisation

The following is just a starting point. The Department holds an extensive collection of academic books by Classical scholars and translations of many original Latin and Greek texts. Department staff are happy to advise individual students at any point.

Penguin Classics translations are readily available for the following. The Department also has spare copies which it can lend.

Greece

- **The Iliad** - Homer
- **The Histories** - Herodotus
- **History of the Peloponnesian War** - Thucydides

Rome

Metamorphoses - Ovid

The Twelve Caesars - Suetonius

The Annals of Imperial Rome - Tacitus

Res Gestae Divi Augusti (*A funerary inscription of the first Roman emperor, Augustus, giving a first-person record of his life and accomplishments -copies in the department*).

Work by well-known academics

The Department stocks a number of volumes from the Classical World Series including: Christopher Carey, Democracy in Classical Athens and John Patterson, Political Life in the City of Rome.

Classics: A Very Short Introduction (Very Short Introductions Series) - Mary Beard and John Henderson - *Look at the bibliography for further reading.*

Confronting the Classics: Traditions, Adventures and Innovations (especially Chapter 1) - Mary Beard

SPQR: A History of Ancient Rome - Mary Beard

An Epic History of Greece and Rome - Robin Lane Fox

Rubicon - Tom Holland

Homer: A guide for the perplexed - Ahuvia Kahane

A Guide to Greek Theatre and Drama - Kenneth McLeish

The Mighty Dead: Why Homer Matters - Adam Nicholson

The Gracchi to Nero - H.H. Scullard (*found on every university reading list for classics – very useful for Year 13 study*).

An Introduction to Greek Art - Susan Woodford

Watch and Listen

Dr Michael Scott's BBC three part documentary "The Greatest Show on Earth" is available on You Tube. This relates to the Greek theatre as well as other aspects of Ancient Greek politics and Society and introduces a number of well-known contemporary academics including Professor Paul Cartledge and Professor Edith Hall.

Civilisations BBC iPlayer Includes aspects of Greek and Roman civilisation within a global context and introduces some key themes for consideration when thinking about Classics.

The Radio 4 archive has an extensive library of In Our Time podcasts relating to Greece and Rome. Academics discuss the significance of texts, events and people from the ancient world with the presenter, Melvin Bragg.

Computer Science

This is a small selection of books that you may find it interesting to read or browse through as background to Computer Science. You are not required to read any of them as part of the A-Level course, but we hope you may wish to look at some of them; they may be useful to mention in your UCAS personal statement

General

- **Computer Science: An Overview by Glenn Brookshear.** This is a good big textbook that covers a lot – a good book to dip into.
- **Algorithmics, the Spirit of Computing by David Harel, Addison-Wesley.** This is an excellent introduction to algorithms, most suitable for those who already have some programming experience.
- **Secrets and Lies: Digital Security in a Networked World by Bruce Schneier.** The book of choice for information security, by a leader in the field.
- **The Signal and the Noise: Why so many predictions fail – but some don't by Nate Silver.** This is an excellent introduction to modelling and predicting complex system behaviour. The chapter on how Gary Kasparov was beaten by an IBM built computer in chess is worth reading on its own.
- **The Golden Ticket: P, NP, and the Search for the Impossible by Lance Fortnow.** One of Amazon.com's Best Science Books. One of Choice's Outstanding Academic Titles. Honorable Mention or the PROSE Award in Popular Science & Mathematics, Association of American Publishers
- **Quantum Computing Since Democritus by Scott Aaronson (Cambridge University Press).** A tour through some of the deepest ideas of maths, computer science and physics...covers an amazing array of topics. Beginning in antiquity with Democritus, it progresses through logic and set theory, computability and complexity theory, quantum computing, cryptography... Aaronson's informal style makes this fascinating book accessible to readers with scientific backgrounds."

Internet

- **Weaving the Web: the Past, Present, and Future of the World Wide Web by its Inventor by Tim Berners-Lee.** The title is self-explanatory!
- **Where Wizards Stay Up Late: The Origins of the Internet by Katie Hafner and Matthew Lyon, Simon and Schuster.**

Entertainment

- **Logicomix: An Epic Search for Truth by Apostolos Didactylos and Christos H. Papadimitrou.** A graphic novel for all who want to know more about the history and nature of computing.
- **Gödel, Escher, Bach: an eternal golden braid by Douglas Hofstadter.** This book should be compulsory reading for any computer enthusiast who wants to understand the deep structures of computer science and the way those structures are shared with subjects such as music and art.

History

- **The Facebook Effect by David Kirkpatrick.** One account of the astonishing rise of Facebook from its origins in a college dorm room.
- **The Cathedral & the Bazaar by Eric Raymond O'Reilly.** A short history of the open source movement.
- **The Cuckoo's Egg by Clifford Stoll.** An old but classic account of tracking a hacker, a very readable and lively story with some internet history in there too. Surprisingly, this is now out of print: if you can find it in a library, it's a gripping story.
- **The Thrilling Adventures of Lovelace and Babbage: the (mostly) true story of the first computer by Sydney Padua.** Lively – and the explanation of the Analytical Engine is the best around. Sydney Padua is associated with the department.

