

Year 13 Curriculum Overview

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Psychology	Paper 3: Issues and Debates: Gender Vs culture, Freud Vs determinism, nature Vs nurture, holism Vs reductionism, Idiographic Vs nomothetic and ethical implications of research Paper 2: Inferential testing When to use and how to calculate the sign test, use of statistical tables and critical values in interpretation of significance, Type I and Type II errors, factors affecting the choice of statistical test, including level of measurement and experimental design, when to use the following tests: Spearman's rho, Pearson's r, Wilcoxon, Mann-Whitney, related t-test, unrelated t-test and Chi-Squared test	Paper 3: Schizophrenia (SZ) Classification of SZ, biological and psychological explanations of SZ, drug and cognitive behavioural therapy for SZ and the importance of an interactionist approach for SZ	Paper 3: Forensic Psychology Offender profiling, biological and psychological explanations of offending behaviour and dealing with offending behaviour	Paper 3: Cognition and Development Piaget's theory of cognitive development, Vygotsky's theory of cognitive development, Ballargeon's explanation of early infant abilities and the development of social cognition	Revision and exam practice in preparation for summer exams	
English Literature	Revision and Recap - Aspects of Tragedy: Othello, Tess of The D'Urbervilles, Death of Salesman: - This unit allows students to recap, revise and build upon knowledge of the three texts studied in Year 12.	Revision and Recap - Aspects of Tragedy: Othello, Tess of The D'Urbervilles, Death of Salesman: - This unit allows students to recap, revise and build upon knowledge of the three texts studied in Year 12.	Revision and Recap - Social and Political Protest: The Kite Runner, Songs of Innocence and Experience, The Handmaid's Tale: - This unit allows students to recap, revise and build upon knowledge of the three texts studied in Year 12.	Revision and Recap - Social and Political Protest: The Kite Runner, Songs of Innocence and Experience, The Handmaid's Tale: - This unit allows students to recap, revise and build upon knowledge of the three texts studied in Year 12.	Final exam preparation and revision: -Pupils to complete final exam preparation and revision. The foci will be based upon pupil performances in mock exams and assessments.	
Maths	Pure Unit 1 Algebraic methods Pure Unit 2 Functions and graphs Pure Unit 3 Sequences and series Pure Unit 4 Binomial expansion Pure Unit 5 - Radians Pure Unit 6 - Trigonometric functions	Applied Unit 1 - Regression, correlation and hypothesis testing Applied Unit 2 - Conditional probability Applied Unit 4 - Moments Applied Unit 5 - Forces and friction	Pure Unit 7 - Trigonometry and modelling Pure Unit 8 - Parametric equations Pure Unit 9 - differentiation Applied Unit 6 - Projectiles Applied unit 7 - Application of forces	Pure Unit 10 - Numerical methods Pure Unit 11 - Integration Applied Unit 3 - The normal distribution Applied Unit 8 - Further kinematics	Revision and exam practice	
Biology	Photosynthesis and stimuli and response.Nervous coordination(neurons and synaptic transmission)	Respiration. Nervous coordination (muscle structure and contraction. Homeostasis.	Genetics and populations and evolution. Populations and ecosystem	Mutations and gene expression Exam preparation (essay).	Genome projects and gene technologies. Exam preparation.	
Chemistry	Periodicity Transition metals Nomenclature - Complex nomenclature of new functional groups such as; acyl chloride, acid anhydrides, N-substituted amides.	Aromatic chemistry; introduction to the benzene ring, it's reactivity, why it is different to a normal alkene, mechanisms. Amino acids and proteins Reactions of inorganic compounds in (aq)	Organic synthesis- Identifying multiple steps	Structure and determination Chromatography. Hydrogen and Carbon NMR- looking at the choice of solvents and identifying species based on their spectrums, coupled with information from the mass spectrometry and infra red spectrums. TLC required practical.		
Physics	Simple harmonic motion. Gravitational fields, using circular motion as model. Kepler's Laws, particularly 3rd Law. Electric fields, relating to point charges and uniform fields. Capacitance as a field effect	Capacitance, using exponential function. Magnetic fields, and law of poles. Current producing magnetic field, and Fleming's Rule to orientate field, current, and force.Electromagnetic induction and EMF, and use in transformers. Heat capacities and Gas Laws, Leading to molecular kinetic theory	Molecular kinetic theory. Radioactivity - alpha beta and gamma radiations as stabilizing effects on nucleus. Fission and fusion, and reactors. Nuclear radius, obtained from existing data.	Discovery of electron, and methods to obtain charge and mass - Thomson and Millikan's experiments. More study of electrons in fields. Newton's corpuscular theory vs Huttgens' wave theory of light. Ultraviolet catastrophe leading to quantum. Einstein's observations of Maxwell's equations, leading to Special Relativity, including time dilation, length contraction, and mass increase	Revision and exam prep	
Physical Education	Socio Cultural – Sporting Excellence Sport Psychology - Social Facilitation Group / team dynamics A+P - Physical Training, Biomechanical Principles and injury	Socio Cultural – Sporting Excellence Sport Psychology - Goal setting / Attribution A+P - Linear, Angular motion, Fluid Mechanics and Projectiles	EAPI Sport Psychology - Confidence and self - efficacy A+P: Biomechanics	EAPI Sport Psychology - Leadership / Stress management A+P - Exam prep	Socio Cultural - Modern Technology in Sport Sport Psychology - Exam prep A+P - Exam prep	Exam prep for all units
BTEC Sport	Unit 2: LAA – Lifestyle factors	Unit 2: LAB – Screening processes	Unit 2: LAC – Programme related nutritional needs	Unit 2: LAD – Training methods	Unit 2: Exam prep	
Geography	Global Governance Changing Places NEA Statistics and water cycles	Global Governance Changing Places NEA, Statistics, water cycles.	Global Governance Changing Places Statistics and water cycles	Global Governance Changing Places Hazards recap Statistics	Revision and exam prep	
History	Making of Modern Britain - Thatcherism and new economic approach - Tsarist and Communist Russia - The leadership contest and the establishment of Stalin's dictatorship	Making of Modern Britain - High water mark of Thatcherism - Tsarist and Communist Russia - The impact of the Second World War on Russia	Making of Modern Britain - From Thatcher to Major - Tsarist and Communist Russia - Political authority and government until 1953	Making of Modern Britain - New Labour - Tsarist and Communist Russia - Economic developments under Stalin and Khrushchev	Making of Modern Britain - Iraq and WMD - Tsarist and Communist Russia - Opposition towards the Communist regime in the 1950s and 1960s	Revision and Exam skills
Sociology	Crime & Deviance Functionalist, strain & subcultural theories Class, power & crime Interactionism and labelling theory Gender, crime and justice	Crime & Deviance Realist theories Ethnicity Crime & Media Globalisation Control, punishment & victims	Media New Media Ownership & control Globalisation Selection of the news	Media Representations Audiences	Exam Prep / Revision	
BTEC Business	Unit 3 (CD) - Understand the purpose of accounting and select/evaluate different sources of business finance.	Unit 3 (EF) - Break even and cash flow forecasts. Complete statements of comprehensive income and financial position. Evaluate business performance.	Unit 8 (A) - Examine how effective selection and recruitment contribute to business success.	Unit 8 (B) - Undertake a recruitment activity to demonstrate the processes leading to a successful job offer.	Unit 8 (C) - Reflect on the recruitment and selection process and your individual performance.	

