

KS5 Pre-reading list 2020-21



This list of suggested reading is designed to give you an increased confidence in the subject area you have selected and help to give you the best possible start to Level 3 study. We will continue to update this list with new material. Please check the 'News' page of the Sixth Form website for the most up to date document. <https://www.altrinchamcollege.com/sixthformnews>

Biology

<https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/biology/bbr71-head-start-to-a-level-biology>

Business Studies

A LEVEL BUSINESS STUDIES

<https://www.goconqr.com/en/a-levels/resources/>

Text Book: Pearson Edexcel A Level Business by Ian Marcouse, Andrew Hammond & Nigel Watson.
ISBN:9781510452701

Can be purchased via Bookshop Ltd, Park Drive, Milton Park, Abingdon, Oxon OX14 4SE. Telephone: 01235 827827.

<https://www.hoddereducation.co.uk/alevelbusiness/edexcel>

Websites: <http://www.beebusinessbee.co.uk/> <http://www.bized.com/> www.s.cool.co.uk www.tutor2u.net
www.times100.co.uk www.revisionworld.com <https://time2resources.co.uk>
<https://www.senecalearning.com/seneca-certified-resources/business-a-level-aqa/>
<https://www.hoddereducation.co.uk/alevelbusiness/edexcel>

OCR BUSINESS STUDIES

Altrincham College: R Drive Student Area Sixth Form Business Studies <https://www.goconqr.com/en/a-levels/resources/>

Revision book: My revision notes Cambridge TECHNICALS Level 3 Business – Diane Mitchell Dianne Wainwright. Hodder Education

ISBN: 9781510442320

Textbook: Cambridge TECHNICALS Level 3 Business – Tess Bayley, Karen Tullett, Dianne Wainwright, Leanna Oliver. Hodder Education

ISBN: 97814471874796

Can be purchased via Bookshop Ltd, Park Drive, Milton Park, Abingdon, Oxon OX14 4SE. Telephone: 01235 827827.

Websites:

<http://www.beebusinessbee.co.uk/> <http://www.bized.com/> www.s.cool.co.uk www.tutor2u.net
www.times100.co.uk www.revisionworld.com <https://time2resources.co.uk>
<https://www.senecalearning.com/seneca-certified-resources/business-a-level-aqa/>
<https://www.hoddereducation.co.uk/alevelbusiness/edexcel>

Chemistry

SENECA learning

<http://www.a-levelchemistry.co.uk/>

<https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/chemistry/cbr71-head-start-to-a-level-chemistry?c=59994095>

Computer Science

Craig n Dave's You Tube channel or <https://craigndave.org/>

This book: ISBN: 9781910523056, OCR AS and A Level Computer Science (Paperback)
 P. M. Heathcote (author), R. S. U. Heathcote (author)

English Language

Blogs, Twitter & YouTube:

<http://englishlangsfx.blogspot.co.uk/> <http://linguistics-research-digest.blogspot.co.uk/>
<https://twitter.com/EngLangBlog> <https://www.youtube.com/watch?v=Sqklv79KBTw>
<https://www.youtube.com/watch?v=P2XVdDSJHqY>

Articles about language use/language change: <https://www.theguardian.com/science/2019/aug/15/why-its-time-to-stop-worrying-about-the-decline-of-the-english-language>
<https://www.theguardian.com/books/2008/jul/05/saturdayreviewsfeatures.guardianreview>
<https://www.theguardian.com/education/2019/mar/29/ching-wap-ox-slang-interpreters-decipher-texts-for-court-evidence> <https://language-and-innovation.com/2019/06/06/i-ventured-to-love-island-as-you-do/>
<https://www.bbc.co.uk/news/technology-10971949>

Textbook: AQA English Language

English Literature

Obviously you will have your set texts to read, but it would be beneficial and enjoyable for you to read around these. You could read more written by the author or written in the same genre.

Other novels:

Solar, Enduring Love, Saturday by Ian McEwan
 Spies by Michael Frayn
 Catcher in the Rye by J. D. Salinger
 Birdsong by Sebastian Faulks
 A Curious Incident of the Dog in the Nighttime by Mark Haddon
 Outcast by Sadie Jones
 Tess of the D'Urbervilles by Thomas Hardy
 A Handmaid's Tale by Margaret Atwood
 Great Expectations by Charles Dickens
 The Bell Jar by Sylvia Plath
 The Big Sleep by Raymond Chandler
 The Color Purple by Alice Walker
 Frankenstein by Mary Shelley
 A Man Called Ove by Fredrik Backman
 Dracula by Bram Stoker
 The God of Small Things by Arundhati Roy
 Captain Corelli's Mandolin by Louis de Bernieres
 Do Androids Dream of Electric Sheep? by Philip K. Dick
 Things Fall Apart by Chinua Achebe
 The Hound of the Baskervilles by Arthur Conan Doyle
 Life of Pi by Yann Martel
 The Reader by Bernard Schlink
 Snow Falling on Cedars by David Guterson
 Trainspotting by Irvine Welsh

Other

Try to read material from the 'prizes' e.g. The Man Booker prize or the Orange prize
 Try to get into reading a broadsheet newspaper weekly
 Try to read a range of non-fiction writing such as travel writing (Bryson, Palin), autobiography (Long Walk to Freedom by Nelson Mandela), biography etc.

