

'The Summer Five' - Please ensure that as a minimum you try and master the below 'summer five' preparation tasks/skills for your chosen A-levels. These will help you make the best start in September.

	Task 1	Task 2	Task 3	Task 4	Task 5
Art	Visit a local Art Gallery	Produce a tonal pencil study of a mechanical form	Produce a biro drawing of a mechanical form	Write a formal analysis of your favourite piece of artwork	Keep a sketchbook of what you get up to over the summer break including sketches, notes, collages etc.
Biology	Create fact cards explaining the differences between Cells and Cell Ultrastructure, Prokaryotes and Eukaryotes. Add 4 questions and answers for each to test other students.	Create a series of flash cards describing the differences between Mitosis and Meiosis with 10 questions and answers for each topic.	Create a quick guide to writing numbers in standard form and/or to a correct number of significant figures and use of units and converting between units.	Create a summary poster describing the food tests for protein, lipids and carbohydrates adding diagrams (and colours of reagents)	Create a booklet describing the structure of monomers and polymers for DNA, protein, lipids and carbohydrates; bonding between the monomers. Add questions and answers to test other students.
Business	Using the link below, listen to podcasts and chose your personal 'top thing' that you feel have had the most impact on business. On a ppt, include a relevant picture and in bullet points explain as to why you think it is the most important. BBC Radio 4 - Things That Made the Modern Economy - Available now	Watch the hyperlink video below, make bullet point notes on what strategy actually involves: https://www.youtube.com/watch?v=TD7WSLeQTVw	Undertake research on the business academic Michael Porter who has written important work on business strategy. Find out what theory and models he has developed. Outline these on a ppt.	Over the summer, take two photographs of 'interesting' businesses (related activities). Incorporate the photographs into a ppt and outline why you find the businesses (activities) interesting.	Undertake independent research and produce a ppt profile (outline) of one new innovative business/product that you believe has the potential to grow in the near future.
Chemistry	Master writing numbers in standard form and/or to a correct number of significant figures	Mole Calculations including researching titration calculations. (https://edu.rsc.org/practical/titration-practical-videos-16-18-students/4012200.article)	Properties, reactions and trends for group 1 & 7	Explaining properties and structures of covalent, giant covalent, ionic & metallic substances	Drawing and naming Alkanes and Alkenes
Computer Science	Read the textbook "Tackling A Level projects in Computer Science AQA 7517" in Classooms to help you choose and plan your NEA project.	Monitor the events page at IsaacComputerScience. https://isaaccomputerscience.org/events?examBoard=all&stage=all&types=student , and attend any online courses if you can.	Practice your Python coding using Replit.com so that you can demonstrate Sequence, Selection and Iteration programming constructs.	Keep a journal of Artificial Intelligence news stories during the summer break and try to look for trends and patterns in the stories.	Listen to the Computing Britain podcast on BBC Sounds.
Economics	Using the link below, listen to the podcasts and chose your personal 'top thing' that you feel have had the most impact on global economies. On a ppt, include a relevant picture and in bullet points explain as to why you think it is the most important. https://www.bbc.co.uk/programmes/b08k9pv0/episodes/guide	Produce a three-page set of notes on the following three key economists/social commentators: JM Keynes, F Hayek & K Marx.	Create a ppt on how the UK is currently doing economically. Focus on the following 'key performance indicators' of economic growth, inflation, employment and international trade	Over the summer, take two photographs of 'interesting' issues related to the economy (Cost of Living Crisis, Impact of Brexit, Poverty etc). Incorporate the photographs into a ppt and be prepared to discuss the economics surrounding the photographs.	Watch the link below and produce a one slide ppt on why you wish to study Economics A level. Introduction to Economics Marginal Revolution University (MRU) - YouTube
English Language	Look at the AQA English Language A Level specification AQA English AS and A-level English Language	Access 'The Guardian' online and read some opinion articles of your choice, thinking about their house style.	Create an account for BBC Sounds.	Have a look at the website for the British Library and what it has to offer regards a study of English Language.	Log in to The English and Media Centre's magazine for Key Stage 5 'emagazine' - username: Osbourne - password: English10
Joint English	Purchase and read Lovely Bones	Research Alice Sebold	Read 'The Lovely Bones' by Alice Sebold - buying a copy is imperative	Research the poet Carol Ann Duffy, acquainting yourself with her type of poetry	Research the context of the 1920s, paying particular attention to gender, law and prohibition.
English Literature	Research the AQA Literature B Specification.	Find out the key features of the tragic genre.	Research 1970s/feminism	Come up with a list of top 5 stereotypes about Paris	Select a text from the wider reading list to read over the summer.