Cryptography and Information Security

- **The Code Book by Simon Singh.** A lively account of codes and code-breaking by a Royal Holloway alumnus.
- **Traces of Guilt by Neil Barrett, ISBN-10: 0552150886.** A good read with some technical detail.

Design & Technology

Sketching, Analysis skills			
<i>Why Things Break: Understanding the World by the Way It Comes Apart</i>	Mark E. Eberhart	Three Rivers Press, 2005	ISBN 1400048834
Drawing for Product Designers (Portfolio Skills)	Kevin Henry	Laurence King Publishing (21 Mar 2014)	
Product Design Sketches	Cristian Campos	Booqs; Mul edition (7 Jun 2012)	946065066X

Robotics & Programming, Inclusive Design			
Robotics: Discover the Science and Technology of the Future with 25 Projects (Kathy Ceceri	Nomad Press (1 Aug 2012)	1936749750
Make: Electronics: Learning Through Discovery	Charles Platt	Maker Media, Inc; 1 edition (20 Dec 2009)	0596153740
Make: Technology on Your Time Volume 39: Robotic Me	Mark Frauenfelder	Maker Media, Inc; 1 edition (7 Jun 2014)	145718382X
Arduino: Getting Started With Arduino: The Ultimate Beginner's Guide	Steve Gold	CreateSpace Independent Publishing Platform (11 Feb. 2016)	1523999977
Inclusive Designing: Joining Usability, Accessibility, and Inclusion	P. M langdon	Springer; Softcover reprint of the original 1st ed. 2014 edition	3319357387

<i>The Essential Engineer: Why Science Alone Will Not Solve Our Global Problems</i>	Henry Petroski	Knopf Publishing Group, 2010	ISBN 0307272451
<i>Sustainable Materials - With Both Eyes Open</i>	Julian Allwood and Jonathan Cullen	UIT Cambridge Ltd., 2012	ISBN 190686005X
<i>The Gecko's Foot: How Scientists are Taking a Leaf from Nature's Book</i>	Peter Forbes	Harper Perennial, 2006	ISBN 0007179898
<i>Sustainable Energy - Without the Hot Air</i>	David J.C. MacKay	UIT, 2008.	ISBN 0954452933

Product Choice/Material Choice/Design Process			
The Measure of Man and Woman: Human Factors in Design	Alvin R. Tilley	John Wiley & Sons; Revised Edition (13 Feb 2002)	ISBN: 0471099554
<i>Invention by Design - How Engineers get from Thought to Thing</i>	Henry Petroski	Harvard University Press, 1998	ISBN 0674463684
<i>Small Things Considered: Why there is No Perfect Design</i>	Henry Petroski	Random House, 2004	ISBN 1400032938
Product Design (Portfolio)	Paul Rodgers	Laurence King (1 Aug 2011)	1856697517
Material Innovation: Product Design	Andrew H. Dent	Thames and Hudson Ltd (12 May 2014)	0500291292
Process: 50 Product Designs from Concept to Manufacture	Jennifer Hudson	Laurence King; 2 edition (25 April 2011)	1856697258
<i>Cats' Paws and Catapults: Mechanical Worlds of Nature and People</i>	Steven Vogel	W.W. Norton & Co., 2000	ISBN 0393319903
<i>What Engineers Know and How They Know It: Analytical Studies from Aeronautical History</i>	W.G. Vincenti	Johns Hopkins University Press, 1993	ISBN 0801845882
<i>To Engineer is Human: The Role of Failure in Successful Design</i>	Henry Petroski	Vintage Books, 1992	ISBN 0679734163
<i>Remaking the World</i>	Henry Petroski	Vintage Books, 1999	ISBN 0375700242
<i>Pushing the Limits: New Adventures in Engineering</i>	Henry Petroski	Vintage Books, 2005	ISBN 1400032946
<i>Why Buildings Fall Down</i>	Matthys Levy and Mario Salvadori	W.W. Norton & Company Ltd., 1994	ISBN 039331152X
<i>Why Buildings Stand Up</i>	Mario Salvadori	W.W. Norton & Company Ltd., 1991	ISBN 0393306763
<i>Made to Measure: New Materials for the 21st Century</i>	Philip Ball	Princeton University Press, 1999	ISBN 0691009759
<i>How Things Work - The Physics of Everyday Life</i>	Louis A. Bloomfield	John Wiley & Sons, 2009	ISBN 0470223995
<i>Advanced Design and Technology</i>	Eddie Norman, Joyce Cubitt, Syd Urry, and Mike Whittaker	Longman Group Ltd., 2000	ISBN 0582328314

