Year 12 Curriculum Overview 2020-21

Year 12	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Art	Topic(s): Toolbox Teacher-led experiments AO2 Assessment: Formative	Topic(s): Toolbox Teacher-led experiments AO2 Assessment: Formative	Topic(s): CW student-led AO1 Assessment: Formative	Topic(s): CW student-led AO1/AO2 Assessment: Formative	Topic(s): CW student-led AO1/AO2/AO3 Essay Assessment: Formative MOCK EXAM	Topic(s): CW student-led AO1/AO2/AO3 Assessment: Formative
Biology	Topic(s): Module 2 - Cell structure and cell membranes Module 2 Biological molecules Assessment: Initial maths skills test Cell structure test Biological molecules test	Topic(s): Module 2 Cell Division Module 2 Nucleic acids and Enzymes Assessment: Cell membranes test Cell Division test Nucleic acids test	Topic(s): Module 3 - Exchange surfaces and breathing Module 4 - Communicable diseases Assessment: Enzymes test Exchange surfaces and breathing test	Topic(s): Module 3 Transport in animals Module 4 - Biodiversity Assessment: Communicable diseases & Transport in animals tests	Topic(s): Module 3 - Transport in plants Module 4 - Classification and evolution Assessment: Biodiversity test Classification test Transport in plants test	Topic(s): Biodiversity Fieldwork (Module 6 Ecosystems) MOCK EXAM (OR Exemplar Assessments) AS Breadth and Depth papers
Business Studies	Topic(s): Unit 1 - What is business? Unit 2 - Managers, leadership and decision making Assessment: Unit 1 and 2 Topic	*Topic(s): Unit 5 – Decision making to improve financial performance - Break even - Profit - Source of finance - Cash flow Assessment: Unit 5 Topic	*Topic(s): Unit 3 – Decision making to improve marketing performance - Marketing Mix - Market research - Market segmentation - PED/YED	**Topic(s): Unit 4 – Decision making to improve operational performance - Capacity utilisation - Lean production - Inventory - Supply chains Assessment: Unit 4 Topic Assessment	**Topic(s): Unit 6 – Decision making to improve HR performance - Motivation - Employee/ employer relations - Trade Unions Assessment: Unit 6 Topic Assessment	Topic(s): Unit 8 – Choosing Strategic Direction - Ansoff Matrix - Strategic positioning Unit 9 – Strategic Methods - Internationalisation

	Assessment	Assessment	Assessment: Unit 3 Topic Assessment			Assessment: Mock AS Exam Papers (Units 1-6)
Chemistry	Topic(s): Chapters 2.1 and 2.2 Assessment(s): Progress test and progress test resit (if needed). 2.1 and 2.2 assessed Homework tasks	Topic(s): Chapters 2.1 and 2.2 Assessment(s): Chapters 2.1 and 2.2 Module tests. (Resits available if needed) 2.1 and 2.2 assessed Homework tasks	Topic(s): Chapters 3.1 and 4.1 Assessment(s): Chapters 3.1 and 4.1 Module tests. (Resits available if needed) 3.1 and 3.2 assessed Homework tasks	Topic(s): Chapter 3.2 and 4.2 Assessment(s): Chapter 4.2 Module test. (Resits available if needed) 3.2 and 4.2 assessed Homework tasks	Topic(s): Continue and complete Chapter 3.2 Preparation for mock exams after half term Mock exam revision over half term Assessment(s): C3.2 Module test. (Resit available if needed)	Topic(s): Go through Mock exams Start Module 6.1 (Introduction to Benzene) Set Benzene essay as Summer holiday homework) MOCK EXAM (OR Exemplar Assessments).
Design Technology & Food & Nutrition	Topic(s): Product Design Working from contexts: Students to write their own brief initial designs. Students learn to work from a context and identify a problem through guided practice. Write a specification for their work. Theory content taught: Design and Innovation	Topic(s): Product Design Lighting project using timber and fabric. Use of electronics in products. Use of CAD/ CAM Theory content taught: Generate and develop ideas Communicate ideas & information Detail design Innovation Consider issues when designing	Topic(s): Product Design Making Skills Core technical skills required for course taught through various make tasks. Theory content taught: Materials and their application Systems components Components in control systems Electronic components Microprocessor control	Topic(s): Product Design Upcycle Project Theory content taught: Processes Hand methods Machine methods Combining/forming materials Computer-aided manufacture Structural systems Switching, monitoring and interfacing Design of products and systems Work with tools and equipment Assessment(s):	Topic(s): Product Design Revision Assessment(s): Practice Exam questions	Topic(s): Product Design Contextual Challenge MOCK EXAM (OR Exemplar Assessments)

