



**CENTRAL
FOUNDATION**
BOYS' SCHOOL

Year 12-13 Bridging Materials
(A Level)
2020



BRIDGING MATERIALS

Bridging materials will assist you in making the transition into the sixth form. This is the most substantial academic jump you will take, and the demands are significantly elevated. The resources within the booklet will allow you to explore some of the key topics that you will study over the next two years.

You should research all of the **Key Topics** outlined in your chosen subject and produce summary notes on them over the summer, in preparation for the year ahead. This will help you understand the information and help you make a positive start in September. Teachers will be expecting to see these notes on the first lesson of your sixth form studies.

Wider reading and research are integral to success in KS5. Each subject has a **Recommended Reading & Viewing** list. The more of these texts you read, the broader your understanding of the course will be. At GCSE, you needed to understand the set texts; at A-level, you need to go beyond the core curriculum. You will have 6-12 periods of independent study built into your timetable. It is important to begin this process over the summer, so it becomes habitual.

Finally, the **Useful Links** section provides you with further resources to supplement your interest and understanding of your subjects.

A LEVEL SUBJECTS

<u>3D DESIGN</u>	<u>- 1 -</u>
<u>BIOLOGY</u>	<u>- 2 -</u>
<u>BUSINESS</u>	<u>- 3 -</u>
<u>CHEMISTRY</u>	<u>- 4 -</u>
<u>COMPUTER SCIENCE</u>	<u>- 5 -</u>
<u>ECONOMICS</u>	<u>- 6 -</u>
<u>ENGLISH LITERATURE</u>	<u>- 7 -</u>
<u>FINE ART</u>	<u>- 9 -</u>
<u>GEOGRAPHY</u>	<u>- 10 -</u>
<u>HISTORY</u>	<u>- 11 -</u>
<u>LAW</u>	<u>- 12 -</u>
<u>MATHS & FURTHER MATHS</u>	<u>- 14 -</u>
<u>MEDIA STUDIES</u>	<u>- 15 -</u>
<u>PHYSICAL EDUCATION</u>	<u>- 16 -</u>
<u>PHYSICS</u>	<u>- 18 -</u>
<u>POLITICS</u>	<u>- 19 -</u>
<u>SOCIOLOGY</u>	<u>- 20 -</u>
<u>SPANISH</u>	<u>- 22 -</u>

KEY TOPICS – TERM ONE:

Students should pick one of the following contexts to focus on and this will depend on the nature of their current project:

- Constructivism, art, design and architecture
- Modernism, art design and architecture

RECOMMENDED READING & VIEWING:

Constructivism

- *The Russian Avant-Garde: Art and Architecture (Architectural Design Profile, 47)* – Catherine Cooke (1984)
- *The easy guide to design movements: Constructivism* – Creative Bloq:
www.creativebloq.com/graphic-design/easy-guide-design-movements-constructivism-10134843
- *Five graphic design ideas from the Russian Revolution* – Steven Heller:
www.royalacademy.org.uk/article/five-things-graphic-designers-owe-to-russia
- *Constructivism* – The Art Story:
www.theartstory.org/movement/constructivism

Modernism

- *Beginning Modernism (Beginnings)* – Jeff Wallace (2011)
- *What was Modernism?* – V&A Museum:
www.vam.ac.uk/articles/what-was-modernism
- *History of Modernism*:
www.mdc.edu/wolfson/academic/artsletters/art_philosophy/humanities/history_of_modernism.htm

USEFUL LINKS:

- The full specification studied at CFBS:
www.aqa.org.uk/subjects/art-and-design/as-and-a-level/art-and-design/subject-content/three-dimensional-design
- *Modernism: WTF? An introduction to Modernism in art and literature* – What's The Theory?:
www.youtube.com/watch?v=c_pywMFS8G0
- *CLEAN LINES, OPEN SPACES A VIEW OF MID CENTURY MODERN ARCHITECTURE*:
www.youtube.com/watch?v=K_YZbp-MmEo

WRITTEN TASK:

Students are to produce a 1500-word assignment based on one of the contexts above. They will have already been assigned one of these contexts that's relates to their current project.

The assignment needs to be broken up into three main categories:

- An introduction into the design movement
- The main body which should discuss key designers, social and cultural attributes that led the movements. Key characteristics behind the design style referencing key pieces of work.
- There should be an evaluation which should be focused around the student's overall opinions that have been drawn up from thorough research.

The document should be fully referenced and contain images for reference.

There should be a full bibliography and any quotes should be fully referenced. (Use www.easybib.com)

KEY TOPICS – TERM ONE:

- Ecosystems
- Forensics
- Homeostasis
- Genetic Engineering
- Evidence for climate change
- Muscles
- The Brain and Nervous system
- Immunity
- Respiration
- Growth and development

RECOMMENDED READING & VIEWING:

- *Biochemistry: The molecules of life* – Richard Bowater, Laura Bowater & Tom Husband (2020)
- *Darwin for Beginners* – Jonathan Miller & Borin Van Loon (2003)
- *Climate Change For Beginners* – Dean Goodwin (2016)
- *The Human Brain: a Guided Tour* – Susan Greenfield (1997)
- *Very Short Introductions* – Oxford University Press
Series of small books with titles on: the cell, genes, enzymes, ecology, forests, marine & molecular biology
- The Amoeba Sisters: www.youtube.com/user/AmoebaSisters
- Khan Academy: www.khanacademy.org/science/biology
- Professor Fink: www.youtube.com/user/professorfink

USEFUL LINKS:

- The specification at CFBS is Edexcel Spec A (Salters-Nuffield) (there is also a spec B):
<https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/biology-a-2015.html>
- The Biology Place – Pearson:
www.phschool.com/science/biology_place/index.html
- SNAB BIOLOGY – All 18 Core Practicals:
<https://snabbiology.co.uk/category/core-practicals>
- Journal Articles (with some free to read content):
 - The New England Journal of Medicine: www.nejm.org
 - The BMJ (British Medical Journal): www.bmj.com
 - Oxford Academic Journals: <https://academic.oup.com/journals>

WRITTEN TASK:

Choose a topic from the Science Daily sections of Health or Environment: www.sciencedaily.com

Write a report on the topic based on two or three articles that you find in that section. Reference the articles at the end. The report should be around 800-1000 words.

