



Year 13 topics to be covered - Spring Term 2021

Subject	Topics to be studied this term	Recommended preparation
Art	<ul style="list-style-type: none">• 2nd coursework project• Individual expansion of ideas and work• Refining and developing their topic• Extending their skills• 4 large pieces and one full sketchbook• Digital portfolio• Essay completed and creatively presented	<ul style="list-style-type: none">• Lots of independent gallery visits• Keep up- book work every week• Clear documentation of ideas- read around the topic chosen• Be organised, do not leave sections of book to later• Annotate as you go along not at the end• Experiment with new materials• Take photos everywhere - think like an artist• Show the journey clearly in book
Biology	<ul style="list-style-type: none">• Homeostasis• Biodiversity• Nerves and signalling• The brain and learning	<ul style="list-style-type: none">• Reading the sections of the textbook• Using SENECA learning• Using SPOLEM for online research• HWK booklets• Online tutorials at Khan academy, snap revise, crash course and the amoeba sisters
Business Studies	<p>3.4 CORPORATE INFLUENCES</p> <ul style="list-style-type: none">• Influences on business decisions• Corporate culture• Shareholders versus stakeholders• Business ethics <p>3.5 ASSESSING COMPETITIVENESS</p> <ul style="list-style-type: none">• Interpretation of financial statements• Ratio analysis• Human resources <p>3.6 MANAGING CHANGE</p> <ul style="list-style-type: none">• Causes and effects of change• Key factors in change• Scenario planning	<ul style="list-style-type: none">• Use Theme 4 plcs to read ahead of each lesson• Complete revision notes on each topic• Complete all questions set• Make sure folder of work is organised• Create a glossary of key terms• Use SENECA for revision• Complete exam papers• Research for the pre release theme
Chemistry	Redox 2 Organic Synthesis NMR Acid-base equilibria	Youtube - Khan Academy Pre-reading AS (redox topic 1) / Pre-reading textbook

		Complete summary questions and revision booklets on google classroom Use SENECA learning
Computer Science	<ul style="list-style-type: none"> • Arrays, Tuples and Records • Hash tables/functions • Stacks • Logic gates and Truth tables • Simplifying Boolean expressions • Karnaugh maps • Adders and D-type flip-flops • Programming Techniques 	<ul style="list-style-type: none"> • Read ahead and revision from textbook (OCR AS level and A level Computer Science) • Recap of all GCSE and year 12 topics • Practice papers from OCR with marking scheme • Make notes and annotate as required • Practice programming in free time
Drama	<ul style="list-style-type: none"> • Component 3 prep • Finding a suitable play for your performance • Applying a practitioner - Stanislavski • Using the practitioner to inform your acting process - writing these notes up into an essay • Building a character part 1 & part 2 • Creating the world/set/costume/lighting and sound: communicating meaning of your piece • Performing to an AQA examiner 	<ul style="list-style-type: none"> • Read a selection of plays, find an excerpt which is suitable for your exam needs • Read the selected play - find a 10 minute extract which is suitable to study • Read An Actor Prepares - Chapters 1-6 & 9 • Write an Initial paragraph as an actor approaching the role noting the opportunities and challenges • Read Stanislavski for beginners • Write Paragraph 2 & 3 how you have developed character using Stanislavski • Write Paragraph 4 what you now understand about the character and their reactions though the text, clues, practitioner's method. • Write about how design elements have impacted your role. Specifically in regards to Stanislavskian theory regarding building physically. <p>NB: EXTENSION TASKS suggested on pupil sheet</p>
Economics	<ul style="list-style-type: none"> • National Income and Development • Growth • Inflation • Financial Markets • Globalisation • Protectionism • Balance of Payments • Exchange Rates • Growth and Development 	<ul style="list-style-type: none"> • Recap over any of these topics that were covered in Year 12 (and Years 10 and 11) if GCSE was taken • Read ahead from the A2 textbook on the relevant topics • Read ahead from any revision guides e.g. CGP on these topics • Read news articles related to these topics • Read magazine and journal articles related to these topics
English	<p>'The Duchess of Malfi':</p> <ul style="list-style-type: none"> • The plot, characters and themes of this 	<ul style="list-style-type: none"> • Keep detailed Drama/Chapter logs in order to consolidate and reflect in detail