French	Watch a film in French	Revise regular verb endings for present tense, perfect, imperfect, and future	List four well-known French sites of special interest. Write about each in English. Why are they preserved? Find out visitor data. What, if anything, threatens them? Are they being restored?	Find out the names of the main political parties in France. Write in English the names of their leaders and a short summary of what the parties stand for.	Research a little bit about the philosophy of Albert Camus. Then, write about 100 words (in English or French) summarising your main findings and giving your opinion on what you have found out.
Geography	Read: Prisoners of Geography (Marshall, T) – an insightful book which helps understand how physical geography impacts on political reality and really helps to understand how decisions of world leaders have been shaped by geography – a great introduction to geopolitics	Listen: Forests and the carbon cycle podcast: https://www.rgs.org/schools/teaching-resources/forests-and-the-carbon-cycle/	Watch: Before the Flood (2016) (PG) – National Geographic https://www.filmsforaction.org/watch/before-the-flood-2016/ (presented by Leonardo DiCaprio – exploring climate change and looking at what needs to be done today to prevent catastrophic disruption of life on our planet.	Watch: Our Planet (Netflix series) – explores how climate change impacts all living creatures.	Listen: How is globalisation changing the countryside? podcast https://www.rgs.org/schools/teaching-resources/how-is-globalisation-changing-the-countryside/
Health and Social Care	Carry out research on the COC -	Watch 24 hours in A&E - http://www.channel4.com/programmes/24-hours-in-ae	Research a medical condition of your choice find out the following: causes, effects, treatments & impact	Watch 999 What's your Emergency? - https://www.channel4.com/programmes/999-whats-your-emergency	Carry out some research on advocacy services and what is meant by person centred approach
History	Using this website, create a 2 page factfile or poster of Winston Churchill: https://www.bbc.co.uk/teach/sir-winston-churchill-the-greatest-briton/zr3747h	Create a timeline of key events of the 1930s in the UK. Choose 10 events that interest you. This website is helpful: https://www.bl.uk/learning/timeline/item124207.html	Read one of these books: - Christopher Tyerman, The Crusades. A Short History (This was Mrs Cunningham's first Crusades book) - Paul Williams, The Complete Idiot's Guide to the Crusades and bring in a 200-300 word review	Listen to this podcast: https://www.bbc.co.uk/programmes/p07r6h3z ('You're Dead to Me - Saladin' on BBC Sounds)	Watch a film that is related to either either Winston Churchill / Britain in the post WW2period / the Crusades
Law	Go onto elaw resources.co.uk and read a crime case, a tort case and a negligence case	Find out the definition of theft	Over the summer, watch the news and write down the details of a case where the court came to the wrong decision (UK only)	Find out what the most famous snail in legal history	Download and listen to at least one episode of Law in Action (Radio 4) and summarise a key piece of content
Maths and Further Maths	Simplifying – As well as completing these problems, you could familiarise yourself with good YouTube channels on A-Level content. Find one that you enjoy and think you could utilise over the next two years.	Sketching – Being able to draw graphs quickly is important. At A-Level you can use a graphical calculator, the highest recommended is the CASIO FX-CG50 Graphical Calculator.	Rearranging – This skill helps you access questions quickly and without fuss.	Solving – This is an important topic and is vital to the A-Level course. As is unwinding, I would recommend reading a book such as A Brief History of Time by Stephen Hawking or The Number Devil by Hans Magnus Enzensberger or The Simpsons and their Mathematical secrets by Simon Singh.	Expanding – As well as completing these problems, find yourself a revision guide or workbook that you can use during the course. CGP have a very good revision guide that comes highly recommended.