Reference Books

A Dictionary of Literary Terms by Martin Gray
 AQA A Level English Literature B: student book by Adrian Beard
 Doing English by Robert Eaglestone
 How to Write Better Essays by Bryan Greetham
 Oxford concise companion to English Literature by Margaret Drabble and Jenny Stringer
 Pastoral by Terry Gifford
 The Ode Less Travelled by Stephen Fry
 The Poet's Craft by Sandy Brownjohn

Magazines/Journals

· The Times Literary Supplement – a weekly literary review

Coastal Landscapes

Book resources

Eduqas: A-level Geography Student Study Guide (New Specification 2016)

Student Guide 1 - Changing Landscapes; Tectonic Hazards

96pp ISBN – 9781471864063

- Bishop, V., Prosser, R (1997) Landform Systems. London. Collins Educational. ISBN 0-00-326686-9
- Hill, M. (2004) Coasts and Coastal Management. Access to Geography. London. Hodder & Stoughton. ISBN 0-340-84638-0
- Stiff, P. (2007) Coasts. Oxon. Philip Alan Updates. ISBN 978-1-84489-615-8
- Waugh, D (2009) Geography An Integrated Approach Fourth Edition. Oxford. ISBN 978-1408504079
- Raw, M. (2008) AS Geography. Philip Alan. ISBN 9780340947951
- Warn, S. Dunn, C. Holmes, D. Hordern, B. Oakes, S. Witherick, M. (2008) AS Geography. Philip Allan. ISBN 978-0-340-94929-0

Revision materials

- s-cool geography - Coasts
- Geography AS Notes - Coasts
- Coastal Environments revision page A-Level Geography site - Coasts

Online resources

Coasts - General

VIDEO - Coasts introduction: <http://www.youtube.com/watch?v=ZWEJq03NBao>

VIDEO - Winter storms take toll on UK coastline. Some areas suffer years of erosion in few months. <http://www.bbc.co.uk/news/uk-26511229>

VIDEO - [Coasts](#)

Coastal [processes and features](#)

Coastal [landforms and management](#)

VIDEO - Coastal Landforms - [Old Harry, Dorset](#). Part 1

VIDEO - Coastal Landforms - [Old Harry, Dorset](#). Part 2

VIDEO - Coastal Processes - [Longshore drift](#)

VIDEO - Coastal landforms - [Spits](#)

VIDEO - [Coastal Management types](#)

Coastal [management strategies](#)

VIDEO - Holderness coast Case study: <https://www.youtube.com/watch?v=J-VzLG15yMQ>

VIDEO - Growth of Pagham spit. <https://www.youtube.com/watch?v=fug6fc5GqiY>

Pollution risk from over 1,000 old UK landfill sites due to coastal erosion theguardian.com/environment/20...

Ghana's coastal erosion: The village buried in sand bbc.co.uk/news/world-afr...
pic.twitter.com/C3N3aSsFFb

BBC learning clips:

[The formation of a wave-cut platform and a stack are illustrated.](#)

[How caves, arches and stacks are formed at the coastline](#)

[Aerial erosion also has a role to play in the formation of coastal features such as the Bullers of Buchan in Aberdeenshire.](#)

[Coastal erosion at Holderness, East Yorkshire](#)

[At Holderness on the east coast of England, several metres of the coastline can disappear overnight](#)

[Features formed by longshore drift are explained and illustrated.](#)

[The theory of isostasy is illustrated using the town of Stonehaven in Scotland as an example.](#)

Coastal development

VIDEO - Fears for health of Great Barrier Reef: <http://www.youtube.com/watch?v=uS4GCtLs4XY>

Fears Lulworth Cove development could threaten world heritage status
<http://www.theguardian.com/uk/2013/jan/13/fears-lulworth-cove-development-heritage>

VIDEO - Greeks petition against coastal development <https://www.youtube.com/watch?v=u3ywcAf81fA>

Coastal Management

VIDEO - Seaside village of Overstrand consider tourism tax to fund coastal protection measures <http://www.bbc.co.uk/news/uk-england-16794195>

VIDEO - Britain from Above: The disappearing village of Happisburgh <http://abbeyfieldhumanities.blogspot.co.uk/2011/02/disappearing-village.html>

Guyana's coastal population faces threat of sea level rise - Are houses on stilts the answer?
<http://www.trust.org/item/?map=guyanas-coastal-population-faces-threat-of-sea-level-rise/>

VIDEO - 'Holding the line' off agenda as spending cuts threaten east coast sea defences
<http://www.bbc.co.uk/news/uk-england-22771242>

Council stops beach erosion by planting Christmas trees <http://www.dailymail.co.uk/news/article-2539294/Council-stops-sandy-beach-blown-away-planting-Christmas-trees.html>

Good clear summary of hard and soft engineering <http://www.pevensey-bay.co.uk/feature.html> from Pevensey Bay

VIDEO - Coastal defences. Protect or not? Hallsands vs Beesands on South Devon coast: <http://www.bbc.co.uk/news/uk-27921054>

VIDEO - Mangroves: Karachi's natural defence under threat <https://www.youtube.com/watch?v=XtFTckcBDfU>

Urgent coastal protection needed, says National Trust <http://www.bbc.co.uk/news/science-environment-34771511>

VIDEO - Coastal management: Louisiana uses oysters to restore coastline <m.youtube.com/watch?v=Jntn6F...>

VIDEO - BBC News - Can 'soft defences' prevent [#flooding](#) in the UK? bbc.com/news/uk-359032...

