

6th Form Curriculum Content Overview: AS Level & L3 Equivalent Courses

6th Form	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Applied Science CTEC	Hazards in the laboratory: disease, h+s, symbols, lab design	Microbiology: biological, chemical and physical hazards	Microbiology: identification, farming, food and resistance	Product testing techniques: Hazard labelling, test method development, titrations and chromatography	Summative assessments	Year 13 preparation: Introduction to content and practical skills
Biology	Unit 1 - Biological molecules 1a, and 1b (carbohydrates, proteins, enzymes, lipids, DNA/RNA, water and inorganic ions). Assessments for both topic. Required practical 1.	Unit 2 – Cell Structure 2a (cell structure), 2b (transport across membranes), 2c cells and the immune system	Unit 3 – Organisms exchange substances with their Environment 3a - gas exchange in insects/fish/dicotyledonous plants, human gas exchange, lung disease 3b – digestion and absorption, haemoglobin and the circulatory system, mass transport in plants (xylem and phloem)	Unit 4 - Genetic information, variation and relationships between organisms Topic 4a – DNA, RNA and protein synthesis Topic 4b – Diversity and selection Topic 4c – Diversity and classification.	Revision for End of Year Exams	Analysis of AS Course Students analyse the complete AS course, in order to prioritise areas for more in-depth revision when preparing for the final A-level exams.
Business	What is business? Purpose and nature of business – the role and importance of stakeholders	Improve marketing performance. Marketing objectives, segmentation, using the marketing mix	Improve operational performance. Operational objectives, Making operational decisions	Financial performance. Financial objectives, Improving financial decisions.	Improve Human resource performance. HR objectives, Improving motivation,	Preparation for AS exams

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					Improving employer –employee relations	
Chemistry	Physical Chemistry Unit 1 – Atomic Structure Unit 2 – Amount of Substance Unit 3 – Bonding	Physical Chemistry Unit 4 – Energetics Unit 5 – Kinetics Unit 6 – Chemical Equilibria Unit 7 – Redox	Inorganic Chemistry Unit 1 – Periodicity Unit 2 – Group 2 Unit 3 – Group 7	Organic Chemistry Unit 1 – Introduction to organic chemistry Unit 2 – Alkanes Unit 3 – Halogenoalkanes	Organic Chemistry Unit 4 –Alkenes Unit 5 – Alcohols Unit 6 – Organic Analysis	Review of AS content and revision for end of year exams
Digital Media	Introduction to the course: <ul style="list-style-type: none"> Digital media: product and purposes Unit 2: Pre-production and planning 	<ul style="list-style-type: none"> Unit 2: Pre-production Target Audience & Demographics, including classification Legalities Mock 	<ul style="list-style-type: none"> Unit 2 Exam Unit 1: Media products and audiences Job roles Industry: independent v conglomerate 	Unit 1 & 2: <ul style="list-style-type: none"> Scenarios Project planning Creating media products 	Unit 3: Creating a Media Product <ul style="list-style-type: none"> Pre-production and planning Creation and testing Unit 1 revision 	Unit 1: Exam Unit 3: Creating a media product: course work project
English Literature	Introduction to English Literature – AQA Specification B – Aspects of Tragedy. Paper 1A – Section A: <i>Othello</i> by William Shakespeare.	Paper 1A – Section A: <i>Othello</i> by William Shakespeare – extract questions. Paper 1A – Section C: <i>Death of a Salesman</i> by Arthur Miller	Paper 1A – Section C: Selected Poetry by John Keats (AQA Anthology). Paper 1A – Section A and B: <i>Othello</i> extract and exam questions.	Paper 1A – Section C: Exam questions on <i>Death of a Salesman</i> and poetry by Keats. March mock examination: Paper 1A Aspects of Tragedy (2 hrs, 30 mins.).	Revision for internal end of Year 1 exams: Paper 1A.	Introduction to the AQA Critical Anthology and selected poetry for NEA 1 – Theory and Independence: Poetry. Text selection, reading and