Magazines/Online

<i>Make magazine</i>	http://makezine.com	
<i>BBC Focus</i>	http://sciencefocus.com	
<i>Design Week</i>	http://www.designweek.co.uk	
<i>Creative review</i>	http://www.creativereview.co.uk	

English

Texts to extend your knowledge of the authors we study:

- **Cat on a Hot Tin Roof**, Tennessee Williams
- **The Glass Menagerie**, Tennessee Williams
- **The Time Machine**, H G Wells
- **The Blind Assassin**, Margaret Atwood
- **Wise Children**, Angela Carter
- **Look Back in Anger**, John Osborne

Texts to extend your literary appreciation:

- **Never Let Me Go**, Kazuo Ishiguro
- **The Picture of Dorian Gray**, Oscar Wilde
- **A Thousand Splendid Suns**, Khaled Hosseini
- **Doctor Faustus**, Christopher Marlowe
- **Waiting for Godot**, Samuel Beckett
- **Wuthering Heights**, Emily Bronte
- **Taste of Honey**, Shelagh Delaney

Critical Essays to broaden your contextual horizons:

- **American Literature's Adulthood Problem**, Harvard University Press
- **King Lear, Madness, the Fool and poor Tom**, The British Library
- Coppelia Kahn's, **The Absent Mother King Lear**

Other Links:

- Dystopian Fiction: <https://journals.lib.unb.ca/index.php/scl/article/view/12383/13254>
- Interview with Margaret Atwood: <https://www.nytimes.com/2017/03/10/books/review/margaret-atwood-handmaids-tale-age-of-trump.html>
- Contextual resource for The War of the Worlds: <http://geekchocolate.co.uk/martians-and-marxism-a-socialist-critique-of-h-g-wells-the-war-of-the-worlds/>
- John Donne context article: <https://www.theguardian.com/books/2022/apr/15/plague-poems-defiant-wit-and-penis-puns-why-john-donne-is-a-poet-for-our-times>

Sources to lookup extra wider reading

- JSTOR: <https://www.jstor.org/action/showLogin?redirectUri=%2F> (Username: Maidstonegs Password: library21)
- Massolit: https://www.massolit.io/users/sign_in (You will need to create your own login and password for this and this is another useful link where you can look up lectures to each of your texts and add to your notes).

English

Journals and Articles for different A-Level Texts

A Streetcar Named Desire by Tennessee Williams:

1. Authorising History: Victimisation in A Streetcar Named Desire: https://www.jstor.org/stable/3208047?search-Text=streetcar+named+desire&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dstreetcar%2Bnamed-%2Bdesire%26so%3Drel%26doi%3D10.5406%252Famericanmusic.29.4.0401&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3Afa11ef-5967d08883e4c105272ff64d7f&seq=1
2. Tennessee Williams A Streetcar Named Desire: A Global Perspective: https://www.jstor.org/stable/26432076?search-Text=streetcar+named+desire&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dstreetcar%2Bnamed%2B-desire%26so%3Drel%26doi%3D10.5406%252Famericanmusic.29.4.0401&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3Ad1f9bf0dd11541f7e3845986952db08c&seq=1
3. Power Struggle In Tennessee Williams' A Streetcar Named Desire: A Foucaudian Analysis of the play: <https://litere.univ-ovidius.ro/Anale/documente-z/articole-2013-1/nodeh%201-2013.pdf>
4. Watch Massolit videos of each scene to add to your notes.

A Handmaid's Tale by Margaret Atwood:

1. Identity, Complicity and Resistance in The Handmaid's Tale: https://www.jstor.org/stable/20719314?searchText=a%20handmaids%20tale&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Da%2Bhandmaids%2Btale%26so%3Drel%26doi%3D10.2307%252F20719314&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A55a1bd03b7e153a66e764c0a2bb57cf
2. Margaret Atwood's "The Handmaid's Tale": A Contextual Dystopia ("La servante écarlate" de Margaret Atwood: une dystopie contextuelle): https://www.jstor.org/stable/4239936?searchText=a%20handmaids%20tale&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Da%2Bhandmaids%2Btale%26so%3Drel%26doi%3D10.2307%252F4239936&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3Acc0c05a6f9416742dce0413dff115ae1
3. The World as It will Be? Female Satire and the Technology of Power in "The Handmaid's Tale": https://www.jstor.org/stable/3194826?searchText=a%20handmaids%20tale&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Da%2Bhandmaids%2Btale%26so%3Drel%26doi%3D10.2307%252F3194826&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A62661d8360e1b0c1dcab9e0b4c7548ac
4. Watch Massolit videos of each chapter to add to your notes.