Why Ghana needs a new approach to stop the erosion of its coastline theconversation.com/why-ghana-need... [#coasts](#) [#Development](#)

Need a beach management case study? Lots on Dawlish Warren here gov.uk/government/pub... pic.twitter.com/Y3VYV89txi

Coasts – Erosion

Landslip leaves caravans teetering

<http://abbeyfieldhumanities.blogspot.co.uk/2011/11/landslip-leaves-caravans-teetering.html>

VIDEO - CLIFF COLLAPSE: Dramatic coastal erosion in Cornwall <http://www.youtube.com/watch?v=ITv6gSUmTjc>

VIDEO - Scientists use technology to study coastal erosion <http://www.bbc.co.uk/news/uk-15268984>

VIDEO: Coastal erosion at Hallsands - causes and effects <http://www.bbc.co.uk/learningzone/clips/coastal-erosion-at-hallsands-causes-and-effects/9967.html>

VIDEO - White cliffs of Dover fall into the sea: <http://www.youtube.com/watch?v=ljBvJYCEyGk> Additional details: <http://www.bbc.co.uk/news/uk-england-kent-17366396>

Bulldozers move in on cliff-top homes at Happisburgh due to coastal erosion <http://www.bbc.co.uk/news/uk-england-norfolk-17680922>

Villages lost to coastal erosion: <http://www.bbc.co.uk/news/in-pictures-22025150>

VIDEO - Cliff top Devon home going cheap... But there's a catch! <http://www.bbc.co.uk/news/uk-23252455>

VIDEO - Cliff collapse captured: Saturated rock leads to this at Rock-a-Nore near Hastings <http://vimeo.com/83317726>

VIDEO - Hemsby battles coastal erosion threat: <http://news.sky.com/story/1263319/coastal-town-battles-rising-erosion-threat>

VIDEO - Coastal erosion: East Coast beaches 'fast disappearing' <http://www.bbc.co.uk/news/uk-28551480>

VIDEO - Pagham residents call for government help over beach erosion <http://www.bbc.co.uk/news/uk-england-sussex-29542964>

[Coastal erosion](#)

Coastal Flooding

Coastal towns battered by floods - Home News - UK - The Independent

<http://www.independent.co.uk/news/uk/home-news/coastal-towns-battered-by-floods-8215091.html>

Before & after - see how coastline has been changed by [#UKstorm](#) damage

<http://www.bbc.co.uk/news/uk-25639777>

Parts of Britain to be abandoned to the sea after December tidal surge

<http://www.telegraph.co.uk/earth/environment/10592746/Parts-of-Britain-to-be-abandoned-to-the-sea-after-December-tidal-surge.html>

12,000 homes have been built on risky coastline in the last 10 years [geog.gr/1kr8Ci9](#)

pic.twitter.com/jdwDa0okaQ via [@GeographicalMag](#)

As sea levels rise, Rotterdam floats to the top as an example of how to live with water

pri.org/stories/2016-0...

Living with Rising Seas. A series of stories and articles [pri.org/series/living-...](#)

Coastal flooding and sea level rise maps. Enter chosen location and see potential impact

sealevel.climatecentral.org pic.twitter.com/qEsO6pVNaz

Book resources

Eduqas: A-level Geography Student Study Guides (New Specification 2016)

Student Guide 2 - **Changing Places**

96pp ISBN - 9781471864056 Cresswell, T. (2014) *Place: An Introduction*, 2nd Edition. Wiley-Blackwell.

<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-0470655623.html>

Hill, M. (2003) *Rural Settlement and The Urban Impact on the Countryside*. Hodder and Stoughton.

Hill, M. (2005) *Urban Settlement and Land Use*. Hodder Murray: London.

Holloway, L. & Hubbard, P. (2001) *People and Place: The Extraordinary Geographies of Everyday Life*. Harlow: Prentice Hall.

<http://www.amazon.co.uk/People-Place-Extraordinary-Geographies-Everyday/dp/0582382122>

Hubbard, P. & Kitchin, R. (2011) *Key Thinkers on Space and Place*. 2nd Edition, London: Sage Publishing.

Massey, D. (2005) *For Space*. London: Sage Publishing. https://selforganizedseminar.files.wordpress.com/2011/07/massey-for_space.pdf

Oakes, S., Owens, A & Rawlings Smith, E. (2016) *Changing Places*. Geographical Association: Sheffield.

Witherick, M. & Adams, K. (2006) *Cities and Urbanisation Philip Allan Updates*: Oxfordshire.