- Example:
- Pick the topic obesity
 - Give background information about what obesity is
 - Write about the studies
 - https://www.sciencedaily.com/news/health_medicine/obesity/
 - e.g. people with high cholesterol should eliminate carbohydrates, school food and environments matter for childhood obesity
 - Then write a conclusion
 - Reference your sources

KEY TOPICS – TERM ONE:

- Theme 3: Business Decisions and Strategy
- Theme 4: Global business

RECOMMENDED READING & VIEWING:Pearson textbook and revision guide:

You now have online access to the Pearson textbook and revision guide.

Log in to www.pearsonactivelearn.com

Your username will be SURNAMEFirstname – e.g. SEERYJohn Or SEERYJohn1

Your password will be: ChangeMe691

*This may be a different login to your Science/Maths account.

- *How I Made It: 40 Successful Entrepreneurs Reveal How They Made Millions* – Rachel Bridge (2010)
- *Shoe Dog: A Memoir by the Creator of NIKE* – Phil Knight (2018)
- Podcast: *How I Built This with Guy Raz* - Guy Raz dives into the stories behind some of the world's best-known companies. *How I Built This* weaves a narrative journey about innovators, entrepreneurs and idealists—and the movements they built.
www.npr.org/podcasts/510313/how-i-built-this?t=1593288912208

USEFUL LINKS:

- The full specification studied at CFBS:
https://qualifications.pearson.com/content/dam/pdf/A%20Level/Business%20Studies/2015/specification-and-sample-assessment-materials/9781446914694_GCE2015_A_BUS_WEB.PDF
- Tutor 2 U – All topics covered with tutorials and activities:
www.Tutor2u.net
- TakingTheBiz – visual, engaging and memorable revision aides with each tutorial focusing on one of the key topics for the Business specifications.
www.youtube.com/channel/UCIJ4pk3uzyWoeoBkGs0hxQ
- Current Business News:
 - BBC: www.bbc.co.uk/news/business
 - The Guardian: www.theguardian.com/uk/business
 - The Independent: www.independent.co.uk/news/business

WRITTEN TASK:Growing Economies 4.1.1 and Covid-19

Questions:

1. What will be the effect of the Covid-19 pandemic on businesses in the UK?
2. How does this compare to the effect on the economies of China, USA and the rest of the EU?
3. What action should the UK government take in order to limit the negative effects on the economy in the long term? Give 3 specific actions
 - a. Show the arguments for and against each action
 - b. Evaluate why the argument in favour is more valid than the argument against.

This task should be completed through independent research. Use the websites listed above and any other reputable source (list them!) to help form your arguments.

At least 1 A4 page is expected for each of these 3 questions – a total of 3 pages of work.

KEY TOPICS – TERM ONE:

Further expansion on the topics covered at AS with new topics also being covered.

- Topic 1: Atomic Structure and the Periodic Table
- Topic 2: Bonding and Structure
- Topic 3: Redox I
- Topic 4: Inorganic Chemistry & the Periodic Table
- Topic 5: Formula, Equations & Amounts of Substance
- Topic 6: Organic Chemistry I
- Topic 7: Modern Analytical Techniques I
- Topic 8: Energetics I
- Topic 9: Kinetics I
- Topic 10: Equilibrium I
- Topic 11: Equilibrium II
- Topic 12: Acid-base Equilibria
- Topic 13: Energetics II
- Topic 14: Redox II
- Topic 15: Transition Metals
- Topic 16: Kinetics II
- Topic 17: Organic Chemistry II
- Topic 18: Organic Chemistry III
- Topic 19: Modern Analytical Techniques II

RECOMMENDED READING & VIEWING:

- *Edexcel A Level Chemistry Student Book 2* – Graham Curtis, Andrew Hunt & Graham Hill (2015)
- *A-Level Chemistry: Edexcel Year 1 & 2 Complete Revision & Practice* – CGP Education (2018)
- *Calculations in AS/A Level Chemistry* – Jim Clark (2000)

USEFUL LINKS:

- The full specification studied at CFBS:
https://qualifications.pearson.com/content/dam/pdf/A%20Level/Chemistry/2015/Specification%20and%20sample%20assessments/A_level_Chemistry_2015_Specification.pdf
- chemrevise - Resources for A-level and GCSE Chemistry:
<https://chemrevise.org>
- A* Chemistry – A Hub of Chemistry Learning:
<http://astarchemistry.com>
- Chemistry Revision on Physics & Maths Tutor:
www.physicsandmathstutor.com/chemistry-revision

WRITTEN TASK:

As an introduction to this unit, your task is to write an essay on the models and reactivity of benzene.

This essay shall be assessed (Total: 20 marks).

Use the points below to structure your essay. Include diagrams and equations where necessary.