Frankenstein by Mary Shelley:

1. Frankenstein: Creation as Catastrophe: https://www.jstor.org/stable/462130?searchText=frankenstein%20by%20Mary%20Shelley&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dfrankenstein%2Bby%2BMary%2BShelley%26so%3Drel%26doi%3D10.2307%252F462130&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A92f0c4514051234516b1d4d317fcf484
2. Mary Shelley, Frankenstein, and the Spectacle of Masculinity: https://www.jstor.org/stable/462596?searchText=frankenstein%20by%20Mary%20Shelley&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dfrankenstein%2Bby%2BMary%2BShelley%26so%3Drel%26doi%3D10.2307%252F462596&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A4cedae295a210c30d6c626c36141a970
3. Why did Mary Shelley Write Frankenstein?: https://www.jstor.org/stable/27512949?searchText=frankenstein%20by%20Mary%20Shelley&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dfrankenstein%2Bby%2BMary%2BShelley%26so%3Drel%26doi%3D10.2307%252F462596&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A6d276c4ad0faf4666004b4c557409771
4. Watch Massolit videos of each chapter to add to your notes.

The War of The Worlds by HG Wells:

1. The Analogical Alien: Constructing and Construing Extraterrestrial Invasion in Wells's "The War of the Worlds": https://www.jstor.org/stable/43488465?searchText=war+of+the+worlds+by+HG+Wells&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dwar%2Bof%2Bthe%2Bworlds%2Bby%2BHG%2BWells%26so%3Drel%26doi%3D10.2307%252F43488465&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A59808ef0d7dcd2a02aa75f7f674ef53b&seq=1
2. The Martians Are Coming! War, Peace, Love, and Scientific Progress in H.G. Wells's "The War of the Worlds" and Kurd Laßwitz's "Auf zwei Planeten": https://www.jstor.org/stable/4122328?searchText=war+of+the+worlds+by+HG+Wells&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dwar%2Bof%2Bthe%2Bworlds%2Bby%2BHG%2BWells%26so%3Drel%26doi%3D10.2307%252F4122328&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A631f59e4c84134759de7873ba260f717&seq=1

English

3. Witnessing The End of The World: HG Wells' Educational Apocalypses: https://www.jstor.org/stable/23927497?searchText=war+of+the+worlds+by+HG+Wells&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dwar%2Bof%2Bthe%2Bworlds%2Bby%2BHG%2BWells%26so%3Drel%26doi%3D10.2307%252F4122328&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A84969b580188a9f940b30fbc7f7ab58b&seq=1

4. Watch Massolit videos of each chapter to add to your notes.

King Lear by William Shakespeare:

1. Lear As Old Man-Father-King: https://www.jstor.org/stable/44325582?searchText=king+lear+by+william+shakespeare&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dking%2Blear%2Bby%2Bwilliam%2Bshakespeare%26so%3Drel%26doi%3D10.2307%252F2870444&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3Ad55b8fc538d8f10877e95a72ad347e28&seq=2

2. See What Breeds about Her Heart: "King Lear", Feminism, and Performance: https://www.jstor.org/stable/41917389?searchText=king+lear+by+william+shakespeare&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dking%2Blear%2Bby%2Bwilliam%2Bshakespeare%26so%3Drel%26doi%3D10.2307%252F41917389&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A80edfcd92f964c42308b37def7119a9&seq=1

3. Making Use of Nothing: The Sovereignities of "King Lear": https://www.jstor.org/stable/24392061?searchText=king+lear+by+william+shakespeare&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dking%2Blear%2Bby%2Bwilliam%2Bshakespeare%26so%3Drel%26doi%3D10.2307%252F41917389&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A1e5e3aff5a9aa1cd9318584cb1dcf926&seq=1

4. Watch Massolit videos of each act to add to your notes.

Othello by William Shakespeare:

1. Iago's Alter Ego: Race as Projection in Othello: https://www.jstor.org/stable/2871277?searchText=othello+by+william+shakespeare&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dothello%2Bby%2Bwilliam%2Bshakespeare%26so%3Drel%26doi%3D10.2307%252F2871277&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A92abb89e88d57d303f91d1572a0f9266&seq=1

2. Unproper Beds: Race, Adultery, and the Hideous in Othello: https://www.jstor.org/stable/2870608?searchText=othello+by+william+shakespeare&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dothello%2Bby%2Bwilliam%2Bshakespeare%26so%3Drel%26doi%3D10.2307%252F2871277&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3Aa8077c57f35b4ac93c427d6a0770afd2&seq=1

3. Concluding Othello: Contrasting Endings by Shakespeare and Fred Wilson: https://www.jstor.org/stable/26355182?searchText=othello+by+william+shakespeare&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dothello%2Bby%2Bwilliam%2Bshakespeare%26so%3Drel%26doi%3D10.2307%252F2870608&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A1aa42d26ff37361da96576ed3393e2e6&seq=1

4. Watch Massolit videos of each act to add to your notes.

John Donne Collection:

