

Reading Lists for A Level Subjects

We have prepared reading lists for each subject available in Year 12/13. We would strongly encourage you to look at the subjects you are intending to study in Year 12. While completing the suggested reading is not obligatory, it is designed to provide you with a useful introduction to the subject at A level and (particularly in the case of websites) get you to use resources that you will be using during the course. While we would encourage you to have a period of relaxation in the aftermath of your GCSE exams, it would be helpful for you to keep your future academic studies in mind so that your return to study in September is not too much of a shock!

Books can be accessed through the Dorset Library Service and the Poole Library Service; you will need to visit their local library to set up your account but they can order the books on line and collect when they arrive:

<http://libcat.dorsetforyou.com/>

www.boroughofpoole.com/libraries

General Reading

In addition to subject specific reading, the following list of books may be worth dipping into

Achebe, Chinua	Things Fall Apart
Ali, Monica	Brick Lane
Allende, Isabel	Paula
Atkinson, Kate	One Good Turn
Atwood, Margaret	The Handmaid's Tale, The Blind Assassin
Austen, Jane	Persuasion
Banks, Iain	The Steep Approach to Garbadale
Barnes, Julian	Flaubert's Parrot
Boyd, William	Any Human Heart
Bradbury, Malcolm	The History Man
Bronte, Charlotte	Villette
Burgess, Anthony	A Clockwork Orange
Byatt, AS	Possession
Calvino, Italo	If on a Winter's Night a Traveller
Camus, Albert	The Outsider
Capote, Truman	Breakfast at Tiffanys
Carcattera, Lorenzo	Sleepers
Carey, Peter	Oscar and Lucinda
Carter, Angela	The Magic Toyshop
Chandler, Raymond	The Big Sleep
Conrad, Joseph	The Secret Agent
Collins, Wilkie	The Woman in White
Defoe, Daniel	Moll Flanders
De Bernieres	Captain Corelli's Mandolin
Dickens, Charles	Bleak House
Doyle, Roddy	Paddy Clarke, Ha,Ha,Ha
Faulks, Sebastian	Birdsong
Eco, Umberto	The Name of the Rose
Eliot, George	Middlemarch
Enright, Anne	The Gathering
Faulks, Sebastian	Engleby

Fitzgerald, F Scott	The Great Gatsby
Flaubert, Gustave	Madame Bovary
Gibbons, Stella	Cold Comfort Farm
Haddon, Mark	A Spot of Bother
Hall, Sarah	The Electric Michelangelo
Heller, Joseph	Catch 22
Hemingway, Ernest	For Whom the Bell Tolls
Hornby, Nick	Fever Pitch, A Long Way Down
Hosseini, Khaled	The Kite Runner
Huxley, Aldous	Brave New World
Ishiguro, Kasuo	Artist of the Floating World
James, Henry	Washington Square
Jhabvala, Ruth Praver	Heat and Dust
Joyce, James	Ulysses
Kafka, Franz	The Trial
Kerouac, Jack	On the Road
Kingsolver, Barbara	Poisonwood Bible
Kundera, Milan	The Unbearable Lightness of Being
Kureishi, Hanif	Buddha of Suburbia
Lampedusa, di Guiseppi	The Leopard
Levi, Primo	If this is a Man
Lodge, David	Nice Work
McEwan, Ian	Saturday
Mann, Thomas	Death in Venice
Marquez, Gabriel Garcia	Love in the Time of Cholera
Masters, Alexander	Stuart—A Life Backwards
Morrall , Clare	Astonishing Splashes of Colour
Morrison, Toni	Beloved
Murdoch, Iris	The Sea, The Sea
Naipaul, VS	A House for Mr Biswas
Okri, Ben	The Famished Road
Paton Walsh, Jill	A Knowledge of Angels
Plath, Sylvia	The Bell Jar
Proulx, E Annie	The Shipping News
Rushdie, Salman	Midnight's Children
Seth, Vickram	A Suitable Boy
Shelley, Mary	Frankenstein
Smith, Ali	The Accidental
Smith, Zadie	On Beauty
Sterne, Lawrence	The Life and Opinions of Tristram Shandy
Syede, Matthew	Bounce
Thackeray, WM	Vanity Fair
Updike, John	Rabbit Angstom, Four Novels
Walker, Alice	The Color Purple
Waters, Sarah	The Night Watch
Wesley, Mary	The Camomile Lawn
Winterson, Jeanette	Oranges Are Not The Only Fruit
Woolf, Virginia	To the Lighthouse

Additional Reading Lists

<http://www.mcsoxford.org/academic/reading-lists>

<http://www.mcsoxford.org/academic/reading-lists/oxbridge>

http://www.tonbridge-school.co.uk/academic/sixth_form_guide/16/

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Subject Specific Reading Lists

1. Biology

Core Reading	<p>The Greatest Show on Earth by Richard Dawkins. Bang up to date on the evidence for evolution- a great introduction to evolution.</p> <p>The Origin of Species by Charles Darwin (the final chapter- although it is all very well written).</p> <p>Why Evolution is True by Jerry Coyne (one of the best single volume introductions to evolutionary theory)</p> <p>Bad Science by Ben Goldacre- very good on the scientific method and how science works.</p>
Additional Reading	<p>The Selfish Gene by Richard Dawkins (a classic, if difficult read).</p> <p>River out of Eden by Richard Dawkins.</p> <p>Genome by Matt Ridley (very good on modern developments in genetics).</p> <p>Life by Richard Fortey (excellent on fossil evidence and the history of life).</p> <p>A Short History of Nearly Everything by Bill Bryson.</p> <p>Mapping the Deep by Robert Kunzig</p> <p>Silent Spring by Rachel Carson</p> <p>Almost Like A Whale by Steve Jones</p>
Websites	<p>http://www.bbc.co.uk/nature/</p> <p>http://www.bbc.co.uk/radio4/programmes/genres/factual/scienceandnature</p> <p>http://www.newscientist.com/</p> <p>http://www.guardian.co.uk/science</p>