BTEC Health & Social Care	Unit 5 - LAD: Investigate the roles of professionals and how they work together to provide the care and support necessary to meet individual needs Unit 2 LAC - Working with people with specific needs in the health and social care sector	Unit 5 - LAD: Investigate the roles of professionals and how they work together to provide the care and support necessary to meet individual needs Unit 2 - Revision and exam practice	Optional unit	Optional unit	Optional unit	Optional unit
Media	Completing NEA / TV Peaky Blinders & The Bridge	Magazines - Vogue & The Big Issue	Online - Zoella & Attitude	Exam Skills and revision of C1 and C2 set texts		
BTEC Art & Design	Unit 3: The Creative Process in art and design. Evolution	Unit 3: The Creative Process in art and design. Evolution	Unit 3: The Creative Process in art and design. Evolution	Unit 2: Critical and Contextual Studies in Art and Design. Externally set task	Unit 2: Critical and Contextual Studies in Art and Design. Externally set task	
BTEC Performing Arts	Unit 19: Acting skills	Unit 19: Acting skills	Unit 3: Group Performance workshop	Unit 3: Group Performance workshop	Unit 3: Group Performance workshop	
BTEC Travel & Tourism	Unit 3: Principles of Marketing Unit 2: Global Destinations	Unit 3: Principles of Marketing Unit 2: Global Destinations	Unit 3: Principles of Marketing Unit 2: Global Destinations	Unit 3: Principles of Marketing Unit 2: Global Destinations	Unit 3: Principles of Marketing Unit 2: Global Destinations	