- Rawlings Smith, E. Oakes, S. Owens, A. (2016) *Changing Places - Top Spec Geography*. The GA. http://www.geography.org.uk/shop/shop_detail.asp?ID=816
- *Discovering cities series - Bristol*. ([other cities also available](#)) Series editors Peter Fox and Christopher. M. Law. The GA. ISBN 978-1-899085-96-5

- Contemporary Case studies *Cities and Urbanisation* Authors: Michael Witherick & Kim Adams • 111pp • 9781844892204
- Access to Geography *Urban Settlement and Land Use* Author: Michael Hill ISBN: 0-340-88345-6
- An overview of urban geography through the study of the role of cities in the changing world 144pp • 978 0 340 88345 7
- [Contemporary Case studies Rural Development and the Countryside](#) 128pp • 978 1 844 89208 2
- Access to Geography *Rural Settlement and Urban Impact on the Countryside*: Michael Hill Focuses on issues that have changed the countryside through urbanisation and counter-urbanisation 128pp • 978 0 340 80028 7
- WJEC Geography – Student Unit Guide: *Changing Human Environments*. Authors: David Burtenshaw & Sue Warn. ISBN: 978-1-4441-6200-4
- Landmark Geography: *Urbanisation Changing Environments*. Authors: Flint & Flint. ISBN: 978-0007114276
- Waugh, D (2009) *Geography An Integrated Approach* Fourth Edition. Oxford. ISBN 978-1408504079
- Raw, M. (2008) *AS Geography*. Philip Alan. ISBN 9780340947951

BBC clips:

[City-dwelling students describe the urban environment in which they live](#)

[The internet has made it possible for people living in villages to work from home](#)

[Studentification of Swansea Part 1](#)

[Studentification of Swansea Part 2](#)

An interesting website [Cities Outlook 1901](#) "Lessons from cities over the century" has been developed recently.

[A Cumbrian town shows how co-operatively owned businesses can keep remote areas alive and thriving.](#)

[Future cities](#)

[Smart cities](#)

Good, clear overview of Gentrification here beta.tutor2u.net/geography/refer...

21st Century Challenges - [Escape to the city](#)

21st Century Challenges - [Adapting to an urban future](#)

21st Century Challenges - [Wellbeing and cities](#)

21st Century Challenges - [Planning](#)

21st Century Challenges - [Economic growth](#)

[Deindustrialisation jigsaw task](#) taken from [RGS KS5 resources](#)

Cities in numbers: how patterns of urban growth change the world theguardian.com/cities/2015/no...

Changing Places - Britain's first garden town: housing crisis solution or 'dog's breakfast'? theguardian.com/cities/2016/ja...

Urban regeneration and development

VIDEO - #Masdar, Abu Dhabi is working to become the world's first carbon neutral city. Find out how: http://news.bbc.co.uk/1/hi/programmes/fast_track/9695251.stm

VIDEO - Urban regeneration - How the Olympic games transformed Barcelona: <http://www.youtube.com/watch?v=5q1IKZUT5YM> #geography

Is this UK's most gentrified street? <http://www.bbc.co.uk/news/magazine-18394017> #geographyteacher Jun 27, 2012
VIDEO - Improving Bristol's streets with 'posh' graffiti <http://www.bbc.co.uk/news/uk-14600786> Aug 20, 2011

Chippenham development back on table: Residents will be able to have their say http://www.gazetteandherald.co.uk/news/10047355.Chippenham_development_back_on_table Nov 17, 2012

VIDEO: Mexico's housing development where poor people won't live <http://www.theguardian.com/global-development/video/2013/feb/12/mexico-housing-development-video> #geographyteacher Feb 17, 2013

VIDEO - South Korean shanty town turned into arty tourist attraction following revamp: <http://www.youtube.com/watch?v=-VwQIRLPyE4> #geographyteacher Mar 18, 2013

VIDEO: Glasgow high-rise blown up: bbc.co.uk/news/uk-scotland... plus text: dailyrecord.co.uk/news/scottish-...#regeneration May 07, 2013

Mexico City. New building designed to eat smog- equal to use of 1,000 vehicles/day <http://t.co/mV0N8NjtgA> via @cbregreen May 17, 2013

VIDEO - A solution to overcrowding in New York? #microhousing youtu.be/hCSFk6zfSjs #geographyteacher Jun 18, 2013

VIDEO - The #gentrification battle in Vancouver: Widening the gap between the haves and have-nots? <http://www.youtube.com/watch?v=1qOZMLyIDs0> #geographyteacher Jun 25, 2013

10 solutions to the #housing crisis – in pictures <http://www.theguardian.com/artanddesign/gallery/2013/jul/06/architecture-housing-crisis-solutions> #geographyteacher pic.twitter.com/eUjALpyS2B Jul 07, 2013

VIDEO - Modern gentrification example. Brixton, London. <http://www.theguardian.com/uk-news/video/2013/aug/02/alex-wheatle-gentrification-brixton-video>

The winners and losers of the gentrification of London. <http://www.theguardian.com/uk-news/2013/aug/02/london-inequality-house-prices>

Just how smart is Songdo, South Korea's city of the future? <http://www.bbc.co.uk/news/technology-23757738>

VIDEO - Inner city regeneration: Park Hill Phase 1 Sheffield <http://www.bbc.co.uk/news/magazine-24054185>