Media Studies	Watch the news at least weekly - (BBC)	Subscribe to https://www.youtube.com/@mrsfisher8961/videos	Read through two or three fact sheets https://resources.eduqas.co.uk/pages/ResourceSingle.aspx?riid=970		
Music	Practice your instrument regularly and prepare a piece to perform for September	Complete ABRSM Theory Books Grades 1-3	Listen to Classic FM or Radio 3. Make a note of some of the pieces that you happen to hear and like.	Watch a film where the music has been composed by Rachel Portman, Danny Elfman or Bernard Herrmann	Research the main differences between the Baroque, Classical and Baroque period. List 5 features of each period
Physical Education	Start keeping a log of participation in any competitive sport	Download BBC sport App	Watch Munich (2005) directed by Steven Spielberg	Watch Thomas Brown's school days 2005 - Youtube	Watch video featuring diverse contributors to the subject: https://www.youtube.com/watch?v=DpPgWRO-eAE
Physics	Rearranging and applying correct Physics equations in questions and conversion of units	Master writing numbers in standard form and/or to a correct number of significant figures	Explaining current, potential difference, resistance, energy and power.	Understanding wave properties and the different parts of a wave	Comfortable using SOHCAHTOA and trigonometry
Politics	Create a one page factfile on a political story / event from the summer of 2023. You should include who is involved, what has happened and what are the short term implications / consequences. Aim for 150-200 words.	Watch a film or tv series about UK or American politics. For example, UK: The Iron Lady (2011) / The Queen (2007) / The Loop (2009) / Made in Dagenham (2010) – US: All the Presidents Men (1976) / Knock Down the House (2019) / The Ides of March (2011) / JFK (1991). Be prepared to write a 50 word summary of it in September.	Listen to one of these politics podcasts: BBC Sounds - Newscast - Available Episodes https://tunein.com/podcasts/Podcasts/The-A-Level-Politics-Show-p1243794/ https://crooked.com/podcast-series/pod-save-america/	Research one previous Prime Minister. Create a list of 'Two truths and a Lie' about them.	Find out what happened in the 3 by-elections on July 20th. Who had resigned / who won / what was the result in terms of votes for each candidate.
Psychology	Look at the following websites on psychology - https://www.psychologytoday.com/gb https://www.simplypsychology.org/ https://www.sciencedaily.com/news/health_medicine/psychology/	Ben Ambridge: 9 myths about psychology, debunked TED Talk	Carry out some research on the 6 main approaches in psychology: behaviourism, humanistic, cognitive, psychodynamic, social learning theory & biological	Watch this netflix series Three Identical Strangers it raises questions about ethics & research - https://www.netflix.com/gb/title/80240088	Carry out research on famous studies in psychology - Milgram, Zimbardo, The Bobo doll study & Little Albert
Religious Studies	Read through the RS specification to see what to expect https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/religious-studies-2016.html	ETHICS - Listen to any of the Moral Maze podcasts to get you thinking about how we act and the different views people have. https://www.bbc.co.uk/sounds/brand/b006qk11	ETHICS - go to https://www.bbc.co.uk/ethics/introduction/ and find out about the various ways of making moral decisions (try to see if you can understand objective, subjective, relative, absolute, teleological & deontological)	PHILOSOPHY - Watch these Mr McMillan clips on arguments about the existence of God: https://www.youtube.com/watch?v=foeM6vXZCys https://www.youtube.com/watch?v=9NGj6Zk9Wj0 https://www.youtube.com/watch?v=y1NblqCJo https://www.youtube.com/watch?v=WkwlwYuEKU	New Testament- Find out about life in First Century Palestine. Focus on government and authority, Jewish leadership, the role of the Temple- five courts of the Temple. Research the Romans in First Century Palestine and focus on the positive and negative impact of their invasion and rule
Sociology	Carry out some research on the ONS on crime statistics - https://www.ons.gov.uk/	Carry out some research on how social groups (class, gender & ethnicity) experience inequality in society - education, crime/policing, family, media & health	Research the British Sociological Association - http://www.discoversociology.co.uk/For-Students	Find out about the key theories in sociology, cover main assumptions and studies : Marxism, feminism & functionalism	Research key events with the education system in the last 40 years, find out why certain social groups are underperforming in the education system. Watch this tv series - Watch Educating Yorkshire Stream free on Channel 4
Spanish	Learn the regular verb endings for the present, preterite, imperfect, future and conditional tenses.	Regularly watch and listen to Spanish TV. www.rtve.es	Familiarise yourself with the geography of Spanish speaking countries.	Research the history of Spain and note down 10 key events.	Research an important Heritage site from the Spanish speaking world and write down 5 interesting facts about it.
Product Design	Product Analysis - Develop your evaluation skills by thinking about how and why products you use have been designed the way they have. Could they be better? How?	Use the sketch a day website to develop your drawing skills	Watch 'Flat Pack Empire' - BBC inside IKEA documentary	Use StumbleUpon to build a collection of ideas and interesting products	Read The Dream Factory: Alessi Since 1921 Paperback – Illustrated, 21 Feb. 2017 by Alberto Alessi
Photography	Visit a local Photography gallery	Complete an Analysis of your favourite Photograph	Complete a Photoshoot of different Visual elements such as locations with repetition, Textures, Colour, Contrast, portraiture etc.	Choose your best images and edit around 3 using any editing apps you have access to.	Display this work in an A3 sketchbook.
Film Studies	Research the director Christopher Nolan. Watch at least two of his films.	Watch a documentary film.	Watch a film made between the 1920s and 1940s in Hollywood	Read the factsheets for Little Women and Promising Young Woman on this site https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?riid=1009	