	Principles of designing Research techniques Analysis of the problem Problem solving strategies Quantitative and qualitative testing Develop proposals Assessment(s): Practice coursework content marked Practice exam questions	Ergonomics and anthropometrics Systems design techniques Computer systems for designing Materials and their application Assessment(s): Practice coursework content marked Practice exam questions	Mechanical control Static and dynamic forces Forms of energy Pneumatic control Materials with specific properties Modern material technology Components and their application Work with materials & components Assessment(s): Practice coursework content marked Practice exam questions	Formative Practice exam questions		
Drama	Topic(s): Devising-practice piece Assessment(s) Practice piece assessed.	Topic(s): Study and exploration of exam text-Machinal Assessment(s): Practice Questions Live Theatre Evaluation	Topic(s): Introduction and exploration of Metamorphosis-stimulus text for component one –devising.	Topic(s): Preparation and rehearsal for component one	Topic(s): Preparation and rehearsal for component one. Drafting process for written exploration begins Assessment(s):	Topic(s): Final rehearsals and drafting for component one(practical and written) Assessment A Level Unit one completed and assessed. This is 40% of their actual A level
English						

	Topic(s): Sense and Sensibility/the unseen Coursework Hamlet Assessment(s): As appropriate for each unit	Topic(s): Sense and Sensibility/the unseen Coursework Hamlet Assessment(s): As appropriate for each unit	Topic(s): Sense and Sensibility/the unseen Coursework Paper 1, text 2 Assessment(s): As appropriate for each unit	Topic(s): Sense and Sensibility/the unseen Coursework Hamlet revision Assessment(s): As appropriate for each unit	Topic(s): Sense and Sensibility/The unseen/ Coursework Paper 1, text 2 Assessment(s): End of year assessment on Hamlet and unseen prose.	Topic(s):
French	Topic(s): Relationships/family New technology Assessment(s): vocabulary / grammar	Topic(s): Relationships/family New technology Assessment(s): Units 1 and 2 test	Topic(s): Youth culture Festival traditions Assessment(s): vocabulary / grammar	Topic(s): Youth culture Festival traditions Assessment(s): Units 3 and 4 test	Topic(s): Art and architecture Berlin Assessment(s): Practise AS exams	Topic(s): begin chosen Film IRP (individual research project) MOCK EXAM (OR Exemplar Assessments) Oral focus
Geography	Topic(s): Coasts +Rebranding Assessment(s):Essays	Topic(s):Coasts +Rebranding Assessment(s): Essays	Topic(s): Globalisation + Tectonics Assessment(s): Essays	Topic(s): Coasts + Tectonics Assessment(s): Essays	Topic(s): NEA Assessment: revision work	Topic(s): NEA No exam – coursework write up
German	Topic(s): Relationships/family New technology Assessment(s):vocabulary / grammar	Topic(s): Relationships/family New technology Assessment(s): Units 1 and 2 test	Topic(s): Youth culture Festival traditions Assessment(s): vocabulary / grammar	Topic(s): Youth culture Festival traditions Assessment(s): Units 3 and 4 test	Topic(s): Art and architecture Berlin Assessment(s): Practise AS exams	Topic(s): Good-Bye Lenin IRP (individual research project) MOCK EXAM (OR Exemplar Assessments) Oral focus
History	Paper One – Tsarist and Communist Russia 1865-	Paper One – Tsarist and Communist Russia 1890-1905	Paper One – Tsarist and Communist Russia 1905-1914	Paper One – Tsarist and Communist Russia 1914-1917	Paper One – Tsarist and Communist Russia 1917-1924	NEA – Coursework Project