1. The Rhetoric in the Poetry of John Donne: https://www.jstor.org/stable/449543?searchText=john+donne&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Djohn%2Bdonne%2B%26so%3Drel%26doi%3D10.2307%252F449543&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A5975535dc4c75a41ad3d726a0fcd3007&seq=1

2. Donne's Wit of Redemption: The Drama of Prayer in the "Holy Sonnets": https://www.jstor.org/stable/4173904?searchText=john+donne&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Djohn%2Bdonne%2B%26so%3Drel%26doi%3D10.2307%252F449543&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A1ea7a09d4824cdfb9262e85ce04237d6&seq=1

3. John Donne's Conflicted Anti-Catholicism: https://www.jstor.org/stable/27712244?searchText=john+donne&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Djohn%2Bdonne%2B%26so%3Drel%26doi%3D10.2307%252F4173904&ab_segments=0%2Fbasic_search_gsv%2Fcontrol&refreqid=fastly-default%3A2c7cd77644a86d53d203ff22d6ae1057&seq=1

4. Watch Massolit videos to add to your notes.

Post 2000 Poetry Collection:

Watch Massolit lectures on each poem to add to your notes

Geography

Physical Geography Titles:

- **Natural Disasters** - by David Alexander
- **The Power of the Planet** - by Ian Stewart & John Lynch
- **Richter 10- Taming the Earthquakes** - by Arthur Clarke and (late) Mike McQuay
- **Volcano – Nature’s Inferno** - by National Geographic
- **Geography: An Integrated Approach** - by David Waugh (various editions). Excellent breadth and depth of A-Level content.
- **Climate Wars: The Fight For Survival As The World Overheats** - by Gwynne Dyer
- **There is No Such Thing as a Natural Disaster** - by Chester Hartman and Gregory D Squires
- **Water A Turbulent History** - by Stephen Halliday
- **Coasts and Coastal Management** - by Hill, M. Hazards, Skinner, M.
- **Hazards and Responses** - by Bishop, V.
- **Nature of the Environment** - by Goudie, A.
- **Rivers and Water Management** - by Nagle, G.
- **Tsunami** - by Tibballs, G.

Human Geography Titles:

- **The White Tiger** - by Aravind Adiga (A Man Booker Prize Winner)
- **The Debt Boomerang** - by Susan George
- **Powerdown: Options and Actions for a Post-Carbon World** - by Richard Heinberg
- **The Global Casino** - by Nick Middleton
- **The New Rulers of the World** - by John Pilger
- **Fast Food Nation: What the All American Meal is Doing to the World** - by Eric Schlosser
- **Wild Swans** - by Jung Chiang
- **Poverty and Development into the 21st Century** - by Allen, T. and Thomas, A.
- **Making Development Geography** - by Lawson, V.
- **Prisoners of Geography** - by Tim Marshall
- **The Day After Tomorrow** - by Whitley Strieber
- **Fixing Climate** - by Wallace Broecker and Robert Kunzig

Government & Politics

Please note that, in many cases, the bibliographies in the back of the books listed below will provide further ideas for onward reading by students.

Government and Politics

- **On Liberty** - by J S Mill
- **A Theory of Justice** - by J Rawls
- **Two Faces of Liberalism** - by J Gray
- **The End of Tolerance** - by Arun Kundnani
- **The Life and Death of Democracy** - by J Keane

History

Britain 1785-1870: Protest Democracy and Reform.

Theme 1: The Growth of Parliamentary Democracy 1785-1870

- Belcham, J. Popular Radicalism in Nineteenth Century Britain (Macmillan 1995)
- Evans, E. Parliamentary Reform 1770-1918 (Longman, 2000)
- Gash, N. Aristocracy and the People 1815-1865 (Hodder Education 1979)
- Lang, S. Parliamentary Reform 1765-1928 (Routledge 1999)
- O’Gorman, F. Voters, Patrons and Parties: The Unreformed Electorate of Hanoverian England 1734-1832 (Oxford University Press, 1989)

Theme 2: Industrialisation and Protest 1785-1870

- Ashton, T. The Industrial Revolution 1760-1830 (Oxford University Press 1961)
- Evans, E. The Forging of the Modern State 1783-1879 (Longman 1983)
- Foud, F & Johnson, P (eds). The Cambridge Economic History of Modern Britain Volume 2: Industrialisation 1700-1860 (Cambridge University Press 2004)
- Griffin, E. A Short History of the Industrial Revolution in Britain (Macmillan 2010)
- Thompson, E.P. The Making of the English Working Class (Penguin 1963)

Theme 3: Trade Unionism and Cooperation 1785-1870

- Behagg, C. Labour and Reform: Working Class Movements 1815-1914 (Hodder 2000)
- Donnachie, I. Robert Owen: Social Visionary (John Donald Publishing 2005)
- Fraser, W.H. A History of British Trade Unionism 1700-1998 (Macmillan 1999)
- Peiling, H. A History of Trade Unionism (Macmillan 1992)

