

		Year 11 Curriculum Overview										
		Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		
		GCSE English Language is delivered in cycles of 10 lessons, alternating focus between Paper 1 and Paper 2 skills for the first 4 cycles, followed by preparation for examination										
CORE CURRICULUM	English Language	Paper 1 - Dystopian Fiction Introduction to reading and writing fiction	Paper 2 - Social Media and Popular Culture Introduction to reading and writing non-fiction	Paper 1 - World Literature Developing responses to fiction	Paper 2 - True Crime Developing responses to non-fiction	Paper 1 - Q4 Evaluation, Q5 narrative and descriptive writing, Paper 2 - Q4 Comparison, Q5 writing to argue and persuade	Revision and preparation for examinations - walk-through papers					
	Maths	In Year 11, students recap and revisit all topics covered previously. For Foundation Tier students, all topics have been covered in Years 7-10 and therefore this is a case of recapping and extending where necessary. For Higher Tier students, there will be extension and coverage of previously untaught topics.										
	Further Maths	Students aiming for Grade 7+ in Maths attend an additional lesson and have the option of being entered for a GCSE in Further Maths.										
	Further Maths	Factor theorem, function notation/ domain/ range, further domain/ range	Matrices - scalar multiplication, multiply matrix by matrix, single/combined transformations, identity and zero matrix			Trigonometry - solving equations, identities, differentiation - language, rearranging fractions, increasing/decreasing, tangents and normals	Differentiation - stationary points, max/min problems, simultaneous equations - 3 unknowns	Circles - centres, completed square form, sequences - quadratic, limiting values				
	Combined Science	All Yr 11 students will follow the Combined Science curriculum covering three areas of Science for a Double GCSE Award in Science, unless they opt for Separate Science where additional content will be covered for three separate										
	Chemistry	Electrolysis - products from electrolysis, electroplating, chemical cells and fuel cells	Quantitative chemistry - masses and empirical formulae, conservation of mass, moles			Revision of all topics in preparation for examinations						
	Biology	Ecosystems and material processes - interactions between organisms, investigating ecosystems, human impact on biodiversity and conservation, carbon cycle, nitrogen cycle, water cycle										
	Physics	Motion and forces - Newton's laws, mass and weight, momentum, stopping distances, crash hazards			Energy and forces - vectors, scalars and calculating speed, rotational forces, work done and power							
	PE	Yr 11 students will have access to a range of sports and activities throughout the year, with opportunities to develop confidence, apply physical skills and engage in cooperative and competitive activity with others.										
	PE	Football, rugby, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Football, rugby, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Football, rugby, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Football, rugby, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Football, rugby, gymnastics, netball, basketball, badminton, dodgeball, fitness, longball, handball, hockey	Dodgeball, fitness, longball, cricket, rounders, softball, tennis, athletics					
EBACC SUBJECTS - Students select at least one as a compulsory option	Separate Science	Students opting for Separate Science will study for three GCSEs in Chemistry, Physics and Biology respectively.										
	Chemistry	Electrolysis - products from electrolysis, electroplating, chemical cells and fuel cells	Dynamic equilibria - fertilisers and the Haber process, factors affecting equilibrium, Organic chemistry - alkanes and alkenes, ethanol production, alcohols, carboxylic acids, polymers			Revision of all topics in preparation for examinations						
	Biology	Ecosystems and material processes - interactions between organisms, investigating ecosystems, energy efficiency and transfer, human impact on biodiversity and conservation, food security, carbon cycle, nitrogen cycle, water cycle, decomposition										
	Physics	Motion and forces - Newton's laws, mass and weight, momentum, stopping distances, crash hazards			Energy and forces - vectors, scalars and calculating speed, rotational forces, work done and power							
	Computer Science	Students studying Computer Science will cover the same topics as taught in Year 10, but using different learning resources to draw upon and build on prior learning and achieve greater depth of knowledge and understanding.										