	1890 Paper Two – The Making of Modern Britain 1951-1964	Paper Two – The Making of Modern Britain 1964-1970	Paper Two – The Making of Modern Britain 1970-1974	Paper Two – The Making of Modern Britain 1974-1979	Paper Two – The Making of Modern Britain 1979-1983	
Law	Topic(s): The legal system: intro to nature of law; civil courts and ADR; criminal courts and lay people; legal personnel; access to justice. Assessment: paper 01 section A style assessment (45 mins)	Topic(s): Law making: Parliamentary law making; delegated legislation; statutory interpretation; judicial precedent; law reform; EU law. Assessment: paper 02 section A style assessment (45 mins)	Topic(s): Criminal Law: General elements and theory; fatal offences; non-fatal offences; offences against property. Assessment: paper 01 section B style assessment (45 mins)	Topic(s): Criminal Law: mental capacity defences; general defences; preliminary offences; evaluation. Assessment: paper 01 section B style assessment (45 mins)	Topic(s): Law of Tort: Rules and theory; liability in negligence; occupiers liability; land torts. Assessment: paper 02 section B style assessment (45 mins)	Topic(s): Law of Tort: vicarious liability; defences; remedies; evaluation. Assessment: MOCK EXAM full papers 01 and 02 (3hrs)
Maths	Topic(s): Pure – Indices and surd, trigonometry, quadratics, simultaneous equations and inequalities, polynomials. Stats – The data cycle, summary statistics, Mechanics- Kinematics and vectors	Topic(s): Pure – binomial expansion Stats – The data cycle, representing data, permutations and combinations Mechanics- Kinematics, vectors and forces and Newton's Laws Assessment(s): Formative	Topic(s): Pure – calculus: differentiation Stats – Probability, Binomial Distribution, Hypothesis testing Assessment(s): Formative	Topic(s): Pure – integration, coordinate geometry Mechanics – Variable acceleration Assessment(s): END of YEAR MOCK	Topic(s): Pure –Graph transformations, sequences and series Assessment(s): Formative	Topic(s): Pure – logarithms, exponentials, further differentiation and integration Assessment(s): Formative

	Assessment(s): Formative					
Maths- Further Maths	Topic(s): Pure – Statistics - Binomial distribution, discrete random variables Assessment(s): Formative	Topic(s): Pure - Statistics – Poisson Distribution, Uniform and Geometric Distributions Assessment(s): Formative	Topic(s): Pure - Statistics – Bivariate Data analysis, PMCC, LSR, Rank correlation Assessment(s): Formative	Topic(s): Pure - Statistics – Chi squared distribution and good ness of fit Assessment(s): Formative	Topic(s): Pure - Statistics – Conditional Probability, Bayes theorem, Normal Distribution Assessment(s): Formative	Topic(s) Pure - Statistics – Continuous random variables Assessment(s): MOCK EXAM
PE Physiology Psychology Biomechnics Socio-Cultural NEA	Skeletal and muscular systems Skills and practice Newtons laws of motion Types of force and factors affecting force Emergence and evolution of modern sport - Pre Industrial Revolution Year 12 Initial assessment (2nd week	Cardiovasuclar system Learning stages theories Free Body Diagrams and vertical/horizontal forces Post Industrial Revolution Sport Progress test of all theory topics	Cardiovascualr and respiratory system Guidance and feedback COM, stability and lever systems 20th and 21st Century Sport Year 13 mock exam and oral exam	Diet and Nutrition Individual differences Limb kinematics, force plates and wind tunnels Global sporting events - the modern Olympic Games Progress Test of all theory topics	Consolidation and exam preparation Year 12 mock exam Year 13 Exam	Preparation and training methods Team dynamics and goal setting Oral Preparation
Personal Social & Health Education & Citizenship, Careers	Topic(s): Induction to PHSG, time management and organisation,	Topic(s): Healthy relationships / consent, alcohol, sexual health.	Topic(s): Personal finance, employability skills (You're Hired)	Topic(s): Social media, careers (UCAS and Skills SW), Study skills and dealing with stress.	Topic(s): Radicalisation, sexuality, careers.	Topic(s): Equality, religion and belief, mental health and stress.