Theme 4: Poverty and Pauperism 1785-1870

- Edsall, N. The Anti-poor law movement 1834-1884 (Manchester University Press 1971)
- Englander, D. Poverty and Poor Law Reform in Nineteenth Century Britain: From Chadwick to Booth (Routledge 1998)
- Murray, P. Poverty and Welfare 1830-1914 (Hodder 1999)
- Rose, M. The Relief of Poverty 1834-1914 (Macmillan 1972)

Theme 5: The Abolition of the Slave Trade 1785-1807

- Drescher, S. Econicide: British Slavery in the era of Abolition (North Carolina University Press 2010)
- Hochschild, A. Burying the Chains: The Struggle for the Abolition of Slavery (Pan 2010)
- Richardson, P. Empire and Slavery (Longman 1968)
- Walvin, J. A Short History of Slavery (Penguin 2007)
- Williams, E. Capitalism and Slavery (North Carolina University Press 1944)

History

The Unification of Italy 1815-1871

Theme 1: Challenges to the Restored Order and the failure of Revolution from 1830 to 1849

- Clark, M. *The Italian Risorgimento* (Routledge 2009)
- Hearder, H. *Italy in the Age of the Risorgimento 1790-1870* (Routledge 1983)
- Mack-Smith, D. *Mazzini* (Yale University Press 1996)
- John A. Davis (ed.), *The Risorgimento and Unification (1789-1896) The Short Oxford History of Italy* (Oxford University Press 2000)

Theme 2: The Rise of Piedmont 1849-1856

- Hearder, H. *Cavour* (Routledge 1994)
- Smith, M.C. *Cavour* (Alfred Knopf Publishing 1985)
- Riall, L. *Risorgimento* (Palgrave-Macmillan 2009)
- Denis Mack Smith, *The Making of Italy, 1796-1870* (Macmillan 1968)

Theme 3: The Creation of the Kingdom of Italy 1856-1861

- Di Lampedusa, G. *The Leopard* (Casa Editrice Feltrinelli 1958)
- Gooch, J. *The Unification of Italy* (Routledge 1986)
- Hearder, H. *Italy: A Short History* (Cambridge University Press 1990)
- Frank J. Coppa, *The Origins of the Italian Wars of Independence* (Longman 1992)

Theme 4: Consolidating the Kingdom of Italy 1861-1870

- Duggan, C. *A Concise History of Italy* (Cambridge University Press 1994)
- Lucy Riall, *Garibaldi: Invention of a Hero* (Yale University Press 2007)
- Alfonso Scirocco, *Garibaldi: Citizen of the World: A Biography* (Princeton University Press 2007)
- Danilo Raponi, *Religion and Politics in the Risorgimento: Britain and the New Italy, 1861-1875* (Palgrave Macmillan 2014)

Mathematics

The best preparation for maths courses at the top universities would be working towards STEP exams. We run weekly, after school sessions to support students in their preparation for this. Our course is based on a correspondence course initiated by Cambridge university. See: <https://maths.org/step/>. All of the assignments we uses are on the VLE along with the post-mortems. The book '**STC Siklos book of Advanced Problems in Mathematics**' is also good for university entrance exam preparation, a copy of which can be obtained in pdf format, also from the VLE.

Other resources to extend and challenge students aspiring to study Mathematics further at university include:

- Nrich website (nrich.maths.org) - a good source of problems that promote thinking skills and extend mathematical ability.
- Lectures by Marcus Du Sautoy available on Youtube.
- '**Alex's Adventures in Numberland**' by Alex Bellos is a good starting point for exploring a wide range of mathematical topics in more detail; further interest in particular areas of Maths may follow from this and so it may be a good 'first book' for students interested in pursuing Maths at a top university in the future.
- Any book by Simon Singh, e.g. **Fermat's Last Theorem**.
- David Wells '**Curious and Interesting**' Series of books
- '**Zero: The Biography of a Dangerous Idea**' by Charles Seife and as an introduction to statistics. '**Proofiness: The Dark Arts of Mathematical Deception**' by the same author.
- phys.org/science-news/mathematics for articles linked to journals.
- AEA past exam papers see Edexcel website.
- '**Men of Mathematics**' by E.T. Bell was written in 1937, but is still a very readable history of some prominent mathematicians and the mathematics they developed.
- '**1089 And All That**' by David Acheson is a short and entertaining look at a variety of interesting applications and puzzles.
- **The Mathematical Gazette** is the quarterly journal of the Mathematical Association. This is mainly aimed at school teachers and college and university lecturers. However, each issue has two or three 'student problems' to be tackled by able and interested sixth form students. Each issue contains solutions and discussion of the previous problems. Two related books are '**Problem Pages 14 – 19**' ISBN 0906588456 and '**Student Problems from the Mathematical Gazette**' ISBN 0906588499, both published by the Mathematical Association.