Pre-AS Biology 2012 Summer tasks:

Try to do **at least 4** of the following as preparation for your AS biology course:

- Read the final chapter of the "*Origin of Species*" by Charles Darwin and summarise the key points as an A3 mind map.
- Produce a timeline for developments in genetics since the 1953 discovery of the structure of DNA by Watson and Crick.
- Read "*The Greatest Show on Earth*" by Richard Dawkins and prepare a PowerPoint presentation on one chapter of interest to you for a seminar.
- Research the risk factors in "CVD" using only web-based sources of information. Write an A4 summary, correctly acknowledging all sources of information in a bibliography.
- Write a 1000 word essay on, "The biological importance of water to all living organisms." Include relevant diagrams and remember to acknowledge any sources in a bibliography.
- Listen to a radio 4 science podcast (e.g. Attenborough Life Stories) and write a short one side of A4 summary on it.
- Visit the Natural History Museum's Darwin Centre during the school holidays write a short article for publication in the school magazine summarising the current research being undertaken.
- Produce a short animated film explaining mitosis and meiosis.

2. Chemistry

Core Reading	<p>Read through the C3 section of the GCSE revision guide. Complete the matching work book pages.</p> <p>Purchase the CGP 'Head Start to AS Chemistry' guide.</p> <p>Concentrate on the 'mole' calculations, as we will be starting these in September.</p>
Additional Reading	<p>A-level textbook - Chemistry in context Old versions are still valid and an excellent source of reading material.</p> <p>Reading sections of any other A-level textbook would be useful. Concentrate on atomic, electronic and molecular structures.</p>
Websites	<p>The Royal Society of Chemistry website provides lots of useful information http://www.rsc.org/Education/SchoolStudents/index.asp</p> <p>http://www.chemguide.co.uk</p> <p>http://www.creative-chemistry.org.uk/alevel/</p>

3. Computing

One or two pieces of core reading/research (give chapters, sections as appropriate)	Portal → AS Computing → Pre-Course Material In this folder there are lots of little programming challenging from the very simple to the more challenging. Have a go at a few!
Extra challenges	Battleships Snakes and Ladders
Any websites which would be particularly helpful (or which the students will be using regularly)	Kid's Corner on the Microsoft Website (http://msdn.microsoft.com/en-us/beginner/bb308754.aspx) or follow the link Learning Basic on the Computing & ICT Portal The Kid's Corner has lots of very useful resources to introduce A Level students to programming

Additional tasks

Downloading Visual Basic

Students should download Visual Basic 2008 Express Edition (<http://www.microsoft.com/express/downloads/>) onto their home computers and use the resources from the Kid's Corner to practise their programming skills. Good luck!

4. Design & Technology - Electronics

All are available from PHM

Core Reading	AQA website Electronics specification http://store.aqa.org.uk/qual/gce/pdf/AQA-2430-W-SP.PDF Please look at the Unit 3 (AS) and Unit 6 (A2) for information about selecting a coursework project.
Additional Reading	OCR Electronics For AS Michael Brimicombe Hodder Education OR OCR Electronics For A2 Michael Brimicombe Hodder Education
Websites	Revisomatic

Course Introduction Tasks 2012.

Follow the link below.

<http://www.ikes.freereserve.co.uk/ELEC1/introelec.zip>

Use highlight pens to show topics you **fully understand** or **do not know at all**.



Follow the link below and take the test.

<http://www.ikes.freereserve.co.uk/online/initial/initial.htm>



Follow the link below and take the test

<http://www.ikes.freereserve.co.uk/online/induct/induct.htm>



You should still be registered for Revisomatic. Send me an email martinp@poolegrammar.com and I will make you a member of AS2012 group. Undertake the tasks set for this group.



The support book for Unit 1 is on the portal but can be downloaded from the following link.

<http://www.ikes.freereserve.co.uk/ELEC1/introelec.zip>

Start to read and make notes the introductory chapters from the book.

5. Design & Technology - Graphics

Pre-Course Tasks	<ol style="list-style-type: none"> 1. Write a case study on an item of what you consider to be 'bad packaging', highlighting use of materials and industrial techniques, discussing form and function, etc. Useful website http://designmuseum.org/discoverdesign/ 2. Re-design the packaging addressing all the issues you highlighted above. Produce a page of busy initial ideas, sketching out as many different solutions as you can. On a new page, develop a final design that displays all your best rendering and 3D drawing skills.
Core Reading	<p>Edexcel A Level Design and Technology for Product Design: Graphic Products, Publisher: Heinemann ISBN-10: 9780435757793 ISBN-13: 978-0435757793</p>
Additional Reading	<p>Consumer Kids: How big business is grooming our children for profit Publisher: Constable ISBN-10: 1845298802 ISBN-13: 978-1845298807</p>
Websites - coursework	<p>http://paperforest.blogspot.com/2007_04_01_archive.html http://www.hse.gov.uk/printing/index.htm http://www.incpen.org/ http://www.lovelyasatree.com/ http://www.valpak.co.uk/nav/page1645.aspx http://www.bsi-emea.com/Food+Safety/Standards/BRC+Packaging.xalter http://www.packaging-int.com/categories/testing-packaging/quality-control-testing-packaging-force.asp http://www.ppic.org.uk/</p>
Websites for inspiration	<p>http://www.thecoolhunter.co.uk/ http://www.cooldesignideasblog.net/ http://www.coolhunting.com/ http://design.spotcoolstuff.com/ http://coolmaterial.com/ http://www.graphics.com/ http://www.youthdesigner.com/category/inspiration/ http://vi.sualize.us/ http://www.makezine.com/ http://www.instructables.com/index http://www.core77.com/ http://gizmodo.com/</p>