	wellbeing	Careers				
Physics	Topic(s): · Rectilinear motion · Momentum · Charge and current · Potential difference, electromotive force and power · Current – pd. Relationships Assessment: Rectilinear motion test – teacher marked, with comments Basic electricity test – peer marked, with teacher comments CP1: Determine the acceleration of a freely-falling object. – self-assessment, teacher comments	Topic(s): · Forces · Work, energy and Power · Resistance and resistivity · Internal resistance, series and parallel circuits and the potential divider Assessment: Mechanics test – peer assessment, with teacher comments Yr 12 electricty test – teacher marked, with comments CP2: Determine the electrical resistivity of a material. – self-assessment, teacher comments CP3: Determine the e.m.f. and internal resistance of an electrical cell. – self-assessment, teacher comments	Topic(s): · Fluids · Nature of waves · Transmission and reflection of waves Assessment: Fluids test – self-assessment, with teacher comments CP4: Use a falling-ball method to determine the viscosity of a liquid. – self-assessment, teacher comments CP6: Determine the speed of sound in air using a 2-beam oscilloscope, signal generator, speaker and microphone. – self-assessment, teacher comments	Topic(s): · Solid materials · Superposition of waves · Particle nature of light Assessment: Materials Test – teacher marked, with comments Waves and Light test – teacher marked, with comments CP5: Determine the Young modulus of a material– self-assessment, teacher comments CP7: Investigate the effects of length, tension and mass per unit length on the frequency of a vibrating string or wire – self-assessment, teacher comments CP8: Determine the wavelength of light from a laser or other light source using a diffraction grating. – self-assessment, teacher comments	Topic(s): · Specific Heat Capacity · Internal energy, absolute zero and change of state · Gas laws and kinetic theory · Electric fields · Capacitance · Magnetic fields Assessment: CP11: Use an oscilloscope or data logger to display and analyse the potential difference (p.d.) across a capacitor as it charges and discharges through a resistor. – self-assessment, teacher comments CP12: Calibrate a thermistor in a potential divider circuit as a thermostat. – self-assessment, teacher comments CP13: Determine the specific latent heat of a phase change. – self-assessment, teacher comments CP14: Investigate the relationship between pressure and volume	

					of a gas at fixed temperature. – self-assessment, teacher comments	
Politics						
Psychology	Topic(s): Memory Assessment: End of topic test: exam conditions: Memory past paper	Topic(s): Social Assessment: End of topic test: exam conditions: Social past paper	Topic(s): Attachment Assessment: End of topic test: exam conditions: Attachment past paper	Topic(s): Approaches/Psychopathology Assessment: End of topic test: exam conditions: Memory past paper	Topic(s): Biopsychology/Research Methods Assessment: End of topic test: exam conditions: Biopsychology/Research Methods	Topic(s): Forensics MOCK EXAM (OR Paper 1/2 mock exam
Religious Studies	Topic(s): Buddhism: Life of the Buddha, Key concepts: Four Noble Truths, three marks Philosophy: Ancient philosophical influences Assessment(s): Practice exam questions	Topic(s): Buddhism: Key concepts: Kamma, dependent origination, nibbana Philosophy: Soul, mind and body Ethics: Natural Law Assessment(s): Practice exam questions	Topic(s): Ethics: What is 'Ethics'? Ethical theories: Situation ethics, applied ethics: Euthanasia Philosophy: Arguments based on observation Assessment(s): Practice exam questions	Topic(s): Buddhism: Refuge and monasticism, : Mahayana Buddhism Philosophy: The problem of evil Ethics: Utilitarianism Assessment(s): Practice exam questions	Topic(s): Ethics: Business Ethics Philosophy: arguments based on reason Assessment(s): Practice exam questions	Topic(s): Revision MOCK EXAM (OR Exemplar Assessments)