- **Intro:** Explain the terms aromatic and Arene. Give two examples of an arene compound. Include their name, structural and chemical formula. (4 marks)
- **Main:** Describe and explain the Kekulé and Delocalised electron model used to depict the structure of benzene. Include diagrams and equations where necessary (12 marks)
- **Summary:** Summarise the importance of benzene and its derivatives through their commercial use. (4 marks)

KEY TOPICS:

- Programming Project is to be complete next academic year
- Unit Topics to be completed next academic year:
 - Structure and function of the processor
 - Input, output and storage
 - Operating systems – systems software
 - Software development
 - Boolean Algebra
 - Ethical, moral and cultural issues
 - Types of processor
 - Virtual storage
 - Application generation
 - Types of programming languages
 - Computer Related Legislation

RECOMMENDED READING & VIEWING:

- *OCR AS and A Level Computer Science Textbook* – PM Heathcote & RSU Heathcote (2016)
[ISBN: 978-1-910523-05-6]
- *Code: The Hidden Language of Computer Hardware and Software* – Charles Petzold (2000)
- *Brown Dogs and Barbers: What's Computer Science All About?* – Dr. Karl Beecher (2014)
- *Computing with Quantum Cats: From Alan Turing to Teleportation* – John Gribbin (2015)
- *Craig 'n' Dave* – videos and resources for the teaching of Computer Science A level:
www.youtube.com/c/craigndave

USEFUL LINKS:

- CFBS A Level Computer Science website – All course slides, programming project help & past exams:
<https://sites.google.com/a/centralfoundationboys.co.uk/a-level-computing-ocr-new-spec>
- Pygame Tutorials on KidsCanCode:
<https://kidscancode.org/lessons>
- General Python Tutorials on PythonProgramming:
<https://pythonprogramming.net>

WRITTEN TASK:

- Programming Project:
 - Complete Analysis, Design and ideally implementation of your programming projects.
 - All resources needed to complete project documentation are on the course website:
<https://sites.google.com/a/centralfoundationboys.co.uk/a-level-computing-ocr-new-spec>
 - These include slides, checklists and past examples of student's submissions.
- Theory:
 - Revise topics completed in year 12 using the resources and past exam questions available on the course website.
 - Year 12 topics:
 - Thinking Abstractly
 - Thinking Ahead
 - Thinking Procedurally
 - Thinking Logically
 - Programming Techniques
 - Computational methods
 - Algorithms

KEY TOPICS – TERM ONE:

Students will go through Theme 3 Micro and Theme 4 Macro, then sit three papers at end of the year. Paper 1 is Micro, Paper 2 is Macro and Paper 3 is synoptic covering everything.

THEME 3: Microeconomic Concepts

- Theory of the firm
- Market structures
- Efficiency of market structures
- Labour markets
- Government intervention

THEME 4: Macroeconomic Concepts

- Globalisation and trade
- Exchange rates
- Inequality and development
- Financial markets and government
- Global context

RECOMMENDED READING & VIEWING:

- *Edexcel AS/A Level Economics: Student book* – Alain Anderton (2015)
- *Essentials of Economics* – John Sloman & Dean Garratt (2016)
- *Intermediate Microeconomics: A Modern Approach* – Hal R. Varian (2010)
- *Macroeconomics* – Olivier Blanchard (2017)
- A Level Economics video resources:
 - Pajholden: www.youtube.com/user/pajholden
 - EconplusDal: www.youtube.com/user/EconplusDal

USEFUL LINKS:

- Tutor 2 U:
www.Tutor2u.net
- Financial Times:
www.ft.com
- Investing.com:
www.investing.com

WRITTEN TASK:

Research booms, recessions, bubbles and shocks.

Make a **PowerPoint presentation** on these events that have happened throughout history.

Look at the causes and the aftermath of these events.

Research at least 5 and put them on to the slides with detail and good presentation.

- Examples: The tulip bubble, the great depression, 1970s stagflation, dot-com bubble, the financial crisis 2007, bitcoin bubble, the novel coronavirus pandemic disease COVID-19 market turmoil.

Here are some links you may use:

- www.tutor2u.net/economics/reference/economics-of-speculative-bubbles
- www.tutor2u.net/economics/topics/market-bubbles
- www.tutor2u.net/economics/topics/asset-bubble
- www.tutor2u.net/economics/collections/housing-market-economics
- www.tutor2u.net/economics/blog/is-the-current-consumer-debt-boom-a-bubble-waiting-to-burst
- www.tutor2u.net/economics/topics/coronavirus
- www.tutor2u.net/economics/reference/coronavirus-pandemic-business-impact-and-business-response

KEY TOPICS – TERM ONE:

In the Autumn term, you will be writing two pieces of coursework. You will choose your own two texts (prose or poetry) and your own title. You will then look at one of the texts you have chosen from a Marxist perspective, and the other from a Feminist perspective. These perspectives are called 'criticisms.'

- Marxist Literary Criticism
- Feminist Literary Criticism

Marxist Literary Criticism comes out of the philosophy of Karl Marx. This philosophy is explained in the book he wrote with his friend and fellow scholar, Engels – *The Communist Manifesto* in 1848. *The Communist Manifesto* was an analysis of society and class. Marxist literary criticism, which comes out of that, looks at what literature reveals about class and society in the era in which it was written.

Feminist literary criticism recognizes that literature both reflects and shapes stereotypes and other cultural assumptions. Thus, feminist literary criticism examines how works of literature embody patriarchal attitudes or undercut them, sometimes both happening within the same work.

