



Year 12 topics to be covered - Spring Term 2021

Subject	Topics to be studied this term	Recommended preparation
Art	<ul style="list-style-type: none"> ● urban stories- extended ● Development and refinement of ideas ● Extending their techniques ● Observational drawing ● How to make an effective body of work ● Working to a theme 	<ul style="list-style-type: none"> ● Keeping up- organisation ● independent gallery visits ● Building up their own equipment ● Watching Art programmes - portrait artist of the year, landscape artist of the year etc ● Lots of observational drawing- do a life drawing class ● Getting in the habit of taking photographs for Art ● Explore, experiment, lookup at the world around
Biology	<ul style="list-style-type: none"> ● Voice of the genome- Genetics and its effects ● Protein synthesis ● Plant biology 	<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>1.3 Marketing Mix and strategy</p> <ul style="list-style-type: none"> ● Pricing strategies ● Distribution/Place ● Marketing Strategy <p>1.4 Managing people</p> <ul style="list-style-type: none"> ● Organisational design ● Motivation in Theory and Practice ● Leadership 	<ul style="list-style-type: none"> ● Use 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 paper
Chemistry	<ul style="list-style-type: none"> ● Energetics ● Topic 4 ● Organic Chemistry 	<ul style="list-style-type: none"> ● Pre-read GCSE content ● Read relevant sections of textbook ● Answer all summary questions ● Complete all exam questions/ revision booklets on google classroom ● Organise folder of work ● SENECA

Computer Science	<ul style="list-style-type: none"> ● Legal, ethical, moral and cultural issues ● Data structures (Lists, linked lists, queues, stacks, hash, graphs, trees) ● Boolean algebra (logic gates, truth tables, simplifying boolean expressions, k-maps, D-type flip flops) 	<ul style="list-style-type: none"> ● Read ahead and revision from textbook (OCR AS level and A level Computer Science) ● Recap of all GCSE topics covered in year 10 and 11 ● Practice papers from OCR with marking scheme ● Make notes and annotate as required
Drama	<ul style="list-style-type: none"> ● Studying Antigone by Sophocles ● How to prepare to act/direct/design Antigone ● Learning Ancient Greek Theatre History ● Practice essay writing ● Continue to learn design keywords ● Revision of Costume, Lighting, Set design for Our Country's Good ● Revision of Live Theatre Evaluation ● Creating & rehearsing devised performance (Component 2) ● Continuing to write Working Notebook 	<ul style="list-style-type: none"> ● Read Antigone ● See Antigone at Lyric Hammersmith at Easter ● Research information regarding Ancient Greek Theatre History ● Make notes regarding developing character physically, gesturally, considering gait, facial response and reactions, vocal timbre ● Notes regarding choices, colours, period/era, timings, transitions - feedback from audience ● Revising OCG Notes ● Continue to watch as much live theatre as possible.
Economics	<p style="text-align: center;">Teacher 1 (Mr McDonough)</p> <ul style="list-style-type: none"> ● Inflation ● Balance of Payments ● Monetary Policy ● Fiscal Policy <p style="text-align: center;">Teacher 2 (Mr Sakoulas)</p> <ul style="list-style-type: none"> ● Costs and Revenues ● Economies of Scale ● Objectives of Firms ● Perfect Competition ● Monopoly ● Market Failure 	<ul style="list-style-type: none"> ● Read ahead from the AS 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 Literature	<p>‘Hamlet’</p> <ul style="list-style-type: none"> ● The plot, characters and themes of this revenge tragedy play. ● The language, form and structural devices used by Shakespeare to create dramatic impact. ● How different theatre productions and critics have interpreted the play and how 	<ul style="list-style-type: none"> ● Keep detailed Drama/Chapter logs in order to consolidate and reflect in detail upon what you have read and discussed in class. ● Learn key textual details and short quotations in preparation for class Text Tests. ● Keep re-reading and annotating the texts.