	Computer Science	Hardware - input/output devices, memory, storage, CPU, SSDs, motherboard, computer architecture and storage, logic - binary/denary, binary/hex, logic gates, and/or not, software systems - operating systems, firewalls, encryption, defragmentation	Ethical, legal, cultural and environmental issues - hardware disposal, exposure to chemicals/materials, religious/cultural problems, Government surveillance, VPNs for security, phishing/pharming and internet dangers	Programming - Python skills and commands (i, else, elif, print, input), iteration, sequence, selection, data constructs, string manipulation lists, arrays, data dictionaries	Computational thinking - pattern recognition, abstraction, decomposition, algorithm development	Robust programming - considerations of software design, minimising security risks, testing, software lifecycle	Networks and networking - wired and wireless networks, protocols and protocol stacks, networking equipment, types of networks, topology, packet switching, the internet and its protocols					
	History	History around us: Pendennis Castle - location and creation, change and use through history, significant firms in the site's past, significance of physical remains, how the site reveals everyday life/attitudes/values in history, artistic reconstructions of remains, challenges of studying historic environments										
	Geography	The Changing Economic World - classification of parts of the world based on quality of life and economic development, DIM model, causes of uneven development, tourism in Jamaica, Nigeria case study, changes to UK economy, employment and growth.			Pre-release material preparation (12 weeks pre-exam) - study of resources which could include maps, scale diagrams, graphs, statistics, photographs, satellite images, sketches, extracts from published materials etc., revision of all topics in preparation for examinations							
	French	Global issues - environment, poverty, discussing problems and solutions, social issues, inequality, modal verbs (pouvoir/falloir/devoir), using si and the conditional mood	Current studies - comparing school life in Britain and France, using comparatives and superlatives			Future studies and careers - discussing future options and job preferences, expressing wishes, revision of si and quand used in the conditional	Preparation for speaking exam - practise role-play scenarios, identify favourite theme for discussion, sharpen responses to questioning	Revision of all topics in preparation for examinations - practise listening and writing exercises, revision of all tenses				
	Spanish	My studies - school and school subjects, the school day, imperatives, personal a	Life at school - comparing school life in Britain and Spain, school rules, good and bad aspects, using comparatives and superlatives, verbs that take the infinitive	Future studies - discussing future options and study, lo que + adjective, expressions with tener, present subjunctive			Jobs, careers and ambitions - applying for jobs, job preferences, using a variety of tenses	Preparation for speaking exam - practise role-play scenarios, identify favourite theme for discussion, sharpen responses to questioning	Revision of all topics in preparation for examinations - practise listening and writing exercises, revision of all tenses			
OPTIONS SUBJECTS - students select up to three of these to complete their four options	Animal Care	Animal health (Unit 1 examined unit) - signs of good and ill health, common diseases (causes, transmission, treatment), signs and symptoms of common parasites (prevention and treatment)			Individualised programme of study - depending on outcomes of unit 1 January exam, students either prepare to re-sit the unit 1 exam in June or undertake personalised work in support of their preparation for other GCSE subjects							
	Art	Project Work (titles change and evolve each year) - currently 'Altered State' - revisiting observational drawing and different media e.g. pencil/pen/watercolour/pastel/acrylic, revisiting print methods, textile techniques, artist research and individual enquiry, planning individual outcomes, experimenting with techniques, tying together ideas			Preparation for examination - observational drawing mock exam, preparation of portfolio of topic and artist research, planning, experimentation and photography				Final preparation and exam (10 hours) - under the July release of DfE/Ofqual Guidance for 2022. Assessment will be based on 100% coursework portfolio.			