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	Paper 1A – Section C: <i>Death of a Salesman</i> by Arthur Miller.	November mock examination preparation.				planning for NEA 2: Prose.
Graphics	AQA Coursework Unit 1.1- <ul style="list-style-type: none"> Staycation Poster design for a UK city 	AQA Coursework Unit 1.1- <ul style="list-style-type: none"> Staycation Poster design for a UK city 	AQA Coursework Unit 1.2- <ul style="list-style-type: none"> Corporate Identity and Hotel Packaging 	Practice NEA preparatory work and 10-hour practical practice examination.	Practice NEA preparatory work and 10-hour practical practice examination.	Practice NEA preparatory work and 10-hour practical practice examination.
History	Unit 1 – USA during Reconstruction (1865 – 1873) Unit 2 – How did Henry II restore Royal Authority 1154-1166?	Unit 1 – USA during the Gilded Age (1873 – 1890) Unit 2 – Henry II and the years of crisis (1166 – 1174)	Unit 1 – USA during the Progressive Era (1890 – 1914) Unit 2 – Henry II and the Peak of the Empire (1174-1183)	Unit 1 – USA before, during and after WWI Unit 2 – The Decline and Defeat of Henry II (1183-1189)	Unit 1 – USA in the 1920s and revision Unit 2 – England in 1189 and revision	Unit 1 – USA during the Great Depression Unit 2 – Richard I
Maths AS Level	Algebraic Expressions, Equations and Inequalities, Sketching Curves, Equations of straight lines.	Circles, Algebraic Expressions, Trigonometry. Proof.	Vectors, Differentiation, Integration, Exponentials and Logarithms,	Modelling, Kinematics, Forces, Graphing.	Data Presentation and Interpretation, Statistical Sampling and Hypothesis Testing.	Probability and Statistical Distributions
Maths Core	Spreadsheets Data and data collection Numerical calculations	Interest Rates Equation of a straight line. Sampling data.	Surface area and similarity. Graphical representation.	Further statistical analysis Probability Income Tax Venn diagrams	Revision for Exams.	

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	Percentages Representing data	Perimeter, circumference and area. Similarity and Pythagoras. Financial analysis.	Repayment and credit The Normal distribution Statistical analysis			
Photography	Moments in time Documentary Light manipulation/ shutter speed Research Personal response	Moments in time Documentary Light manipulation/ shutter speed Research Personal response	Mock/Exam The exam is cancelled this year but we will continue with a project similar which will go towards the coursework final grade.	Mock/Exam The exam is cancelled this year but we will continue with a project similar which will go towards the coursework final grade.	All work will be submitted and moderated by May 31st	
Physics	Unit 3 Waves 3.1 Progressive and stationary waves Required practical 1 Unit 4.1 Mechanics 4.1 Forces, energy and momentum Unit 5.1 Electricity 5.1 Current Electricity Required practical 5	Unit 3 Waves 3.2 Refraction, diffraction and interference Required practical 2 Unit 4.1 Mechanics 4.1 Forces, energy and momentum Required practical 3 Unit 5.1 Electricity 5.1 Current Electricity	Unit 2 Particles and radiation 2.1 Particles Unit 4.1 Mechanics 4.1 Forces, energy and momentum Unit 5.1 Electricity 5.1 Current Electricity	Unit 2 Particles and radiation 2.1 Particles Unit 4.1 Mechanics 4.1 Forces, energy and momentum Unit 5.1 Electricity 5.1 Current Electricity Required practical 6	Unit 2 Particles and radiation 2.2 Electromagnetic radiation and quantum phenomena Unit 4.1 Materials Required Practical 4 Unit 1 Measurement and their errors	Review of AS content and revision for end of year exams

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					Practice for exam paper 2	
Psychology	History of psychology. Research methods of studying behaviour. Ethical issues. Behaviourism Social learning. Biological approach Nature-Nurture debate	Cognitive approach Memory Attachments	Social Influence Abnormality (classification/definition) Phobias OCD Depression Statistics (Research methods)	Revision of topic areas from previous terms	Sit external/internal exam. Start A2 curriculum Brain lateralisation & Function Plasticity Ways of studying the brain Biological Rhythms	Psychodynamic approach Humanism Free will vs Determinism Holism vs Reductionism Idiographic vs nomothetic Gender and Culture Ethics of socially sensitive research Animal ethics
Sport	Unit 1 exam preparation for Body Systems Anatomy and Physiology examined unit. Bones, joints, muscles, anatomical movement.	Unit 1 Preparation for Body Systems Anatomy and Physiology Examined unit Heart and Vascular system. Respiratory System.	Unit 2 Sports Coaching and Activity leadership Basics of leadership, leadership Styles, team dynamics, and planning for effective sports session delivery.	Unit 2: Sports Coaching and Activity Leadership. Planning and Coaching groups of students in a chosen activity block for 6 weeks.	Unit 1 and 2 Preparation for Summer assessment. Coaching folders and presentations completed. Revision for June exam on Body Systems.	Unit 3. Sports organisations in the UK. Sports organisations, governing bodies and sports funding within the UK.

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Sociology	Paper 1: Theory and methods, education Paper 2: Health and society	Revision for mocks, methods, education, health Paper 1: Education Paper 2: Health	Paper 1: Methods in context Paper 2: Families Paper 2: Health	Revision for mocks, families and health Paper 2: Families Paper 2: Culture & Identity	Paper 2: Families Paper 2: Culture & identity Paper 3: Crime & deviance (A2 topic)	Revision for end of year exam, Year 1 topics
Tourism	Classifying types of tourists. Appeal of UK tourism destinations. Sectors of the UK tourism industry.	Types of Tourism product. Types Of Tourism destinations.	Marketing Tourism by different organisations. Employment opportunities in Tourism. Skills, qualities and qualifications required by the tourism industry.	Employment trends in tourism. The importance of managing UK tourism destinations Factors that may impact future tourism.	Coursework. Exam revision.	Coursework. Exam revision.