	<p>these have developed since the 16th century.</p> <p>‘The Great Gatsby’</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. ● American context: 1880-1940. ● How literary critics have responded to the novel. 	<ul style="list-style-type: none"> ● Watch a range of 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. ● Explore a range of American literature from the time period 1880-1940. This can be on screen as well as in print.
Further Maths	<ul style="list-style-type: none"> ● Unit D: Functions and Modelling ● Unit E: Binomial Theorem ● Unit F: Trigonometry 2 ● Unit G: Parametric equations ● Unit H: Differentiation ● Unit I: Numerical Methods ● Unit K: Integration 2 ● Unit L: Vectors 2 ● Unit M: Regression and Correlation ● Unit N: Probability 2 ● Unit O: The Normal Distribution ● Unit P: Moments ● Unit Q: Forces ● Unit R: Kinematics 2 ● Unit S: Application of forces ● Unit T: Further Kinematics 	<p>This is now covering A2 content so all AS (Y12) content is expected to be known</p>
Geography	<ul style="list-style-type: none"> ● Topic 2B: Coastal Landscapes and Change <ul style="list-style-type: none"> ○ Why are coastal landscapes different and what processes cause these differences? ○ How do characteristic coastal landforms contribute to coastal landscapes? ○ How do coastal erosion and sea level change alter the physical characteristics of coastline and increase risks? ○ How can coastlines be managed to meet the needs of all players? ● Topic 4A: Regenerating Places <ul style="list-style-type: none"> ○ How and why do places vary? ○ Why might regeneration be needed ○ How is regeneration managed? ○ How successful is regeneration? 	<ul style="list-style-type: none"> ● All resources are on Google Classroom. <p>Useful links, wider reading and viewing</p> <ul style="list-style-type: none"> ● www.datashine.org.uk ● www.neighbourhood.statistics.gov.uk ● http://www.theguardian.com/news/data/blog/interactive/2012/nov/22/wages-map-britain ● http://www.ons.gov.uk/peoplepopulationandcommunity/culturalidentity/ethnicity/articles/ethnicityandnationalidentityinenglandandwales/2012-12-11 ● RGS website
German	<ul style="list-style-type: none"> ● The changing role of the Family, partnerships and marriage ● The digital world 	

	<ul style="list-style-type: none"> ● Youth culture, fashion, music and T.V ● Festivals and traditions ● Literature: The Reader ● Goodbye Lenin 	<ul style="list-style-type: none"> ● Read “ The Reader “ in English and German and make notes ● Watch the film Goodbye Lenin and make notes ● Always read ahead of each chapter before each lesson.
Government & Politics	<ul style="list-style-type: none"> ● The Constitution ● The Prime Minister & Cabinet ● Introduction to the USA 	<ul style="list-style-type: none"> ● Read newspapers ● Listen to podcasts ● Revise notes from Autumn Term ● Create revision resources.
Food Science and Nutrition	<ul style="list-style-type: none"> ● Understanding the nutritional requirements of children ● Classification of nutrients ● The structure of nutrients ● Food production methods and their effects on nutrients ● The function of nutrients in the human body ● Unsatisfactory nutritional intake ● NEA task (9.5hours) 	<ul style="list-style-type: none"> ● Look at the distinction level coursework exemplar at the back of your folders ● Investigate/research the nutritional requirements of children in preparation for your NEA task. ● Find 6-8 dishes that meet the nutritional requirements of children ● Read chapters 5-7 in the textbook
History	<ul style="list-style-type: none"> ● America: ● Eisenhower: Tranquility and Crisis, 1952–1960 ● The presidency: Eisenhower’s personality and the policies of ‘dynamic conservatism’; Nixon as Vice-President; the Republican Party; the end of McCarthyism ● The growth of the American economy in the 1950s and the impact of the ‘consumer society’ ● The USA and the Cold War: Superpower rivalry and conflict with the USSR; responses to developments in Western and Eastern Europe; reactions to the rise of Communism in Asia; responses to crises in the Middle East ● African-Americans in North and South: the emergence of the Civil Rights Movement; the policies and attitudes of the main political parties; the responses of the state and federal authorities <p>Tudors <u>Henry VIII, 1509–1547</u></p> <ul style="list-style-type: none"> ● Henry VIII: character and aims; addressing Henry VII’s legacy ● Government: Crown and Parliament, ministers, domestic policies including the 	<ul style="list-style-type: none"> ● Complete independent reading from the Reading list ● Revise notes from Autumn Term ● Create revision resources.