6. Design & Technology – Product Design

Prior to commencing studies for the Design and Technology product design A level, students are required to carry out some preparatory reading and studies so they commence the course with a body of appropriate knowledge and understanding. **Students also need to become aware of the differences between the GCSE and A level course.**

The correct AQA examination board title for the course (from www.AQA.org.uk):

Qualification type	A-level
Specification title	Design and Technology: Product Design (3-D Design)
Course type	Full Course
Specification code	2550
Classification code	9080

Students will need:

- An A3 folder for the coursework element
- An A4 exercise/ sketch book and folder/file to make and keep written notes/handouts/past papers in. Good organisation and note taking is essential.
- To make good use of ICT especially CAD/CAM
- Their **own lab coat** (obtain a new one if required) and suitable writing/drawing equipment.
- All the above **must be brought** to every Design & Technology lesson

Expectations of students:

- To attend **every** Design & Technology lesson **on time** or provide valid reason as to why they weren't there
- Respect the Design & Technology area and all equipment
- To be organised and seek to expand their understanding of the subject
- Be responsible for the security of their work (e.g. backups of ICT work and keeping practical work safe)
- To **credit** ALL sources used and not to engage in unfair practice –this includes cutting and pasting from the internet without justification (**important**)

Preparation tasks (can be done in any order):

Although some tasks require reading, most require some notes and evidence to be gathered so it can be referred to later during the course.

- Take some time to read over the A level specification and course details from the AQA website here: http://web.aqa.org.uk/qual/gce/technology/dt_product_3d_overview.php?id=07&prev=07.
- Search for and read up on the development of the Dyson vacuum cleaner and James Dyson himself.
- Investigate at (Clive) Sinclair –chose 2 notable products that he designed, for example the 'C5' and the 'ZX Spectrum' and compare/discuss their success.
- The Solidworks CAD software is available free to students to download from Poole Grammar School by following this link: <https://portal.poolegrammar.com/Subjects/dt/Documents/CAD/Solidworks-StudentEdition.doc>. Explore and become more familiar with designing and modelling products with the 'Solidworks' CAD package as the ability to design and model representations of products with this software will be important during A level studies. . A comprehensive range of tutorials can be found online here: <http://www.solidworkstutorials.com/>
- Obtain a book from the school/local library (you may need to place an order) about:
 - Design for the 21st Century (Taschen 3-8228-2779-7)
 - Philippe Starck,
 - Alessi

- Find out about the timeline (dates), examples, 'ethos' and notable designers of the following design movements. There is a simple powerpoint available on the portal to introduce this (<https://portal.poolegrammar.com/Subjects/dt/Documents/Design%20Styles%20and%20process/History%20of%20Design.ppt>)
 - Arts & Crafts,
 - Art Deco,
 - Art Nouveau
 - Bauhaus
 - De Stijl
 - Memphis
 - Soft tech
 - High tech.
- Research 'ergonomics' and find at least two examples of products that are 'soundly designed (comfortable to interact with). There is starting information from the Health and Safety executive here: <http://www.hse.gov.uk/pubns/indg90.pdf>
- Start to consider/investigate opportunities for design (project ideas). These usually come from a problem/context or situation. Also, consider possible clients/end users for products.
- Find the name of a local (ideally):
 - Wood supplier /timber merchant
 - Plastics supplier
 - Metal supplier

Using the above information, create for your own use, a 'mini directory' of material/component suppliers of possibly new and recycled items. It is essential the suppliers are as local as possible and can deliver. Also, collect from appropriate showrooms/suppliers (with permission) a selection of product brochures and catalogues that may be useful reference in studying/designing products.

In summary -for success with A level Design & Technology students need to:

Understand the mark schemes:

Use the available coursework mark scheme to ensure the work is appropriate. Also use it to complete the Candidate Record Form (CRF)

Make use of past papers and exam board guidance:

Use sample/past papers and make your own questions to teach how the mark scheme is applied. E.g. 3 properties and explanations for 6 (3x 2) marks.

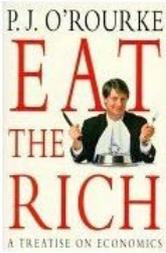
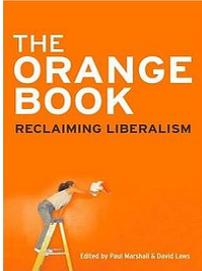
Product Analysis:

Learn the skill of analysing products to determine selection of materials/components for product function, aesthetics, and manufacture. – Use available video such as www.technologystudent.com, Focus software, even www.youtube.com for videos of making processes

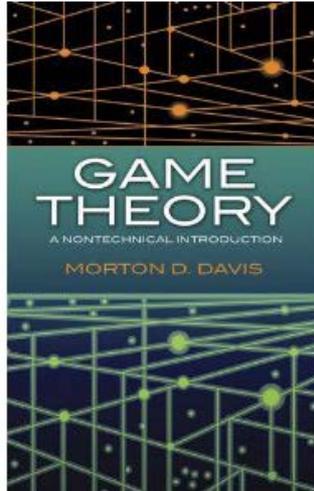
Be Organised:

*Stay on top of the paperwork, **A level IS MORE DEMANDING than GCSE.** The CRF (candidate record forms) need to be properly filled in and used when given out as this allows opportunities' for staff to annotate work and progress.*

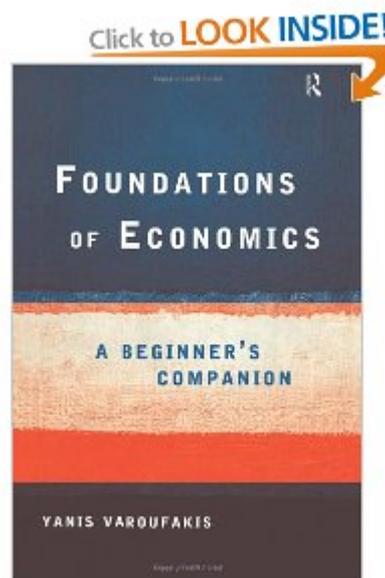
7. Economics /Business Studies

<p>Core Reading</p>	<p>The core reading will be the digital textbooks on the portal:</p> <p>R:\Subject Resources\Economics\AS Economics digital textbook\Print PDF Versions\AS Markets.pdf</p> <p>R:\Subject Resources\Economics\AS Economics digital textbook\Print PDF Versions\AS Market Failure.pdf</p> <p>R:\Subject Resources\Economics\AS Economics digital textbook\Print PDF Versions\AS Macro.pdf</p>
<p>Additional Reading</p>	<p>There is no need to purchase the following books; please use the Dorset Library service to order them. Some of these books are expensive use your Poole or Dorset library card that is what it is for!</p> <p>Wider reading:</p> <p>'The undercover economist' How economic principles can be applied to everyday problems</p>  <p>'Eat the Rich' P J O'Rourke An amusing explanation of economic principles</p>  <p><i>The Orange Book: Reclaiming Liberalism</i> (ISBN 1-86197-797-2) An up to date and topical read on the likely direction of UK economic policy.</p> 

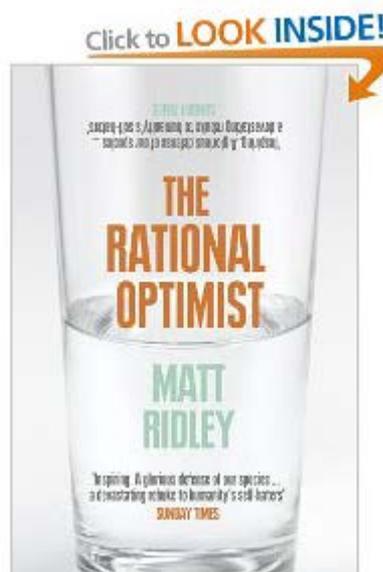
A good introduction to this interesting and stimulating science of human behaviour



What it says on the tin



Things are never as bad as they seem



	<p>Please see me if there are any other books you would like to read in this subject area (there are too many to list).</p> <p>Reading a quality daily newspaper is probably the single best regular use of your own time in studying subjects such as Economics, Business and Politics.</p>
Websites	<p>Links to useful websites are embedded in the digital textbooks above. There also many resources and links on the subject area of the portal.</p>
Tasks	<ol style="list-style-type: none"> 1. Maintain a notebook which details reading of newspapers; watching/listening to relevant news programmes/documentaries etc. 2. Track key economic data and analyse changes in the economy; create an excel spreadsheet that shows these changes ; then write 250 words on your view of what will happen to the UK economy in 2013

8. English Language

Core Reading	The Mother Tongue – Bill Bryson The Cambridge Encyclopaedia of the English Language – David Crystal (The above books should be “dipped into” perhaps a chapter at a time, rather than read from beginning to end) Any and all texts in everyday life – back of the cereal packet, adverts, train tickets, newspapers, etc.
Additional Reading	The Story of English - Robert MacNeil , Robert McCrum and William Cran Made in America – Bill Bryson
Websites	www.universalteacher.org.uk http://www.bbc.co.uk/history/british/launch_tl_ages_english.shtml

Additional tasks:

1. Collect a variety of texts from around your house (e.g. newspaper article, advert, recipe, letter, leaflet, song lyrics, back of a cereal packet, DVD player manual, magazine article, an email, etc.) and begin to consider the common features that some of them share. Think about the type of **language** used, the **layout/design**, the **structure** of the text, who the **audience** might be, what the text’s **purpose** is, and its **genre**. Make notes on each and stick them all in a scrapbook.
2. Brush up on your grammar. There are many different websites you can look at for tutorials but start with <http://www.bbc.co.uk/skillswise/english>. Work your way through the different ‘word grammar’ and ‘sentence grammar’ sections, reading the fact sheets, completing the work sheets and taking the quizzes.

9. English Literature

Core Reading	Shakespeare – <i>Macbeth</i> or (if you've already studied this) <i>King Lear</i> Chaucer – <i>The Merchant's Tale</i> (in translation)
Additional Reading	American Drama – <i>A View from the Bridge</i> (Miller) Nathaniel Hawthorne - <i>The Scarlet Letter</i> The poetry of Walt Whitman The British Novel – <i>Pride and Prejudice</i> (Austen) or <i>Wuthering Heights</i> (E Bronte) 20 th Century Literature: <i>Wise Children</i> (Angela Carter) <i>High Windows</i> (Philip Larkin) Any winner of the Booker Prize
Websites	www.Englishbiz.co.uk www.universalteacher.co.uk http://aspirations.english.cam.ac.uk/converse/home.acds http://www.literature-study-online.com/

Additional tasks:

1. Research The Globe Theatre online, and write a list identifying what would be the same and what would be different if you saw a Shakespeare play when it was first performed and today.
2. Go to www.villierspark.org.uk, click on "Inspiring Excellence Programme" and then "Online Extension Activities", Choose "English Literature" then work through Unit 3 - directing Shakespeare.
3. On the same website, work through Unit 1 - New York, New York - navigating the city.