VIDEO - New York City will host city's largest solar power facility - at former Freshkills Landfill site: http://www.silive.com/news/index.ssf/2013/11/staten_island_will_host_citys.html#yr12urban

VIDEO - Fresh Kills park: How New York is turning landfill to landscape http://content.time.com/time/video/player/0,32068,37913829001_1921226,00.html#waste#urban

VIDEO - Architect uses traditional Islamic designs to make buildings more sustainable in Abu Dhabi:
<http://www.youtube.com/watch?v=7GYN5NSOOhm8> #geographyteacher Nov 20, 2012

Urban regeneration through 'co-housing' schemes <http://www.independent.co.uk/news/uk/home-news/how-to-build-a-house-with-20-friends-families-across-the-country-are-turning-to-cohousing-9279042.html>
#geographyteacher

VIDEO: Urban regeneration due to London Olympics - https://www.youtube.com/watch?v=Mf1n_z7-js

VIDEO: Urban regeneration. Gorbals. Glasgow: <https://www.youtube.com/watch?v=k8LyfpggjhM> May 14, 2014

VIDEO - Y:Cube may offer one solution to the lack of affordable housing in London and other UK cities.
<http://www.bbc.co.uk/news/magazine-27381656> #geography May 14, 2014

VIDEO - Is this the greenest city in the world? <https://www.youtube.com/watch?v=5HYpM2qVjpQ>
#geographyteacher

Deindustrialisation in cities

Changing Places - Shrinking cities and the deindustrialisation of cities in Britain
ess.co.at/URBANECOLOGY/S... #geographyteacher

Urban growth and inequality

VIDEO - Exploring Rio de Janeiro in HD. Cool time-lapse 10K resolution video <https://vimeo.com/119343870>

These are the 10 safest cities in the world according to recent survey of holiday makers -
<http://www.independent.co.uk/news/world/york-beats-bath-and-edinburgh-to-be-named-safest>

Urban patterns and change

VIDEO - What Are The World's Largest Cities? testtube.com/testtubenews/w... #geography
#geographyteacher

How much of a country's population live in the biggest cities? i100.io/oGpEuSa #geographyteacher
pic.twitter.com/FYdWGfcFRk

VIDEO - Metropolis: Human relationships with modern cities aljazeera.com/programmes/alj...
#urbanissues pic.twitter.com/tWlaXMLNRD

Urban issues - General

The world's biggest cities: How do you measure them? <http://www.bbc.co.uk/news/magazine-16761784> #geographyteacher Jan 29, 2012

History

Course: The USA in the 19th century: Westward Expansion and Civil War

Books:

- *Access to History: America: Civil War and Westward Expansion 1803-1890 Fifth Edition, Farmer*
- *An Introduction to American History*, Farmer and Sanders

Other useful resources:

Dawson, I. (1993) *The Tudor Century 1485–1603*
 Doran, S. (1994) *Elizabeth I and Religion 1558–1603*
 Fletcher, A. and MacCulloch, D. (5th edition 2008) *Tudor Rebellions*
 Guy, J. (1990) *Tudor England*
 Guy, J. (2000) *The Tudors: A Very Short Introduction*
 Haigh, C. (1998) *Elizabeth I: Profiles in Power*
 Heard, N. (1992) *Tudor Economy and Society*
 Levin, C. (2002) *The Reign of Elizabeth I*
 Loades, D. (National Archives 2003) *Elizabeth I: The Golden Reign of Gloriana*
 Loades, D. (2003) *Elizabeth I*
 Starkey, D. (2000) *Elizabeth*
 Warren, J. (2008) *Elizabeth I: Meeting the Challenge, England 1541–1603*
 John Guy

[A Level page and links to primary sources](#)

British Library
[Ireland: Propaganda and Plantations – overview and lesson ideas](#)
[Elizabeth and the Spanish Armada – overview and lesson ideas](#)

Timelines TV

Law

A-Level Law is a very academic course and it is important you are aware that it requires significant reading throughout the course including reading handouts, textbooks and legal cases.

1) It is highly recommended that you purchase the 2 course companion course textbooks:

OCR AS/A Level Law Book 1 (Jacqueline Martin, Nicholas Price) ISBN: 9781510401761 Hodder

OCR A Level Law Book 2 (Jacqueline Martin, Nicholas Price) ISBN: 9781510401778 Hodder

These can be purchased from Amazon, Bookshop (tel: 01235827827) or online via Hodder Education

2) For a good read on the state of the criminal justice system the following bestseller books written by the Secret Barrister are highly recommended and also available in audiobook:

The Secret Barrister – author unknown!

Fake Law – author unknown!

3) For a good classic law novel, albeit it the first 3 are based around the USA legal system, the following thriller books are strongly recommended:

The Firm – John Grisham

Compelling Evidence – Steve Martini

To Kill a MockingBird – Harper Lee

Eeny Meeny – M J Arlidge

4) To really get ahead on this course, consider subscribing to this excellent educational magazine from Hodder Education:

A-Level Law Review

5) For legal research and further pre-reading for this course try out the following websites: www.e-lawresources.co.uk www.lawteacher.net www.supremecourt.uk

Maths

This document should help you prepare to start the AQA A-Level Maths course in September. There are three different aspects to this preparation: resources, topic based skills, and problem solving.