	<p>establishment of Royal Supremacy</p> <ul style="list-style-type: none"> ● Relationships with Scotland and other foreign powers; securing the succession ● Society: elites and commoners; regional issues and the social impact of religious upheaval; rebellion ● Economic development: trade, exploration, prosperity and depression ● Religion: renaissance ideas; reform of the Church; continuity and change by 1547 	
IT	<p>Unit 1 - Information Technology Systems - Externally assessed exam</p> <ul style="list-style-type: none"> ● Digital devices ● Uses of digital devices ● Input and Output devices ● Accessibility devices ● Manual and automatic data processing ● Operating systems ● Choices of OS ● Computer software in an IT system ● Open source and proprietary operating systems and softwares ● The features of common file types and formats ● Emerging technologies ● Implications of emerging technologies on the personal use of IT system <p>Unit 6 - Website development</p> <ul style="list-style-type: none"> ● Purpose and principles of a website products ● Requirements of a website ● Media and objects ● Creativity and innovation ● Search engine optimisation ● Indexing ● Factors affecting website performance 	<ul style="list-style-type: none"> ● Read ahead from Student book (Pearson BTEC National Information Technology) ● Recap of all GCSE topics covered in year 10 and 11 ● Practice worksheet for unit 1 exam ● Self assessment using mark schemes from Edexcel ● Make notes and annotate as required
Mathematics	<ul style="list-style-type: none"> ● Unit 5: Vectors ● Unit 8: Exponentials and Logs ● Unit 9: Statistical Sampling ● Unit 10: Data presentation and interpretation ● Unit 11: Probability ● Unit 12: Statistical Distributions ● Unit 14: Quantities and Units in Mechanics ● Unit 15: Kinematics 1 (constant acceleration) ● Unit 16: Kinematics 2 (variable 	<ul style="list-style-type: none"> ● Prerequisite knowledge from GCSE or previous units: vectors (inc geometric), exponential graphs, compound interest, interpreting frequency tables, types of data, scatter graphs, analysing data, probability, tree diagrams, venn diagrams, histograms, compound measures, interpreting distance-time and velocity-time graphs, differentiation, integration, roots of quadratics, area under a graph,

	<ul style="list-style-type: none"> acceleration) ● Unit 17: Forces and Newton's Law 	
Media	<ul style="list-style-type: none"> ● Component 2: Section A - Television in the Global Age ● Component 3: NEA Practical Production 	<ul style="list-style-type: none"> ● Wider contextual research on television in the global age - the research/consumption of global texts outside of the set allocated products. ● Theoretical perspectives - continued learning of the key theorists attached to the course. Use study booklet for reference. ● Research and planning for coursework - when the briefs have been set (March).
OCR Sport	<ul style="list-style-type: none"> ● Unit 8: Leading a sports event ● Unit 2: Sports coaching and leadership ● Unit 18: Practical activities in Sport ● Unit 11: Sport for specific groups 	<ul style="list-style-type: none"> ● Continued coursework completion referring to google classroom ● Design warm up and main activities for your chosen sport. ● Visit local sports clubs and watch how sessions are run/managed. ● Research school based sports events and design an appropriate event that you could run at school. ● Check previous assignments for corrections ● Refer to specification and assignment tasks to get ahead.
PE	<ul style="list-style-type: none"> ● Sports Psychology <ul style="list-style-type: none"> ○ Individual differences ● Sociology in Sport ● Physiology in Sport 	<ul style="list-style-type: none"> ● Increased independent learning ● Exposure to more exam questions ● Revisit and condense classroom notes ● Refer to specification to get ahead ● Complete pixl independent tasks
Photography	<ul style="list-style-type: none"> ● Buildings and Structures ● Portraiture ● Still life ● Dark room ● Exam theme ● Development and refinement of ideas ● Extending their techniques ● How to make an effective body of work ● Working to a theme 	<ul style="list-style-type: none"> ● Keeping up- organisation ● independent gallery visits ● Watching Art/photography programmes - portrait artist of the year, landscape artist of the year etc ● Attend external workshop ● Getting in the habit of taking photographs ● Explore, experiment, lookup at the world around
Physics	<ul style="list-style-type: none"> ● Force and Motion ● Momentum ● Work, Energy and Power ● Materials ● Electricity ● Waves 	<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, especially Chapter 7 and practical skills

	<ul style="list-style-type: none"> ● Optics 	<ul style="list-style-type: none"> ● Make sure folder is organised and up to date
Psychology	<ul style="list-style-type: none"> ● Unit 1 memory revision in class and topic test <p>Continue with Attachment topic - Unit 1 workshops will be held in class time - how to do a good essay in Psychology (Ao1 and Ao3) with explain and discuss Applied essay workshop (A01, A02, and A03) Continue from December start on this topic</p> <ul style="list-style-type: none"> ● Explanations of attachment: Learning theory ● Explanations of attachment: Bowlby's theory ● Ainsworth's Strange Situation ● Cultural variations in attachment ● Bowlby's theory of maternal deprivation ● Romanian orphan studies ● Influence of early attachment on later relationships <p>Start Memory topic</p> <p>coding capacity and duration of memory, MSM, Types of LTM, The WMM, Explanations for forgetting interference and retrieval failure, Factors affecting the accuracy of EWT misleading information, Factors affecting the accuracy of EWT - Anxiety, The cognitive interview, Exam based Revision of memory</p> <p>Students will be sitting a full paper after half term for UNIT 1</p>	<ul style="list-style-type: none"> ● Continued revision of previous material for unit 1 Memory, Social influence and also Research Methods from Unit 2 ● 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 ● Pre reading of Approaches and Psychopathology for preparation to start new topic after February half term pg 102-155 ● Complete practice questions at the back of your workbooks for each topic
Music	<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