RECOMMENDED READING & VIEWING:Compulsory reading material

- *Mother* – Maxim Gorky (1906) - [provided]

In this novel, written in 1906 in Russia, Gorky describes the life of an uneducated woman who works in a Russian factory doing hard manual labour and knowing only poverty and hunger. Her husband is a heavy, violent, drunkard, and leaves all the responsibility for raising their son to her, but then he unexpectedly dies. At first, Pavel seems to be like his father in his drunkenness and violence, but then he becomes involved in revolutionary activities. He soon abandons his drinking and starts to bring political books home. His mother is illiterate and has no political interest, but when she starts to get involved, the story takes a different twist.

- *The Handmaid's Tale* – Margaret Atwood (1985) - [provided]

A dystopian novel by Canadian author Margaret Atwood, published in 1985. It is set in a near-future New England, in a totalitarian state, known as Gilead that has overthrown the United States government.

The Handmaid's Tale explores themes of subjugated women in a patriarchal society and the various means by which these women resist and attempt to gain individuality and independence. The main character, Offred, is a **handmaid** in the Republic of Gilead, a totalitarian and theocratic state in the future that has replaced the United States of America, which has been overthrown. In this dystopian future human reproduction rates have become alarmingly low and so women called **handmaids** are ordered to bear children for elite couples who have trouble conceiving

Other recommended reading (not compulsory)

- *The Soul of Man Under Socialism* – Oscar Wilde (1891)

In this long and engaging essay, Wilde argues that, under capitalism, "the majority of people spoil their lives by an unhealthy and exaggerated altruism—are forced, indeed, so to spoil them": instead of realising their true talents, they waste their time solving the social problems caused by capitalism, without taking their common cause away. Thus, caring people "seriously and very sentimentally set themselves to the task of remedying the evils that they see in poverty but their remedies do not cure the disease: they merely prolong it" because, as Wilde puts it, "the proper aim is to try and reconstruct society on such a basis that poverty will be impossible."

USEFUL LINKS:

- *I May Destroy You* (2020) – BBC iPlayer:
www.bbc.co.uk/iplayer/episodes/m000jyxy/i-may-destroy-you

WRITTEN TASK:

Provide two written tasks of your choice assessing what you have read and watched and what you have learned.

These written tasks may be, for example:

- PowerPoint presentations
- creative tasks of your choice
(e.g. two short stories based on the novels you have read, or an imagined continuation of them)
- critiques/reviews of the two books read, written in the form of essays.

KEY TOPICS – TERM ONE:

- Pupils will begin their second thematic project – a theme of their choice. We will start with initial ideas so pupils will need to take their own photos, sketch and create mind maps in the first few weeks.

RECOMMENDED READING & VIEWING:

- Be Inspired! – Video tours of A* A Level Art Sketchbooks:
 - www.youtube.com/watch?v=jhnAURA6n9I
 - www.youtube.com/watch?v=avQHy6XYZAs
 - www.youtube.com/watch?v=H3DBDd0B0Ow

USEFUL LINKS:

- Student Art Guide:
www.studentartguide.com
- Colossal:
www.thisiscolossal.com
- Photo Pedagogy – Student Sketchbook Examples:
www.photopedagogy.com/student-sketchbooks.html

WRITTEN TASK:

Write a short paragraph answering the following questions:

- Why you chose to study Fine Art at A level.
- What grade you think you are capable of achieving if you work really hard.
- What career options after A levels and possibly university you are considering.
- What piece of work you are most proud of?

- Search (on Google preferably) 'famous abstract artist' - choose an artist you like and explain why you like him/her, then choose one you don't particularly like and explain why. If using Google, you will be able to click on the images of the artists and a small selection of their work will appear.
- Repeat for 'famous portrait artist,' 'famous landscape painter' and 'famous collage artist.'

KEY TOPICS – TERM ONE:

- Hazards – Physical Unit
- Global Systems and Governance – Human Unit

RECOMMENDED READING & VIEWING:

- Chapter 5 and Chapter 7 of the textbook.
- *Unreported World* - documentary series:
www.channel4.com/programmes/unreported-world/episode-guide/series-2019
- Documentary Series *with Simon Reeve* - are particularly good at exploring the social, economic and environmental issues in different places around the world. Available on the BBC iPlayer:
www.bbc.co.uk/iplayer/search?q=simon+reeve
- *Ask the Expert* by The Royal Geographical Society with the Institute of British Geographers:
www.rgs.org/schools/teaching-resources/ask-the-expert-podcasts
- Top 10 Geography Podcasts:
https://blog.feedspot.com/geography_podcasts
- *Natural Disasters* – Hannah Ritchie & Max Roser (2014):
<https://ourworldindata.org/natural-disasters>

USEFUL LINKS:

- The full specification studied at CFBS:
www.aqa.org.uk/subjects/geography/as-and-a-level/geography-7037
- Current News:
 - The Guardian – Environment section:
www.theguardian.com/uk/environment
 - The Economist – Science & Technology section:
www.economist.com/science-and-technology

WRITTEN TASK:

Research the following groups, create a PowerPoint presentation or word document that explores the purpose of each group, how it works, positives and negatives for the group and others in the world.

- IMF
- World bank
- WHO
- NAFTA
- Antarctic Treaty system
- EU

KEY TOPICS – TERM ONE:

British Warfare from 1790 to 1918

- Napoleonic Wars
- Crimean War
- Second Boer War
- First World War
- Coursework on the origins of the Cold War

Revisit of Year 12 Modules

- America from 1917 to 1996 socially, politically, economically and culturally
- Indian Nationalism from 1914 to 1948

RECOMMENDED READING & VIEWING:

- *Crimea: The Last Crusade* – Orlando Figes (2010): A terrific, detailed account of the Crimean War.
- *From Boer War to World War: Tactical Reform of the British Army, 1902-1914* – Spencer Jones (2012): A detailed overview of the British military from the 1890s to 1910s.