Below are some suggestions for what you could do to prepare. Most of these are essential but I've marked the optional ones clearly.

Resources

You will need the physical resources listed below for when the course starts. These should be brought to every lesson so that you can participate fully:

- A folder.
- Folder dividers to organise your work. You will need 15 dividers for the first year and then a further 10 for the second year.
- Lined paper.
- This calculator: Casio Advanced Scientific Calculator FX-991 EX. I've put a link below to this calculator but it's generally available from most places that you can buy calculators (including amazon and supermarkets.) If you're going to purchase it from amazon please make sure you buy the UK version.
<https://www.ryman.co.uk/casio-advanced-scientific-calculator-fx-991ex>

· Once you've got your new calculator you'll need to get used to its new functions. To get used to using the new calculator there's a really handy and comprehensive guide to using it here:

<https://www.drfrostmaths.com/resource.php?rid=262>.

· Websites: There are several websites that you will be expected to use frequently at A-level. Please take the time now to get used to using these.

· Dr Frost Maths o www.drfrostmaths.com

o Use the link below to join the A-level prep group where I'll be setting challenges over the next couple of months. You will also be able to read the guide on the website which explains how you can also use it for independent work. o <http://www.drfrostmaths.com/register.php?cid=43450&passcode=21687>

· Jack Brown Videos o <https://www.youtube.com/channel/UCCgGyPD6MYQcHuMlc-Kv-Uw>

o These are the A-level equivalent of the Corbett videos you are probably already used to.

· Desmos o <https://www.desmos.com/>

o This is lovely website for drawing graphs. It's incredibly useful for checking answers and practising transformations. This website is also available as an app. o <https://learn.desmos.com/graphing> - tutorials on how to use it o OPTIONAL: <https://www.desmos.com/art> - some examples of how it can be used to create pictures

· Geogebra o <https://www.geogebra.org/graphing>

o This is another nice website that is great for geometry problems. o OPTIONAL:
<https://www.geogebra.org/m/NjmEPs3t> - lots of different proof activities using geogebra

Topic based skills

· There are many topics from your GCSE that are key to underpinning Maths at A-Level. You need to feel confident with each of these so that you can access the new work.

· The topics are listed below:

o Index laws

o Surds

o Solving linear equations

o Rearranging formulae

o Factorising quadratics and simple cubics

o Completing the square

o Quadratic formula

o Linear graphs

o Graphs of quadratic functions

o Graphs of cubic functions

o Graphs of exponential functions

o Graphs of reciprocal functions

o Equations of circles

o Circle theorems

o Expanding brackets

- o Transformation of graphs
- o Pythagoras' theorem
- o Trigonometry for right-angled triangles
- o Trigonometric graphs
- o Sine and cosine rules
- o Distance-time and speed-time graphs
- o Converting units
- o Vectors
- o Speed, distance and time
- o Mean, median and mode from tables
- o Range and IQR from tables
- o Histograms
- o Basic probability
- o Probability trees
- o Scatter graphs and correlations

· You will receive a booklet for practising these at a later date but if you'd like to get a headstart I can set you up with access to the online textbook which has GCSE to A-Level bridging sections in it. (If you did this it would be instead of the booklet, not in addition to it.) Email me if you'd like me to set this up for you.

Problem Solving

· Developing your problem solving skills will be something that you will work on throughout your entire life. It is a skill with never-ending scope for improvement and refining these skills is something that true Mathematicians really enjoy.

· There is one activity that I would like you to definitely do but the rest are OPTIONAL.

· UKMT – Intermediate Challenge

o I will be setting you a challenge on Dr Frost Maths that will allow you to develop your problem solving skills and will prepare you for the Team Maths Challenge that we hope to enter next year.

o This activity will appear once you have created your Dr Frost account; it will have a leaderboard associated with it and the top students will be rewarded.

· OPTIONAL – Play “Bridge It” o <https://mei.org.uk/bridgeit>

o This is a game which helps review your GCSE knowledge and develop problem solving skills. It's currently only available in BETA mode which requires Flash Player so would work best on a laptop.

· OPTIONAL – Download the App “A Bundle of Graphs.”

o This is a free app which is available on the App store for Apple and Google play store for Android. It covers lots of different aspects of graph work.

o If you manage to complete this please screenshot it and email me. The first three people to do so will receive a reward.

· OPTIONAL – Download the App “Sumaze.”

o This is a free app which is available on the App store for Apple and Google play store for Android. This is a puzzle app which covers topics such as logarithms and inequalities.

o The three people who have completed most of this will receive a reward in September.

I hope that you will feel well prepared to start A-Level Maths after completing all of these activities and I look forward to starting the course with you in September. My email address is ejs@altrinchamcollege.com. Please use it to email me about any of the items mentioned above or if you have any other questions about the course.

Happy Studying!