10. Geography

<p>Core Reading and introduction to the units of study in the Autumn term</p>	<p>The Geographical Magazine is the magazine for the Royal Geographical Society and is published every month. It has lots of interesting articles about newsworthy geographical events. It is available in WH Smiths or you can join online. The Royal Geographical Society web site will also direct you to sources of additional reading</p> <p>Follow Geographicalmag on Twitter as well</p> <p>Geography review and the National Geographic publish journals with interesting articles on the latest thinking about rivers and rivers management and deserts and desert environments.</p> <p>'Flooding in the UK'</p> <p>Google BBC special reports on floods and there are articles on the Pakistan floods, the Queensland floods, the recent Somerset floods and so on.</p> <p>http://www.s-cool.co.uk/a-level/geography/river-processes-and-management</p> <p>http://www.geographypages.co.uk/rivers.htm</p> <p>http://www.42explore.com/rivers.htm</p> <p>www.environmentagency.co.uk/floods</p> <p>www.econet.org.uk/weather/floods</p> <p>www.floodward.co.uk</p> <p>Produce two sides of investigative writing focussing on river flooding in the UK in the last 5 years. Identify causes , long and short term impacts of at least two specific flood events and discuss the effectiveness of flood management strategies that are in place or have been put in since the flood.</p> <p>DO NOT study Boscastle. Include maps and annotated photographs where appropriate.</p> <p>Introduction to deserts.</p> <p>http://geography.about.com/od/physicalgeography/a/deserts.htm</p> <p>http://www.ucmp.berkeley.edu/exhibits/biomes/deserts.php</p> <p>BBC- Earth News:Deserts of the World</p> <p>www.mapsofworld.com</p> <p>www.intute.ac.uk/worldguide/guide_deserts</p> <p>www.mbgnet.net/sets/deserts</p> <p>Produce a two sided case study of a chosen desert area, including a map to show its location, annotated photographs to identify its chief characteristics. This could include geo tagging a photograph from Google earth. Produce a fact file of its size, main land marks, settlements and so on and also a written account of how the desert is used , the pressures and subsequent land management that is evident.</p> <p>Both of these pieces of work should be structured using key questions as side headings and thus avoid cutting and pasting. Both should include a bibliography of sources of information used in the work.</p>
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Additional Reading	Find 5 newspaper cuttings – not from the Internet that focus on 'Geography in the News' Any contemporary topic that will be of interest and worthy of class discussion in the Autumn term.
Wider reading – These books will also be of interest to geographers. They will not be assessed but are just a little insight to how Geography affects our reality and our fiction!	Joe Simpson (1998) Touching the Void Sebastian Junger (2006) The Perfect Storm Al Gore (2006) An inconvenient Truth Tim Flannery The Weather Makers Craig Leland Childs (2002) The Desert Cries Bill Bryson (1996)Notes from a small Island George Orwell (2001)The road to Wigan Pier Joe Benett (2010) Hello Dubai; Skiing Sand and Shopping in the World's Weirdest City Raymond Barret (2010) Dubai Dreams. In the Kingdom of Bling Tim Butcher (2008) Blood River Jonathan Watts (2010) When a billion Chinese jump Khaled Hosseini (2008)A Thousand Splendid Suns John Le Carre The Constant Gardener Andrea Levy (2009)Small Island Maria Lewycka (2006) A Short History of Tractors in the Ukraine Nicholas Crane(2007) Great British Journeys Jan Zalasiewicz (2010) The Planet in a Pebble

Additional tasks:

Please complete the following tasks to ensure that you are able to hand them in during the first lesson on your return

1) Investigating Local Planning Issues

Use the Poole.gov.uk web site to find out about a local planning issue - maybe it is to do with a housing development or a new facility for our area. Complete a two sided investigative report outlining what the planning proposals are and how the planning mechanism works.

2) Britain's weather and climate

Explore the Met office web site and produce a two sided report on The British Weather and Climate. What have been the recent trends in sunshine hour's patterns of precipitation, storm events and so on. What is it like, how and why does it vary so much? Include maps and diagrams where appropriate.

11. Geology

Suggested preparatory activities	<ul style="list-style-type: none"> • Go fossil hunting at good local spots like Charmouth or Kimmeridge • Collect some different looking rocks and describe how they are different (e.g. composition, relative weight, hardness, way they reflect light) • Visit a museum with a good natural history section and study the rocks, minerals and fossils on display • Visit the websites below and write a short summary of something interesting that you discover
Core Reading	<ul style="list-style-type: none"> • A Short History of Nearly Everything (Bill Bryson) (A really nice beginner's guide. Covers basic geology in context of the planet and its significance to us).
Additional Reading	<ul style="list-style-type: none"> • Earth: An Intimate History (Richard Fortey) • A hefty tome. Try the libraries first. • The Map that Changed the World (Simon Winchester) • The Seashell on the Mountain top (Alan Cutler) • The Man Who Found Time (Jack Repcheck) • Great Geological Controversies (A. Hallam) • Wonderful Life (Stephen Jay Gould) • Geological Science (McLeish) Available in the library.
Websites	<p> http://geology.com/ http://www.discoveringfossils.co.uk/ http://www.guardian.co.uk/science/geology http://www.bgs.ac.uk/ http://www.usgs.gov/ </p>