It would be useful for you to regularly read articles on history in weekly or fortnightly magazines such as *The New Statesman* and *The London Review of Books*. These will help you develop wider knowledge of history and make it easier for you to learn new things.

Alternatively, you could read history specific magazines such as the *BBC History Magazine* or *History Today*.

USEFUL LINKS:

- History Extra: www.historyextra.com
- New Statesman - www.newstatesman.com/uk
- London Review of Books - www.lrb.co.uk

WRITTEN TASK:

Firstly, make sure you've completed the workbooks and are not behind on those.

Secondly, listen to this podcast on Gandhi and read the associated articles labelled under "Going deeper..."
<https://www.talkingpoliticspodcast.com/history-of-ideas>

Take Cornell notes on each of the seven articles and the podcast. We can discuss and compare the ideas and opinions on Gandhi.

For a reminder on how to do Cornell notes, see here:
<http://lsc.cornell.edu/study-skills/cornell-note-taking-system/>

KEY TOPICS – TERM ONE:

- Contract Law
- Legal Theory

RECOMMENDED READING & VIEWING:Legal Theory

- *The Rule of Law* – Tom Bingham (2010)
- *On Liberty* – John Stuart Mill (1859)
- *Justice: What's The Right Thing To Do?* – Harvard University (2009)
 - Episode 01 - "THE MORAL SIDE OF MURDER": www.youtube.com/watch?v=kBdfcR-8hEY
 - Episode 02 - "PUTTING A PRICE TAG ON LIFE": www.youtube.com/watch?v=0O2Rq4HJBxw
- Films
 - *Philadelphia* (1993) - Excellent film looking into discrimination in the work place and unconscious bias. Interesting legal arguments in courtroom. Context-Law and Morality and changing attitudes that help to develop the law. Hart Devlin debate.
 - *A Civil Action* (1998) - Excellent to gain an understanding of civil cases for personal injury and obtaining evidence for liability. You always question where the evidence comes from in class so this may help put it into context for civil actions.

USEFUL LINKS:

- The full specification studied at CFBS and assessment resources from AQA: www.aqa.org.uk/subjects/law/as-and-a-level/law-7162
- e-lawresources.co.uk – lots of Law resources and quizzes/games: <http://e-lawresources.co.uk/Offer-and-acceptance-contract.php>
- Counsel Magazine: www.counsellmagazine.co.uk
- Pupillage and how to get it: <https://pupillageandhowtogetit.com>
- The Law Society – Index of useful legal websites:
 - *Becoming a solicitor*: www.lawsociety.org.uk/career-advice/becoming-a-solicitor
 - *How to become a barrister*: www.thelawyerportal.com/free-guides/how-to-become-a-barrister
- All About UK Law - Law in brief covering a number of areas of law such as Contract Law, Company Law, Human Rights Law, Child Law, Intellectual Property Law etc. This will give you a brief insight as to the options for legal areas for a career path or as core and optional units to look for at universities to develop your interests: <https://allaboutuklaw.co.uk/legal-advice/contract/>
- Key Contract Law case for offer and acceptance or invitations to treat?: <http://news.bbc.co.uk/1/hi/business/8340276.stm>
- The Conversation - Legal topics of conversation: <https://theconversation.com/uk/topics/law-78>

WRITTEN TASK:

Research write-up and presentation

Introduction to Contract Law

- Produce 3 x A4 pages of notes on offer and acceptance for contract law.
- Produce a power point presentation with your findings outlining key legal cases and issues in offer and acceptance only.

Success criteria:

1. Research what constitutes an **offer** in contract law with key cases. This will require you to know the difference between a unilateral offer and a bilateral offer. What amounts to an offer and what amounts to an invitation to treat? What cases tell us this?
2. Research what amounts to the offer being **accepted** in law.
3. You will need written information on your PP which includes key cases and definitions.
4. You will need images on your PP
5. You will need news articles on your PP
6. You will need a short video clip on your PP
7. Overall, there should be 3 x pages of notes and a PP presentation covering the above. Use the link below as a starting point to your research.
8. Did you identify any issues with the law?

<http://e-lawresources.co.uk/Offer-and-acceptance-contract.php>

KEY TOPICS – TERM ONE:

MATHS

Topics being covered in Year 13 mostly builds on topics already covered such as:

- Differentiation & Integration (covered in context with Variable acceleration)
- Trigonometry

New topics that build on things seen at GCSE

- Sequences and Series
- Functions

FURTHER MATHS

Topics being covered in Year 13 mostly builds on topics already covered such as:

- Complex Numbers

RECOMMENDED READING & VIEWING:

- *Alex's Adventures in Numberland* – Alex Bellos (2011)
- *How Many Socks Make a Pair?: Surprisingly Interesting Everyday Maths*– Rob Eastaway (2008)
- *Why Do Buses Come in Threes?* – Rob Eastaway & Jeremy Wyndham (2005)

USEFUL LINKS:

MATHS

- A Level Maths Revision – Use the Year 1 topics:
<https://alevelmathsrevision.com/a-level-maths-revision-notes>
- ExamSolutions - Online video tutorials:
www.examsolutions.net/as-maths/edexcel

FURTHER MATHS:

- A Level Maths Revision - Use the Year 1 Pure Core topics:
<https://alevelmathsrevision.com/further-maths-revision-notes>
- ExamSolutions - Online video tutorials for Further Pure Core:
www.examsolutions.net/as-maths/edexcel

WRITTEN TASK:

Complete the below tasks found on the following link:

https://drive.google.com/drive/folders/13WBfT0iFbl8_uppzsXv8qEsvXi_jnylw?usp=sharing