Mrs Jones

Advanced maths (Core)

Topic	Video	Practice Questions
Percentage of amounts (calculator)	https://corbettmaths.com/2013/02/15/percentages-of-an-amount-calculator/	https://corbettmaths.com/wp-content/uploads/2013/02/percentage-of-an-amount-calculator-pdf.pdf
Percentage Change	https://corbettmaths.com/2013/03/31/percentage-change/	https://corbettmaths.com/wp-content/uploads/2013/02/percentage-change-pdf.pdf
Expressing as a percentage	https://corbettmaths.com/2012/08/21/expressing-one-quantity-as-a-percentage-of-another/	https://corbettmaths.com/wp-content/uploads/2013/02/expressing-as-a-percentage-pdf.pdf
Compound interest	https://corbettmaths.com/2012/08/21/compound-interest/	https://corbettmaths.com/wp-content/uploads/2013/02/compound-interest-pdf1.pdf
Reverse percentages	https://corbettmaths.com/2013/02/15/reverse-percentages/	https://corbettmaths.com/wp-content/uploads/2013/02/reverse-percentages-pdf.pdf
Averages and range	https://corbettmaths.com/2012/08/02/the-median/ https://corbettmaths.com/2012/08/02/the-mean/ https://corbettmaths.com/2013/12/21/the-mode-video56/ https://corbettmaths.com/2012/08/02/the-range-video/	https://corbettmaths.com/wp-content/uploads/2013/02/averages-and-range-pdf.pdf
Box plots and cumulative frequency	https://corbettmaths.com/2013/05/15/drawing-and-reading-box-plots/ https://corbettmaths.com/2013/05/15/comparing-box-plots/	https://corbettmaths.com/wp-content/uploads/2013/02/cumulative-frequency-pdf1.pdf
	https://corbettmaths.com/2012/08/09/drawing-cumulative-frequency-graphs/ https://corbettmaths.com/2012/08/09/reading-cumulative-frequency-graphs/	
Histograms	https://corbettmaths.com/2012/08/20/drawing-histograms/ https://corbettmaths.com/2012/08/19/finding-	https://corbettmaths.com/wp-content/uploads/2013/02/histograms-pdf2.pdf

	frequencies-from-histograms/ https://corbettmaths.com/2012/08/23/reading-histograms-and-a-gcse-questions/	
Scatter graphs	https://corbettmaths.com/2012/08/10/scatter-graphs/ https://corbettmaths.com/2012/08/10/scatter-graphs-correlation/	https://corbettmaths.com/wp-content/uploads/2013/02/scatter-graphs-pdf2.pdf
Probability	https://corbettmaths.com/2013/06/15/the-or-rule/ https://corbettmaths.com/2013/06/15/probability/ https://corbettmaths.com/2013/05/15/probability-of-not-happening/	https://corbettmaths.com/wp-content/uploads/2013/02/probability-pdf.pdf
Area and circumference of circles	https://corbettmaths.com/2013/12/22/area-of-a-circle-video-40-and-59/ https://corbettmaths.com/2013/12/21/circumference-video-60/	https://corbettmaths.com/wp-content/uploads/2013/02/area-of-a-circle-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/circumference-pdf.pdf
Volume of a cylinder	https://corbettmaths.com/2013/02/15/volume-of-a-cylinder/	https://corbettmaths.com/wp-content/uploads/2013/02/volume-of-a-cylinder-pdf.pdf
Surface area of a cylinder	https://corbettmaths.com/2013/04/04/surface-area-of-a-cylinder/	https://corbettmaths.com/wp-content/uploads/2013/02/surface-area-of-a-cylinder-pdf.pdf
Converting units	https://corbettmaths.com/2014/01/16/metric-units-for-length/ https://corbettmaths.com/2014/01/16/metric-units-for-mass/ https://corbettmaths.com/2014/01/16/metric-units-for-capacity/	https://corbettmaths.com/wp-content/uploads/2013/02/metric-units-pdf.pdf

Physics

New Head Start to A-level Physics (CGP A-Level Physics)

This is currently on Amazon (as well as several others including biology and chemistry totally FREE!!!!!!) (The kindle version and you can read kindle items on a laptop or mobile phone!)

Link:

https://www.amazon.co.uk/Head-Start-level-Physics-Level-ebook/dp/B00VE2NII4/ref=sr_1_4?dchild=1&keywords=start+key+stage+5+physics&qid=1585851219&sr=8-4

<https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/physics/pbr71-head-start-to-a-level-physics?c=14680983>

Psychology

A Level Psychology (Edexcel) <https://studywise.co.uk/a-level-revision/psychology/>
<https://www.revisely.co.uk/alevel/psychology/edexcel/>

Texts - Great Summer Reading (can be ordered via Amazon books online)

Psychological commentary

The Elephant in the Brain: Hidden Motives in Everyday

By Kevin Simler (Author)

The Ten Types of Human: A New Understanding of Who We Are, and Who We Can Be Hardcover – 11 Aug 2016

by Dexter Dias

Blame My Brain – 2 May 2013

by Nicola Morgan (Author)

Prisoner of Infinity: Social Engineering, UFOs, and the Psychology of Fragmentation Kindle Edition

by Jasun Horsley

Textbooks Edexcel Psychology

Edexcel Psychology for A Level Year 1 and AS: Student Book Paperback – 17 May 2018

by Cara Flanagan

Edexcel Psychology for A Level Year 2: Student Book Paperback – 17 May 2018

by Cara Flanagan

Sociology

A Level Sociology (OCR) <https://studywise.co.uk/a-level-revision/> <https://www.s-cool.co.uk/a-level/sociology>