12. History

All are available from SGP

Core Reading	Blinkhorn, M. <u>Mussolini and Fascist Italy</u> pp.2-5 Scott-Baumann, Michael <u>Years of Expansion</u> Chapter VII
Additional Reading	Clark Martin <u>Modern Italy 1871-1995</u> Boxer, Andrew <u>The Rise of Italian Fascism</u> (ISBN 945.09) pp.6-11 Robson, Mark <u>Italy : Liberalism and Fascism 1870-1945</u> (ISBN 945.09) pp. 14-29 Abbott, BH <u>Gladstone and Disraeli</u> Chapters 1 and 2 Adelman, Paul <u>Gladstone, Disraeli and Later Victorian Politics</u> Part One
Websites	HistoryToday.com (see SGP for log on details) www.victorianweb.org Fascist sites too variable (and dangerous to recommend)

Additional tasks:

- Italy: How and why did Italy come to be unified by 1870?
- Britain: How was Britain ruled before 1832? And then how did this change between 1832 and 1867?

13. History - Ancient

This list contains a number of particularly relevant books on the topics that will be covered under the two AS modules that will be taught at Poole Grammar School (Sparta and Rome). It is not necessary for students to purchase any of these books although buying one or two would prove beneficial. The books highlighted in bold are ones to consider if you wish to purchase a book.

Rome

'From the Gracchi to Nero: History of Rome from 133 B.C. to A.D. 68' by Scullard, H (ISBN 978-0415025270)

'The Roman Republic' by Crawford, M (ISBN 978-0006862505)

'Rome in the late Republic' by Beard, M (ISBN 978-0715629284)

'The Roman Revolution' by Syme, R (ISBN 978-0192803207)

'Roman Lives: A Selection of Eight Lives' (Oxford World's Classics) (ISBN 978-0199537389)

'Sallust Catiline's War, The Jugurthine War, Histories: with The Jugurthine War' (Penguin Classics) ISBN (978-0140449488)

Sparta

'On Sparta' by Plutarch published by Penguin classics (ISBN 978-0140449433)

'Spartans : A New History' (ISBN 978-1405130004)

The Peloponnesian War: Athens and Sparta in Savage Conflict 431-404 BC by Kagan, D (ISBN 978-0007115068)

Spartans : An Epic History by Cartledge, P (ISBN 978-0330413251) – A copy of this will be loaned out for the duration of the AS course

Thermopylae by Cartledge, P (ISBN 978-0330419185)

Suggested research tasks to undertake in preparation for AS study:

- How successful was the Spartan army in enabling Sparta to dominate in the Greek world?
- Who was the most successful Spartan leader (military or political) of Sparta from 720 – 360 BC)?
- What were the main causes of the collapse of the Roman Republic?
- How influential was the career of Cicerone?

14. Mathematics

There will be a Y11 A-level day, Monday July 2 for all external and internal students who have applied to do Maths at Poole Grammar.

The books are classified as:

- Puzzles and Problems
- Mathematics and its History
- Going beyond the syllabus

In addition, we provide some further ideas to extend mathematical knowledge after the book lists.

Puzzles and Problems

Cabinet of Mathematical Curiosities	Ian Stewart		Y11, Y12 and Y13
Mathematical Carnival	Martin Gardner		Y11, Y12 and Y13
How long is a piece of string?	Rob Eastaway and Jeremy Wyndham		Y11, Y12 and Y13
Mathematical Gems I II and III	Ross Honsenberger		Y12 and Y13
1081 and all that; A journey into Mathematics	David Acheson		Y11, Y12 and Y13
More Puzzles and Diversions	Martin Gardner		Y11, Y12 and Y13
Why do Buses come in Threes?	Rob Eastaway and Jeremy Wyndham		
The Drunkard's Walk	Mlodinow		
Alex's Adventures in Numberland			Y8 and above
The Number Devil	H M Enzensberger		Y8 and above

Mathematics and its History

Journey Through Genius	William Dunham	0-14-014739-X	Y11, Y12 and Y13
Mathematics: The New Golden Age	Keith Devlin	0-14-025865-5	Y11, Y12 and Y13
The Mystery of the Aleph	Amir D. Aczel	0-7434- 2299 -6	Y11, Y12 and Y13
Men of Mathematics	Eric Temple Bell	0-671 62818-6	Y11, Y12 and Y13
Euler- The Master of us All	William Dunham		Y12 and Y13
Number Theory and its History	Oystein Ore	0 486 65620 -9	Y12 and Y13
Relativity for the Layman	James A Coleman		
Fermat's Last Theorem	Simon Singh		Y11, Y12 and Y13
E = MC ² The biography of the world's most famous equation	David Bodanis		Y11, Y12 and Y13
The Art of the Infinite	Robert and Ellen Kaplan		Y11, Y12 and Y13
Zero: The Nothing that is	Robert Kaplan		Y11, Y12 and Y13
The Music of the Primes	Marcus du Sautoy		Y11, Y12 and Y13