MATHS

- Sequences Investigation
- Bouncing to Nothing
- Introduction to Functions

FURTHER MATHS:

- Decision Maths – Cable TV Problem

KEY TOPICS – TERM ONE:

- **Component 2 Section A:** Long Form Drama: narrative, theories, representation, wider media context, television in a global age
- **Component 2 Section C:** social and participatory media (websites, blogs), media audiences, audience theories, gender and identity theories; representation

RECOMMENDED READING & VIEWING:

- *Digital cultures: Understanding New Media* – Glen Creeber & Royston Martin (2008)
- *Simulacra and Simulation* – Jean Baudrillard (1994)
- *Convergence Culture: Where Old and New Media Collide* – Henry Jenkins (2008)
- *Popular Television Drama: Critical Perspectives* – Jonathan Bignell & Stephen Lacey (2005)
- *Key Themes in Media Theory* – Dan Laughey (2007)

USEFUL LINKS:

- Media Magazine: <https://www.englishandmedia.co.uk/media-magazine>
- The British Film Institute – links to British films and British television drama: www.bfi.org.uk
- BBC iPlayer - Expand viewing of both British and global television drama: www.bbc.co.uk/iplayer

WRITTEN TASK:

Write an article for the **MediaMagazine** (published by the English and Media Centre) focusing on the topic of 'home grown British talent'.

The article discusses a number of recently commissioned/ screened television dramas by either the BBC, Netflix or both. The article is NOT a review of the dramas but it will have both depth and breadth of material which includes most of the following:

- new titles/ dramas and details of their genre
- the wider media context of these dramas so for example *Sitting in Limbo* (June, BBC) focuses on deportation of individuals who arrived during the Windrush
- themes and issues together with aspects of media representation
- use of narrative structures
- theoretical analysis applying: genre, narrative, Postmodernist, postcolonial theory or theories (not an exhaustive approach but a relevant one please).

WORD COUNT: 500 WORDS

KEY TOPICS – TERM ONE:Mr Richards

- Energy Systems: Fatigue and Recovery
- Injury Prevention and the Rehabilitation of Injury
- Linear, Angular and Projectile Motion
- Fluid Mechanics
- Commercialisation of Sport

Miss Patel

- Leadership
- Memory Models
- Coursework

RECOMMENDED READING & VIEWING:Mr Richards

➤ Ptdirect – Learning Resources:

○ *The ATP-PC System:*

www.ptdirect.com/training-design/anatomy-and-physiology/the-atp-pc-system

○ *The Anaerobic Glycolytic System (fast glycolysis):*

www.ptdirect.com/training-design/anatomy-and-physiology/the-anaerobic-glycolytic-system-fast-glycolysis

○ *The Aerobic System:*

www.ptdirect.com/training-design/anatomy-and-physiology/the-aerobic-system

➤ *Effects of prior concentric training on eccentric exercise induced muscle damage* – British Journal of Sports Medicine: <https://bjsm.bmj.com/content/37/2/119.full>➤ *The prevention and treatment of exercise-induced muscle damage* – National Library of Medicine: <https://pubmed.ncbi.nlm.nih.gov/18489195>Miss Patel➤ *Sport & PE: A Complete Guide to Advanced Level Study 3rd Edition* –

Kevin Wesson, Graham Thompson, Nesta Wiggins-James & Sue Hartigan (2005)

➤ *Understanding graphs showing rates of reactions* – Slideshow:

www.tes.com/teaching-resource/understanding-graphs-showing-rates-of-reactions-6390365

➤ *Information Processing* – Slideshow:

www.slideshare.net/jmaaspe/information-processing-l2

➤ *Memory and Models of Memory:*

www.youtube.com/watch?v=-o8pcWC81Xc

➤ iSpeakPE:

○ *A2 PE Sports Psychology - Chelladurai's Multi-Dimensional Model of Leadership:*

www.youtube.com/watch?v=MiN6ycsgWmw

○ *AS PE Acquisition of Skill Schema Theory:*

www.youtube.com/watch?v=lp7vNkdWBiY

○ *AS PE Acquisition of Skill – Loops:*

www.youtube.com/watch?v=_guc0bvTB2A

USEFUL LINKS:Mr Richards

- *An Overview of Sports Medicine:*
www.verywellfit.com/sports-medicine-4014645
- *Speed and Velocity* – useful website for an explanation of linear motion:
www.physicsclassroom.com/class/1DKin/Lesson-1/Speed-and-Velocity
- *Describing motion* – simple explanation of acceleration:
www.bbc.co.uk/bitesize/guides/z2wy6yc/revision/2
- *Sport Science: Stephen Curry* – a clip of Stephen Curry's shooting mechanics:
www.youtube.com/watch?v=HOiH1eVCggw
- *Projectile Motion* – research into optimising technique to improve performance in javelin:
www.quinticsports.com/projectile-motion

Miss Patel

- *Fastball Reaction Time* – Exploratorium:
www.exploratorium.edu/baseball/activities/fastball-reaction.html
- *Sheep Dash!*: www.bbc.co.uk/science/humanbody/sleep/sheep

WRITTEN TASK:Mr Richards

Powerpoint – Energy Systems:

- Comparing and contrasting athletic events
- Examination of lengths of events to accommodate stages of recovery
e.g. length of a tennis match, time between points, between sets

Miss Patel

Review Powerpoint on Performance Development Programme provided by Miss Patel

- Performance Development Programme (PDP) [**1000-1100 words**]

DIVERSITY TASK

Students will be researching and creating a portfolio on **two athletes**, both of which have a different diverse background. This will then be used to create a PE display board near the changing rooms.