Social commentary

The Book of Awesome Women: Boundary Breakers, Freedom Fighters, Sheroes and Female Firsts Paperback – 10 Aug 2017 by Becca Anderson (Author)

Generation X: Tales for an Accelerated Culture Paperback – 4 May 2017

by Douglas Coupland (Author)

Fahrenheit 451 Hardcover – 28 Mar 2013

by Ray Bradbury (Author)

White Noise Hardcover – 31 Jan 1985

by Don DeLillo (Author)

Textbooks OCR Sociology

OCR Sociology for A Level Book 1 – 28 Aug 2015

by Sue Brisbane (Author),

OCR Sociology for A Level Book 2 – 28 Aug 2015

by Sue Brisbane (Author),

Creative Digital Media

EXTENDED CERTIFICATE:

- Exam preparation: Media Representations reading:

<https://www.google.com/url?sa=t&source=web&rct=j&url=https://www.pearsonschoolsandfecolleges.co.uk/AssetsLibrary/SECTORS/FurtherEducationColleges/ReviseBTEC/samples/9781292150246-btec-cmp-rg.pdf&ved=2ahUKEwiFuuyc17XoAhWaQEEAHd-UDWWMQFjABegQIAxAJ&usg=AOvVaw3X43wu-aqKwXFoYR7FfoJU>

- Exam preparation: Test your knowledge:

<https://www.google.com/url?sa=t&source=web&rct=j&url=https://www.pearsonschoolsandfecolleges.co.uk/AssetsLibrary/SECTORS/FurtherEducationColleges/ReviseBTEC/samples/9781292150239-btec-cmp-rw.pdf&ved=2ahUKEwiFuuyc17XoAhWaQEEAHd-UDWWMQFjAAegQIAxAC&usg=AOvVaw1ooKx73wtLfnpZUxghlyAj>

EXTENDED DIPLOMA:

- 40 Days to Learn Film video

(https://vimeo.com/399407221?fbclid=IwAR0lp1hOZd_-u7aQ7OPCOH2k-ysASvuenrxpSwTbEVJUUhHOKNbAJXO8pCjU)

- Exam preparation: Media Representations reading:

<https://www.google.com/url?sa=t&source=web&rct=j&url=https://www.pearsonschoolsandfecolleges.co.uk/AssetsLibrary/SECTORS/FurtherEducationColleges/ReviseBTEC/samples/9781292150246-btec-cmp-rg.pdf&ved=2ahUKEwiFuuyc17XoAhWaQEEAHd-UDWWMQFjABegQIAxAJ&usg=AOvVaw3X43wu-aqKwXFoYR7FfoJU>

- Exam preparation: Test your knowledge:

<https://www.google.com/url?sa=t&source=web&rct=j&url=https://www.pearsonschooolsandfecolleges.co.uk/AssetsLibrary/SECTORS/FurtherEducationColleges/ReviseBTEC/samples/9781292150239-btec-cmp-rw.pdf&ved=2ahUKEwiFuuyc17XoAhWaQEEAHd-UDWWMQFjAAegQIAxAC&usg=AOvVaw1ooKx73wtLfnpZUxghlyAj>

USEFUL TEXTBOOK FOR CERTIFICATE AND DIPLOMA

<https://www.amazon.co.uk/National-Creative-Digital-Production-Revision/dp/1292150246>

Fashion & production

Fashion Illustration books

Fashion Drawing: Illustration Techniques for Fashion Designers, Michele Wesen Bryant, 2011
 Draw Like a Fashion Illustrator, Robyn Neild, 2015
 Fashion Illustration: Inspiration and Technique, Anna Kiper, 2011

Pattern Cutting/Sewing Books

Dressmaking: The Complete Step-by-Step Guide, Alison Smith, 2012
 The Very Easy Guide to Using Your Sewing Machine, Wendy Gardiner, 2013
 First Time Sewing: The Absolute Beginner's Guide: Learn By Doing - Step-by-Step Basics and Easy Projects, Creative Publishing International, 2014
 The Beginners Guide to Dressmaking: Sewing techniques and patterns to make your own clothes, Wendy Ward, 2014

Fashion Designers

Fifty Fashion Designers That Changed the World: Design Museum, 2015
 The Fashion Book, Caroline Kinneberg, 2016

Fashion Design Books

Fashion Portfolio: Design and Presentation, Anna Kiper, 2014

TV programmes

Next in fashion (Netflix)
 The Great British Sewing Bee
 Project Runway
 Fashion Conscious (BBC iPlayer)

Websites

www.vogue.co.uk
www.anothermag.com/fashion-beauty
www.wmagazine.com/fashion/
https://i-d.vice.com/en_uk/topic/fashion

Sport & Physical Activity

Please follow the link which contains links to pre-reading for each of the units covered in Sport and Physical Activity.

<https://www.ocr.org.uk/Images/122475-resources-links.pdf>

Art & Design

There is no pre-reading list for Art. Task packs are being put together for you to work on and will be available soon.