<p>Literature</p>	<p>revenge tragedy play.</p> <ul style="list-style-type: none"> ● The literary and social context of the Jacobean era in which it was written. ● How different theatre productions and critics have interpreted the play. ● Links to 'The Merchant's Tale.' <p>'The Grapes of Wrath':</p> <ul style="list-style-type: none"> ● The plot, characters and themes of this twentieth century American novel. ● Analysis of the features that make this text typical of its time/genre and place in the development of American Literature. ● How literary critics have responded to the novel. ● Links to 'The Great Gatsby'. 	<p>upon what you have read and discussed in class.</p> <ul style="list-style-type: none"> ● Learn key textual details and short quotations in preparation for class Text Tests. ● Keep re-reading and annotating the texts (including 'Hamlet', 'The Great Gatsby', and 'Merchant's Tale') ● Watch at least five different theatre/film productions of 'Hamlet' and make detailed notes about how it has been interpreted in each production. ● Use the 'ABC' approach to explore critics' responses to the texts. ● Draw up detailed mind-maps and Venn diagrams in order to explore comparisons between the comparative texts on each paper.
<p>Further Maths</p>	<p>Differential Equations section 9 Core Pure Maths</p> <p>Further Statistics 1 topics:</p> <ul style="list-style-type: none"> ● Probability Generating Functions ● Chi-Squared Tests section 6 ● Quality of Tests section 8 	<p>All Core Practise papers</p> <p>Topic tests on Core and Further Stats</p> <p>Rolling schedule of specimen exam papers</p>
<p>Geography</p>	<p>Topic 6: The Carbon Cycle and Energy Security</p> <ul style="list-style-type: none"> ● How does the carbon cycle operate to maintain planetary health? ● What are the consequences for people and the environment of our increasing demand for energy? ● How are the carbon and water cycles linked to the global climate system? <p>Topic 8A: Health, Human Rights and Intervention</p> <ul style="list-style-type: none"> ● What is human development and why do levels vary from place to place? ● Why do human rights vary from place to place? ● How are human rights used as arguments for political and military intervention? ● What are the outcomes of geopolitical interventions in terms of human development and human rights? 	<p>All resources are on Google Classroom.</p> <p>Useful links, wider reading and viewing</p> <ul style="list-style-type: none"> ● The Economist ● Superpower: Three choices for America's role in the world by Ian Bremmer (2015) ● China Inc. by Ted C. Fishman (2006) ● Prisoners of Geography by Tim Marshall (2015) ● Jared Diamond, Guns, Germs and Steel (1997) ● 1898: The Birth of the Superpower
<p>German</p>	<ul style="list-style-type: none"> ● Multiculturalism: ● Integration, 	<p>Deutsche Welle - online resources including podcasts and news on current affairs</p>

	<ul style="list-style-type: none"> ● Rassism ● Reunification ● Peaceful revolution ● Literature: The Reader ● Film: Goodbye Lenin 	
History	<p>Tudors <u>The triumph of Elizabeth, 1563–1603</u></p> <ul style="list-style-type: none"> ● Foreign affairs: issues of succession; Mary, Queen of Scots; relations with Spain ● Society: continuity and change; problems in the regions; social discontent and rebellions ● Economic development: trade, exploration and colonisation; prosperity and depression ● Religious developments, change and continuity; the English renaissance and ‘the Golden Age’ of art, literature and music ● The last years of Elizabeth: the state of England politically, economically, religiously and socially by 1603 <p>America</p> <ul style="list-style-type: none"> ● The USA after Nixon, 1974–1980 ● Ford and Carter as presidents: responses to social divisions; political corruption and the loss of national self-confidence ● The position of the USA as a world power: the final withdrawal from Vietnam; relations with the USSR and China; the response to crises in the Middle East; Iran and Afghanistan ● African-Americans in North and South: the impact of civil rights legislation; change and ● continuity in the ‘New South’ ● The USA by 1980: its position as a Superpower; the extent of social and economic change; the reasons for Reagan’s victory in the presidential election. 	<ul style="list-style-type: none"> ● Revise content from Year 12 ● Make notes on Autumn term work
IT	<ul style="list-style-type: none"> ● Database design ● Website development 	<ul style="list-style-type: none"> ● Use Google classroom for resources ● Assignments to be proofread prior to submission ● Check each criteria is met or not