KEY TOPICS – TERM ONE:

Keeping our physics brains awake over the summer, and completing a short written task as part of the practical component of the course.

RECOMMENDED READING & VIEWING:

- *What If?: Serious Scientific Answers to Absurd Hypothetical Questions* – Randall Munroe (2014): This might be the best book for physics students ever. Most of the content is available for free on the blog: what-if.xkcd.com
- *"Surely You're Joking, Mr. Feynman!": Adventures of a Curious Character* – Richard P. Feynman (1985): One of the greatest scientists of modern times explains how he thinks about the world by telling his life story... and it's fascinating; strip clubs, safe cracking, and atom bombs.
- *How to Invent Everything: A Survival Guide for the Stranded Time Traveler* – Ryan North (2019): A kind of history of technology and ideas, ostensibly written for time travellers.
- Kurzgesagt – In a Nutshell:
www.youtube.com/c/inanutshell
- Colin Furze or Mark Rober – Engineering channels with two beautifully different approaches to solving a problem. One is ex-NASA and the other didn't finish school but they're both incredibly capable:
www.youtube.com/user/colinfurze
www.youtube.com/c/MarkRober
- *Sixty Symbols* – Physics channel from the University of Nottingham. Each video explores one concept from physics, ranging from the simple to the very complex.
www.youtube.com/user/sixtysymbols

USEFUL LINKS:

- Isaac Physics – Used extensively during the course to practise problem solving and maths, and is full of resources which would be useful practice:
<https://isaacphysics.org>
- *What If?* on xkcd.com - Free content available on Randall Munroe's blog:
<https://what-if.xkcd.com>

WRITTEN TASK:

Complete the **research task** for the required practical component of the A Level. Further details will be on Show My Homework. (500 words would be plenty)

- Choose any aspect of physics or engineering, and research it. Suggestions:
 - Choose an interesting physicist (or engineer/mathematician) and describe their work. Always great to hear about less-famous ones (i.e. not Einstein or Curie, but they're both great too obviously).
 - Find a common thread between the three A Levels you've chosen, and write about how they might complement each other. If you study history and physics, for example, you might look at how nuclear physics began in 1908 and quickly became the predominant issue of global politics in the 20th century!
 - Look at an upcoming piece of big physics, a space exploration project, or a new technology, and find out more about it. How does it work? Why is it interesting?

The reason this is a **required** piece of work is because you have to demonstrate an understanding of how referencing works. More details will be on SMHW. For now, know that referencing is a crucial skill you'll need in higher education (and in many workplaces), no matter what you study or where you study it.

KEY TOPICS – TERM ONE:

During the Autumn Term of Y13 you will study three core political ideas and one non-core political idea.

- You will study Liberalism and Conservatism with Mr Scivyer
- You will study Socialism and Feminism with Mr Russell

This is the final section of new content you will study. In the Spring Term you will complete a comparative module as well as some lessons showing how the content from Y12 all fits together in exam questions.

RECOMMENDED READING & VIEWING:

As ever, you should be reading for at least 30 minutes a day. The following are some books that are relevant to the core political ideas module, which would provide invaluable context to lessons:

- *A Thousand Small Sanities* – Adam Gopnik (2019)
- *Conservatism: An Invitation to the Great Tradition* – Roger Scruton (2017)
- *Socialism: A Very Short Introduction* – Michael Newman (2005)
- *Feminism* – Margaret Walters (2005)
- *Liberalism: where did it come from and are its days numbered?* – The Economist (2018):
www.youtube.com/watch?v=K08OxfiVv8
- *Why I became a conservative* – Roger Scruton (2003):
<https://newcriterion.com/issues/2003/2/why-i-became-a-conservative>
- *Tony Benn on Socialism* – audio interview (2006):
www.theguardian.com/politics/audio/2014/mar/14/tony-benn-interview-labour-audio
- *We should all be feminists* – Chimamanda Ngozi Adichie (2012):
www.ted.com/talks/chimamanda_ngozi_adichie_we_should_all_be_feminists

USEFUL LINKS:

- The full specification studied at CFBS:
<https://qualifications.pearson.com/content/dam/pdf/A%20Level/Politics/2017/Specification%20and%20sample%20assessments/A-level-Politics-Specification.pdf>

WRITTEN TASK:**EITHER**

Produce a PowerPoint Presentation* about the life and ideas of **one** of the following figures:

- Thomas Hobbes
- John Locke
- Karl Marx

*This means a series of slides **supporting** a presentation of at least 5 minutes' length. Reading a selection of copied texts from a slide will not be accepted. Here is a useful guide to planning presentations from Leicester University:
www2.le.ac.uk/offices/ld/all-resources/presentations/planning-presentation

OR

Choose **one** of the following six statements and reflect on whether you agree with them. Each reflection should be about 500-750 words. Use relevant examples & explanation to support your opinion.