MFL

Generic

- **The Language Instinct**, S. Pinker, ISBN 978-0141980775
- **On Language: Chomsky's Classic Works Language and Responsibility and Reflections on Language in One Volume**, N. Chomsky, M. Ronat, ISBN: 9781565844759
- Polyglossia: <http://www.srcf.ucam.org/polyglossia/>

French

- **The Cambridge History of French Literature**, ed. B. Burgwinkle, N. Hammond, E. Wilson, ISBN: 9780521897860
- **French Literature: A Very Short Introduction**, J. Lyons, ISBN: 9780199568727
- **The French Language Today**, A. Battye, M.A. Hintze and P. Rowlett, ISBN: 9780415198387
- **Le Français Dans Tous Les Sens**, H. Walter, ISBN: 9782757859995
- **Bescherelle: La Grammaire Pour Tous**, B. Delaunay, N. Laurent, ISBN: 9782218952005
- **French Studies**, Online ISSN 1468-2931, Print ISSN 0016-1128
- **L'Express**, ISSN: 0245-9949

German

- **A New History of German Literature**, ed. H. Gumbrecht, A. Kaes, J. Koerner, D von Mücke, ISBN 9780674015036
- **German Literature: A Very Short Introduction**, N. Boyle, ISBN: 9780199206599
- **The German Language Today: A Linguistic Introduction**, C. Russ, ISBN: 9780415104388
- **German Grammar in Context (2013 Edition)**, C. Fehringer, ISBN: 9781444167269
- **Hammer's German Grammar and Usage**, M. Durrell, ISBN: 9781138853713
- **Seminar: A Journal of Germanic Studies**, ISSN: 0037-1939; eISSN: 1911-026X
- **Der Spiegel**, ISSN · 0038-7452

Spanish

- **The Cambridge History of Spanish Literature**, D. Gies, ISBN: 978-0521738699
- **Spanish Literature: A Very Short Introduction**, J. Labanyi, ISBN: 9780199208050
- **The Spanish Language Today**, M. Stewart , ISBN: 9780415142595
- **A New Reference Grammar of Modern Spanish**, J. Butt, ISBN: 9781444137699
- **Cambio 16**, ISSN: 0211-285X
- **Bulletin of Hispanic Studies**, Print ISSN: 1475-3839, Online ISSN: 1478-3398

Music & Music Technology

All students of A Level Music should have their own copy of the **Anthology of Music** (listed below). This also includes suggestions about wider listening/recommended pieces for knowledge expansion.

It is recommended that any pieces/albums etc. mentioned in the publications should be explored further by the students of both courses, listening to as much Music as they possibly can, whether they are examining it from a theoretical or technological background. All printed publications are easily accessible from Amazon.

Music

- Winterson, Julia - **Edexcel AS/A Level Anthology of Music** (Publisher - Pearson)
- Grout, Donald - **A History of Western Music** (Publisher - Norton)
- Taylor, Eric - **The AB Guide to Music Theory Part II** (Publisher - ABRSM)
- Stanley, Bob - **Yeah Yeah Yeah: The Story of Modern Pop** (Publisher - Faber)
- Butterworth, Anna - **Harmony in Practice** (Publisher - OUP)
- Dimery, Robert - **1001 Albums You Must Hear Before You Die** (Publisher - Cassell)
- Ventura, David - **Film Music in Focus** (Publisher - Rhinegold)
- **Grove Music Online** www.oxfordmusiconline.com This is a very well respected music publication, originally a printed musical encyclopaedia. This requires a subscription - you can either subscribe as an individual, through an institution or public library.

Music Tech

- www.musictechstudent.co.uk Excellent website which we already subscribe to as a school (Tech students are given login when they start the course). It also includes details of books/articles to access.
- www.allmusic.com A fantastic website for finding out about and listening to the music of different artists and genres
- White, Paul - “**Basic**” series e.g. Basic Microphones and Basic Live Sound (Publisher - all Sanctuary)
- Winterson, Julia - **Pop Music: The Textbook** (Publisher - Edition Peters)
- Winterson, Julia - **Rock and Pop Theory: The Essential Guide** (Publisher - Edition Peters)
- Dimery, Robert - **1001 Albums You Must Hear Before You Die** (Publisher - Cassell)

PE

Skill Acquisition and Sport Psychology

- Inside the Athlete's mind. Jonny Bell
- Schmidt, R.A., & Lee, T.D. (2005). '**Motor Control & Learning – A Behavioural Emphasis**' (4th Edition). Champaign, IL: Human Kinetics Publishers.
- **Bounce** - Matthew Syed 2010, Fourth Estate
- Cox, R.H. (2007). **Sport Psychology: Concepts and Applications**. (6th edition). New York: McGraw-Hill.
- Berger, B., Pargman, D., & Weinberg, R. (2002). **Foundations of Exercise Psychology**. Morgantown, WV: Fitness Information Technology.
- Gill, D.L. (2000/2008). **Psychological Dynamics of Sport and Exercise** (2nd/3rd edition). Champaign, IL. Human Kinetics.
- Moran, A. (2004). **Sport and Exercise Psychology: A Critical Introduction**. London: Routledge.
- Weinberg, R.S., & Gould, D. (2003/2007). **Foundations of Sport and Exercise Psychology**. (3rd or 4th edition). Champaign, IL: Human Kinetics.