Going Beyond the Syllabus

Numbers and proofs	R. B. J. T Allenby	034067653	Y12, Y13
Introduction to Number Theory and Inequalities	C. J. Bradley; A UKMT Publication	0953682382	Y12, Y13
Crossing the Bridge	Gerry Leversha; A UKMT Publication	978 1906061063	Y11, Y12, Y13
The Code Book	Simon Singh		
In Code	Sarah Flannery	1861972717	Y11, Y12 and Y13
Excursions in Calculus;An Interplay between the continuous and the discrete	Robert M. Young		
Maxima and Minima without Calculus	Iven Niven		

Other ways to extend Mathematical knowledge

- [Nrich website](#)
- [Plus magazine](#): An online magazine full of articles to connect mathematics with real life, careers and other subjects
- The Society of Young Mathematicians: Annual fee around 10.00 for five magazines per year of "Symmetry Plus"
- Cambridge Assessment Website: STEP problems and past papers; go to the student section and download Steven Siklos book of problems and solutions

Additional Tasks:

- Research a podcast on [The MathsFaculty.org](#). Write a summary of your learning.
- Work through the AQA IGCSE booklet as A-level prep. All internal students who have opted for A-level should have one but they must be issued to all external students.
- Use the excellent site, [examsolutions](#) to watch podcasts on A* GCSE topics and write a resume to summarise your learning.
- The [student portfolio](#) has been updated and is now in the Sixth form pupils area. Click the link to find it.
- Mathematics is a useful subject to study, it opens up careers, helps with other subjects and is just fascinating in its own right. For example:
enter this in Google
$$\sqrt{x*x+y*y}+3*\cos(\sqrt{x*x+y*y})+5$$

and use an online graph package to explore it.

15. Media Studies

Core Reading	Visit imdb.com/chart/top Watch as many of the top 30 films as you can. For each film, think about <u>why</u> it was included in this list.
Additional Reading	Choose 3 different genres of TV programmes (police shows, hospital dramas, sitcom etc.). Jot down features that indicate the genre of the show (music, visual effects, editing etc.).
Websites	www.mediastudies.com (esp. the UK section) www.mediaknowall.com

Additional Tasks:

1. Make a collage of magazine adverts promoting a particular product (cars, perfumes etc); then around the collage make notes on what the adverts have in common, who they appeal to and particular features of the images.
2. Go to www.villierspark.org.uk, click on "Inspiring Excellence Programme" and then "Online Extension Activities", choose "Media", then work through Activity 2 - Reading an Advertisement.
3. On the same website, work through Unit 5 = Investigating British Cinema Audiences.

16. Modern Languages

Core Reading	You would be best to read a foreign language newspaper – Le Monde/Figaro in French, Die Welt /Suddeutsche Zeitung in French, El Pais in Spanish. All are available in larger paper shops.
Websites	Use www.bbc.co.uk for news in all three languages (and others). The newspapers mentioned above have their own websites. For purely language activities, www.LanguagesResources.co.uk has grammar, vocabulary and topic-related pages. Keep your own vocabulary book for new expressions you come across.

- You should also try to follow some news bulletins via the websites of French/German/Spanish TV and radio stations. These often have a transcript as well. Try tf1, ndr, and tve for each respective language.
- If you would like some actual reading matter (i.e. a real book!) please ask one of the MFL staff. There is a nice and growing selection in the LRC now and we will be happy to advise.

Tasks

- Summarise, in the target language, 2 articles that you have read from the list above and say why they interested you.
- Watch a foreign language film and review it (c. 200 – 250 words) in the target language.

17.Music

Core Reading	<p>Prescribed Works – Scores & Recordings June 2009 – January 2012 Comprehensive details and scores of these are available from the Music Department</p> <p>Vivaldi – Concerto in E minor for Bassoon & Orchestra Haydn –Symphony No. 103 in E flat “Drumroll” 4th movt. Beethoven – Concerto in D for Violin & Orch. 1st movt.</p> <p>Jelly Roll Morton – Black Bottom Stomp Count Basie – Jumpin’ at the Woodside Miles Davis – So What?</p>
Additional Reading	<p>BBC Music Magazine Past issues available for reading in Music Dept. To be used in conjunction with CD’s (also available)</p> <p>Reimenschneider – 371 Harmonised Chorales by J S Bach</p>
Websites	<p>Naxos Music Library A massive resource of listening. Link is available on the portal/subjects/music/ - including the user ID & password required</p>

18. Physics

Core Reading	<p>1.CGP – Head Start to AS Physics.....A very good preparation for the course and simple to follow [£5 from bookshops or £2:50 from Physics department]</p> <p>2.Collins “PHYSICS” – Dobson Grace and Lovett ISBN-13 978 0 00 726749-1.....An excellent resource for the serious student which will serve you well through to university. Over the summer read the introductions to each chapter in particular Forces Charge and Waves. The course starts with the Mechanics topics.</p>
Further tasks and Additional Reading	<p>1. Use the AQA website shown below to down load copies of past papers and answers from Module 1 and 2. Much of the work is a repeat of topics covered at GCSE and within the scope of students to do some if not all of the questions.</p> <p>2.Visit CERN website to research Particle Physics in particular make a list of all known sub atomic particles and how they were discovered.</p> <p>3.The Top Ten Mysteries of the Universe and Introduction to Particle Physics Power Point presentations. http://education.web.cern.ch/education/Chapter2/Teaching/PP.html</p> <p>4. Visit the Physics section of the school portal and down load your own copy of the Schedule of work. Identify for yourself, using your GCSE revision guide, those topics which have been covered at GCSE and which are familiar to you.</p>
Websites	<p>http://www.kerboodle.com/ try this resource. You will be invited to join for £3 at the start of year 12.</p> <p>http://public.web.cern.ch/public/</p> <p>http://www.aqa.org.uk/ (we follow syllabus A)</p>