- "The state should have as little to do with people's lives as possible"
- "People should be allowed to say whatever they like"
- "Fairness is more important than equality"
- "Anyone can succeed in life if they work hard enough"
- "Traditions are not important and getting rid of them does no damage"
- "All women need to succeed is legal equality with men"

KEY TOPICS – TERM ONE:

- Research methods and researching social inequality and difference
- Crime and deviance
- Globalisation and the digital social world

RECOMMENDED READING & VIEWING:

Revision of previous topics:

- *OCR Sociology for A Level Book 1 Sociology* – Sue Brisbane, Katherine Roberts, Paul Taylor, Steve Chapman, Jannine Jacobs-Roth & Nayda Ali (2015)
- *OCR Sociology for A Level Book 2* – Sue Brisbane, Katherine Roberts, Paul Taylor & Laura Pountney (2016)
- *Sociology: Themes and Perspectives 7th Edition* – Michael Haralambos & Martin Holborn (2008)
- *Introduction to Sociology* – George Ritzer (2012)
- *Sociologists' Tales* – Katherine Twamley, Mark Doidge & Andrea Scott (2015)
- *Gang Leader for a Day: A Rogue Sociologist Takes to the Streets* – Sudhir Venkatesh (2008)
- *A Glasgow Gang Observed* – James Patrick (2013)
- Without doubt the best Sociological resource by the BBC for Sociology is 'Thinking allowed' with Laurie Taylor. Endless episodes available with cutting edge, contemporary sociology:
www.bbc.co.uk/programmes/b006qy05
- 'The Moral Maze' is also a very good BBC Radio 4 programme in which a panel discuss a relevant weekly news topic and they interrogate witnesses about their opinions of these topics:
www.bbc.co.uk/programmes/b006qk11
- Documentaries: There are some excellent documentaries on BBC iPlayer. A lot of Louis Theroux's work is very good which taps into many sociological issues, but there are many available that are very relevant: www.bbc.co.uk/iplayer
- Below are a couple of short but interesting articles on topics covered in Sociology:
 - <https://freedomtoteach.collins.co.uk/rise-of-single-life-solo-living/>
 - <https://freedomtoteach.collins.co.uk/monogamy-rise-of-polyamory/>
 - <https://freedomtoteach.collins.co.uk/7972-2/>

USEFUL LINKS:

- OCR Topic Exploration Packs:
www.ocr.org.uk/qualifications/as-and-a-level/sociology-h180-h580-from-2015/planning-and-teaching
- OCR Past Papers and exemplar candidate essays:
www.ocr.org.uk/qualifications/as-and-a-level/sociology-h180-h580-from-2015/assessment
- Films: Below is a very good link to 12 films that are very relevant to Sociology. I strongly recommend watching many of these films and think about the issues that are raised in the text in this list.
<https://freedomtoteach.collins.co.uk/influential-inspirational-films-sociology-students/>

WRITTEN TASK:

Listen to the following episode of the Moral Maze on BBC Radio 4 on *Punishment and Justice* in our society:
www.bbc.co.uk/programmes/m0009cfc

Once you have listened to it all the way through, you should then go back to the beginning and summarise the arguments put forward by the people on the programme. All of them have different attitudes to crime and punishment and they sit on different sides of the political spectrum.

Once you have summarised the arguments, you should then consider which arguments you agree with and which arguments you don't agree with.

After this you should then consider the following essay question:

'What should we do with people who commit crimes in our country? Discuss.'

Your essay should be 1500 words long and you should use other sources to gather evidence in order to improve your knowledge and understanding of this aspect of society.

KEY TOPICS – TERM ONE:

- Spanish Civil War
- Dictatorship of Franco
- Transition to democracy
- La Casa De Bernarda Alba (Literature)
- IRP
- Positive impact of immigration in Spain
- Integration in Spanish society
- Current Spanish policy on immigration

RECOMMENDED READING & VIEWING:

- *Blood Wedding* - Federico García Lorca (1932)
- *Yerma* - Federico García Lorca (1934)
- *Homage to Catalonia* – George Orwell (1938): a short account of George Orwell’s experience during the Spanish civil war. You can read the English version to give you a greater understanding of the war.
- Sin Censura News with Vicente Serrano (uncensored news coverage from across the Americas in Spanish): www.youtube.com/c/sincensuraMedia
- Films:
 - *Land and Freedom (Tierra y Libertad)* (1995) – Spanish civil war
 - *Las Trece Rosas (13 Roses)* (2007) – Spanish civil war
 - *Poniente* (2002) – Immigration
- Spanish TV series and films available on Amazon Prime:
 - *Diablo Guardián*
 - *Capadocia: Un Lugar Sin Perdón*
 - *Un extraño enemigo*
 - *Pequeñas coincidencias*
 - *Caronte*
 - *Las Aventuras del Capitán Alatríste*
 - *Six dreams*
 - *Lo Que Escondían sus Ojos*
 - *Corazón Contento*
 - *El Corazón de Sergio Ramos*
 - *La usurpadora*
 - *Hermanos*
- Spanish TV series and films available on Netflix:
 - *La Casa de Papel (Money Heist)*
 - *La Casa de las Flores (The House of Flowers)*
 - *Vis a Vis (Locked Up)*
 - *Luis Miguel: La serie*
 - *Ingobernable*
 - *Tiempos de Guerra*
 - *Elite*
 - *La Reina del Flow*
 - *Valeria*
 - *Fugitiva*
 - *Enemigo Íntimo*
 - *El Chapo*
 - *La catedral del Mar (Cathedral of the Sea)*
 - *Gran Hotel*
 - *Cocaine Coastand more!*

USEFUL LINKS:

- Spanish News videos and articles: ○ www.rtve.es ○ www.elpais.es ○ www.elmundo.es

WRITTEN TASK:

Essay practice for Paper 2 – La Casa de Bernarda Alba

Write **3-4 paragraphs** in response to each question.

- Para ti, ¿cuáles son las ideas más interesantes expresadas por el dramaturgo que has estudiado?
- ¿Cuáles son los mensajes más importantes expresados por el dramaturgo en la obra que has estudiado?
- Analiza los principales temas de dramaturgo que has estudiado.
- ¿Cuál crees que es el principal objetivo del dramaturgo?



CENTRAL FOUNDATION BOYS' SCHOOL

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