Mathematics	<u>A2 Statistics to include</u> <ul style="list-style-type: none"> ● Regression and Correlation ● Probability ● Normal Distribution ● Hypothesis Testing <u>A2 Mechanics to include</u> <ul style="list-style-type: none"> ● Moments ● Forces/Application of Forces ● Application of Kinematics ● Further Kinematics 	<ul style="list-style-type: none"> ● Revision of and Reappraisal of the Large Data Set ● Revision of AS Statistics and Mechanics ● Weekly schedule of practise A2 exam papers to be extended to 2 papers each after half-term ● Regular assessment of each topic covered in A2 Mechanics and Statistics using topic tests and topic practise papers
Media	<ul style="list-style-type: none"> ● Component 2: Section C - Online Media ● Component 1: Section B - Radio ● Component 3: NEA Practical Production 	<ul style="list-style-type: none"> ● Wider contextual learning - consumption of Attitude webzine and Zoella to find and apply theoretical approaches to examples. ● Continued revision of theories using study booklet. ● Research and consolidate learning for industry set products - application of theory such as Hesmondhalgh and Curran & Seaton. ● Revise content from year 12.
OCR Sport	<ul style="list-style-type: none"> ● Unit 5: Performance analysis ● Unit 17: Injuries in Sport ● Unit 19: Psychology in Sport ● Unit 18: Practical activities in Sport 	<ul style="list-style-type: none"> ● Complete corrections on work ● Video and collect sports performance videos before Easter ● Research into the Psychology of sport by reading ahead in the textbook. ● Make notes on anxiety/stress and mental health in Sport.
PE	<ul style="list-style-type: none"> ● Sports Psychology ● Sociology in Sport ● Practical Performance and EAPI ● Physiology in Sport <ul style="list-style-type: none"> ○ Injuries 	<ul style="list-style-type: none"> ● Recapping all content from year 12 on a regular basis ● Gathering practical footage ● Working towards EAPI ● Exposure to more exam questions
Photography		
Physics	<ul style="list-style-type: none"> ● Radioactivity ● Nuclear Physics ● Capacitors ● Magnetic Fields ● Electromagnetic Induction ● Turning Points 	<ul style="list-style-type: none"> ● Read the relevant textbook pages and write notes ● Watch the Science Shorts and DrPhysicsA videos ● Continue to revise Autumn Term content, and AS, especially Chapter 7 and practical skills ● Make sure folder is organised and up to date

<p>Psychology</p>	<p>Unit 3 <u>Finish aggression topic</u></p> <ul style="list-style-type: none"> ● Aggression in prisons ● Influence of media on aggression ● Effect of computer games ● Disinhibition and cognitive priming <p><u>Start Issues and debates topic</u></p> <ul style="list-style-type: none"> ● Gender and culture in psychology ● Free will and determinism: ● The nature-nurture debate ● Holism and reductionism ● Idiographic and nomothetic approaches to psychological investigation ● Ethical implications of research studies and theory, including reference to social sensitivity 	<ul style="list-style-type: none"> ● Continued revision of previous material for unit 3 - Schizophrenia, aggression and Relationships ● Complete practice questions every week and self assess, read examiners reports on the paper you complete to make improvements and avoid common errors These can be found here: https://www.aqa.org.uk/subjects/psychology/as-and-a-level/psychology-7181-7182/assessment-resources ● Revise A01 Unit 2, Biopsychology in preparation for the higher level A2 Biopsychology topic - starting end of Feb. Use the booklet I gave you and pgs 112-117 in your AS textbook.
<p>Music</p>	<ul style="list-style-type: none"> ● Mendelssohn 'Italian Symphony' Movements 2,3,4 ● Poulenc ● Debussy ● Composition 'Free Piece' 	<ul style="list-style-type: none"> ● Eduqas Mendelssohn teacher notes (google classroom) ● Eduqas Poulenc teacher notes (google classroom) ● Eduqas Debussy teacher notes (google classroom) ● Continuing the WCT Listening Diary found on Google Classroom ● The WCT and 20th century podcasts found on google classroom