19. Politics

Core Reading	<p>It would be helpful to look at basic political ideologies – a good introductory text is <i>Political Ideologies</i> by Philip Heywood.</p> <p>Get into the habit of reading the political section of a 'broadsheet' newspaper, and take cuttings which you think might be useful during the course.</p>
Additional Reading	<p>Books about recent British political history –</p> <p>The End of the Party by Andrew Rawnsley</p> <p>Servants of the People by Andrew Rawnsley (both about the Labour Party)</p> <p>Biographies and autobiographies – recent ones include Peter Mandleson and Tony Blair</p> <p>Political diaries – by Margaret Thatcher, Alan Clark</p> <p>The State We're In – Will Hutton (good all round survey of the modern UK)</p>
Websites	<p>Have a look at the party 2010 Manifestos</p> <p>Conservative Party - http://www.conservatives.com/</p> <p>Labour Party - http://www2.labour.org.uk/home</p> <p>Liberal Democrat Party - http://www.libdems.org.uk</p>
Tasks To Complete	<p>Read at least one chapter of a recent political biography. How reliable do you think it is? (Good to start with recent Labour politicians – Peter Mandleson or Tony Blair)</p>

20. Psychology

Core Reading	Psychology AS text book by Cardwell is excellent or Eysenck AS text book. They can also ask me for back issues of Psychology Review, which they can use over the summer.
Additional Reading	Any books by Oliver James or/and Oliver Sacks- 'the man who mistook his wife for a hat' is an excellent read.
Websites	AQA website for A S is good and will have a lot of links to particular topics in psychology. The school Portal has shared documents/articles etc. Memory experiments can be found on many websites as can overviews of classic psychological investigations- they should type in Milgram/ Zimbardo/Eysenck.

Additional Tasks:

- 1 Design an experiment on the capacity of short term memory- use book/internet to help- run it on family/friends
2. Design a questionnaire into definitions of abnormality. Look at definitions offered and test their relevance- again see book/internet

21. Religion and Philosophy

Core Reading	Cole – Philosophy and Religion Ch. 3 and 4 Cole – Religious Experience Ch 9 P J Clarke – Questions about God Ch 4 Cush – Buddhism Ch 2
Additional Reading	Three papers; Synopsis of Philosophical Development/The Nine Billion Names of God/What is Emptiness

Additional Tasks:

- Research the Allegory of the Cave.... Plato. Summarise the main points.
- Read the God Delusion Richard Dawkins
- Read the biography of the Dalai Lama

22. Sociology

Author	Title	Publisher	ISBN
Browne, K	Sociology for AS AQA	Polity 2008	978 0 7456 41782

The above book is the core text book for the course – our focus will be the chapters on family, health and sociological methods. It also has a useful introduction to Sociology.

Moore, S et al	Sociology AS for AQA	Collins 2005	0071 9564 8
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Haralambos	Sociology: Themes and Perspectives (7 th edition)	Collins	
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This book is extremely detailed used mainly for A2 and graduate level – there are some copies in the library.

Philip Allan	Sociology Review	available quarterly – I can order this for you at a discount price.
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Sociology is constantly changing – so reading a newspaper is vital – if you don't get one add a few of these sites to your favourites and browse.

BBC	www.bbc.co.uk
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The Daily Telegraph	www.telegraph.co.uk
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The Government (for details of social policies, etc)	www.open.gov.uk
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The Guardian	www.guardian.co.uk
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Market and Opinion Research International (MORI)	www.mori.com
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The Observer	www.guardian.co.uk
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Office for National Statistics	www.statistics.gov.uk
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Social Science Information Gateway (Sociology)	www.sosig.ac.uk/sociology
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Sunday Times	www.sunday-times.co.uk
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The Times	www.thetimes.co.uk
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Sociology Central	www.sociology.org.uk
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23. Sports Studies

Core reading	<p>Bevis,P & Murray,M. AQA AS Physical Education (2008) Nelson Thornes.</p> <p>Roscoe D, Davis B, Roscoe J. AS Revise PE for AQA (2010) Jan Roscoe Publications</p> <p>Bizley, K. AQA Physical Education (2009) Nelson Thornes. (It would be good to read a GCSE Text to get background knowledge as the course is a more advanced version of similar material.)</p>
Additional Reading	<p>Clegg, C. Exercise Physiology And Functional Anatomy (1995) Feltham Press</p> <p>Walder, P. Mechanics And Sport Performance (1998) Feltham Press (1998)</p> <p>Burrows, S. Byrne, M. Young, S. AQA AS Physical Education Student Revision Guide (2008) Philip Allan Updates</p> <p>Wiggins-James, N. James, R. Thompson, G. AS PE for AQA (2005) Heinemann</p>
Websites	<p>AQA Website – Follow GCSE - PE - Key material – Question papers and mark schemes. Link below http://web.aqa.org.uk/qual/newgcse/science/current/pe_a_materials.php?id=03&prev=03</p> <p>GCSE Revision site http://www.bbc.co.uk/schools/gcsebitesize/pe/</p> <p>Physiological areas www.pponline.co.uk www.brianmac.co.uk www.sport-fitness-advisor.com www.getbodysmart.com www.innerbody.com</p>

24. Theatre Studies

Core Reading	An Actors work – A student’s diary - Konstantin Stanislavski (trans: Jean Benedetti) Brecht on Theatre - John Willet
Additional Reading	An Actors work - Creating a Role - Konstantin Stanislavski (trans: Jean Benedetti) Free Association - Steven Berkoff The People's Court Jester - Dario Fo