Anatomy and Physiology

- Clegg, C. **Exercise Physiology And Functional Anatomy** (1995) Feltham Press
- Walder, P. **Mechanics And Sport Performance** (1998) Feltham Press

History of Sport & Sport and Society

- **Physical Education and the Study of Sport**. Robert Davis PhD, Jan Roscoe
- John Lowerson (1995) - **Sport and the English Middle Class 1870 - 1914**. Manchester University Press
- Neil Wigglesworth (1996) - **The Evolution of English Sport**
- Dennis Brailsford (1998) - **British Sport A Social History Lutterworth Press Sport and Society**
- Jay Coakley (1998) - **Sport and Society Issues and Controversies**. McGraw Hill

Documentaries and TV Programmes

- **The Truth About Sports Products** (BBC) Panorama
- **Catch Me If You Can** (BBC)
- **The Program** (Amazon Prime)
- **Andy Murray - Resurfacing** (Amazon Prime)
- **The Real Football Factories International** (Amazon Prime)
- **Icarus** (Netflix)
- **Friday Night Lights** (Netflix)
- **The English Game** (Netflix)
- **The Game Changers** (Netflix)

Journals

- Journal of Sports Sciences
- Journal of Sport & Social Issues
- All sports magazines will offer a view on performing, coaching, science, current issues or history of sport(s). They are therefore valuable wider reading material
- National newspapers. The sports pages report global events and the biggest issues

Psychology

- **The Man Who Mistook his Wife for a Hat** by Oliver Sacks
- **Obedience to Authority** by Stanley Milgram and Philip Zimbardo
- **The Lucifer Effect** by Philip Zimbardo
- **Opening Skinner's Box** by Lauren Slater
- **Zero Degrees of Empathy** by Simon Baron-Cohen
- **The Myth of Repressed Memory: False Memories...** by Elizabeth Loftus
- **The Ego and The Id** by Sigmund Freud
- **Thirty-Eight Witnesses: The Kitty Genovese Case** by A M Rosenthal
- **The Skeleton Cupboard: The Making of a Clinical Psychologist**
- **The Marshmallow Test...** by Walter Mischel
- **The Psychopath Test** by Jon Ronson
- **The Psychopath** by James Blair
- **We Need to Talk About Kevin** by Lionel Shriver
- **The Man Who Loved a Polar Bear and Other Psychotherapist's Tales** by Robert Akeret
- **Henry's Demons Living With Schizophrenia** by Patrick and Henry Cockburn
- **The Psychology Book** by Nigel Benson and Catherine Collin
- **The Crime Book** by Peter James

Sociology

Please note that, in many cases, the bibliographies in the back of the books listed below will provide further ideas for onward reading by students.

Sociology

- **Class and Stratification**, R Crompton
- **Social Class in the 21st Century**, M Savage
- **Religion in Britain: A persistent Paradox**, Grace Davie
- **Modernity and Self-identity: Self and Society in the late Modern Age**, A Giddens
- **Understanding Fundamentalism**, R Antoun

Wider Reading

Imperial University - Medicine, healthcare etc

- <https://www.imperial.ac.uk/be-inspired/social-and-multimedia/podcasts/>
- <https://www.imperial.ac.uk/be-inspired/schools-outreach/outreach-events/>

UCL- ALL COURSES!

- https://www.ucl.ac.uk/short-courses/search-courses?collection=drupal-push-short-courses-short_course&sort=title
- <https://www.ucl.ac.uk/history/suggested-reading-and-listening>

University of Oxford ALL SUBJECTS:

- <https://www.ox.ac.uk/admissions/undergraduate/increasing-access/ug-digital-resources>

Kings College London (Politics):

- <https://www.kcl.ac.uk/sspp/departments/politiceconomy/study/ug/recommended-reading-list>

Medical Student Reading List:

- <https://www.themedicportal.com/blog/prospective-medical-student-reading-list/>

University of Nottingham ALL COURSES:

- <https://notts.rl.talis.com/index.html>

University of Exeter ALL Humanities Subjects:

- <https://www.exeter.ac.uk/students/yourexeter/whathappensnext/summerreading/>

Cambridge University:

- https://www.undergraduate.study.cam.ac.uk/sites/www.undergraduate.study.cam.ac.uk/files/publications/super-curricular_suggestions_0.pdf