	Business Studies	Business theory (RO64 examined unit) - marketing techniques, product development and viability, small business ownership, functional activities			Individualised programme of study - depending on outcomes of January exam, students either prepare to re-sit exam in June or undertake personalised work in support of their preparation for other GCSE subjects							
	Construction and the Built Environment	Construction Technology (Unit 1) - structural performance for low-rise construction, explore how sub-structures and super-structures are constructed		Construction Design (Unit 3) - understanding the construction industry, client needs and brief for low-rise construction, sketch ideas		Exploring brickwork and blockwork techniques and principles (Unit 6) - understanding tools, equipment and materials for brickwork and blockwork, practical skills and safe techniques	Exploring painting and decorating techniques and principles (Unit 7) - understand tools, equipment and materials, safe techniques to complete surface preparation tasks and apply surface finishes	Exploring electrical techniques and principles (Unit 9) - understand tools, equipment and materials for electrical operations, safe techniques and practical skills				
	Dance	Emancipation of Expressionism Class Dance for Dance Platform. Duet/trio TEMP Skills and final assessment. Artificial Things by Lucy Bennett (anthology work 6/6)										
	Drama	Study of Live Production - revision of live production seen, practice of scenes from the play, review design aspects and directorial decisions, practice exam questions, rehearsal	Texts in practice - choosing of texts through reading and researching a range of plays, identification of extracts to perform, research of social and historical context, staging ideas			Preparation for mock exams - exploring and developing character, rehearsal, revision/preparation/feedback from mock exam	Practical examination and performance - improvements, technical effects, lighting and sound cues, dramatic intentions	Final revision for written examination				
	Food Preparation and Nutrition	NEA task 1 (released by exam board) - research, investigation, analysis and evaluation, 3 hour practical exam		NEA task 2 (released by exam board) - investigating and planning, making final dishes, analysis and evaluation, 3 hour practical exam		Revision of all topics in preparation for examinations - revision of food nutrition and health, food science, food safety, food provenance, food choice						
	Graphic Design	Generate a design for a portfolio (unit 4)	Curate a Design portfolio (unit 4)	Unit 5 Externally set brief. Learners will develop an outcome based on their given brief.	Unit 5 Externally set brief. Learners will develop an outcome based on their given brief.	Revision of all topics in preparation for examinations						
	Hair and Beauty	Basic Skin Care-Learners will learn how to perform a basic skincare treatment, how to prepare yourself, the client and work area. The different products used during the basic skincare treatment and how to apply them. How to carry out a consultation and find out what the client wants. Learn how to identify your client's skin type, which will help decide which products to use and how to apply the products to provide a professional finish.			Colour hair using semi permanent colour-Through this unit learners will learn how to apply a semi-permanent colour to hair, the effects of semi-permanent colouring and how long it lasts. Learners will follow manufacturer's instructions and have an understanding of how this colouring process works on hair. They will also be able to state aftercare advice on how to ensure the colour lasts and which shampoo to use.							
	Health and Social Care	Component 2: Producing coursework to assignment brief - Learning Aim A: Understand the different types of health and social care services and barriers to accessing them.		Component 2: Learning Aim B: Demonstrating the care values and reviewing own practice in a role play for the assignment brief. BEGIN Component 3 (EXAM): Factors affecting health and wellbeing			Component 3 (EXAM): complete factors affecting health and wellbeing. BEGIN Interpreting Health Indicators	Health improvement plans: Understand the features of health improvement plans and how these support individuals. Obstacles to implementing plans: learners will explore the obstacles that individuals can face when implementing plans and how they may be mitigated.	Revision of all topics in preparation for examinations			
Media Studies	TV Crime Drama - in-depth study of television as a media form that focuses on two media products - one historical and one contemporary; social/historical/cultural/political contexts; case study texts: The Avengers and Cuffs. Covers all areas of Theoretical Framework. NEA - production finalising.			News: in-depth study of UK newspapers, historic and contemporary front covers (The Observer), audiences, media language, representations, contemporary newspaper industry.		News: - in depth study of UK online news, (The Observer) social and participatory media. Audiences, media language, representations, contemporary newspaper industry.		Revision of all topics in preparation for examinations				
Music	AoS1/2: Musical Forms & Devices & Music For Ensemble Revision and Enhancement, Performance/Recital Exam 1, Continue Free Composition & Explore Composition Set Brief		AoS 3/4: Film Music & Popular Music: Revision and Enhancement, Performance/Recital Exam 2, Development of Composition Portfolios			Set Study Pieces 1/2 Revision and Enhancement, Performance/Recital Exam 3, Development of Composition Portfolios.	Listening & Appraising Exam Techniques/Practice, Performance/Recital Exam 4, Completion and Submission of Composition portfolio	Revision of all AoS topics in preparation for examinations				
PE (GCSE)	Analysis of performance - AEP coursework, practical moderations - rugby, football, netball			Socio-economic issues and sports psychology - engagement patterns of different social groups, commercialisation of physical activity and sport, socio-cultural and ethical issues, practical moderation - hockey, basketball		Exam preparation and practical moderation (external)						
Health and Fitness NCFE	Synoptic Project preparation			Synoptic Project preparation		Synoptic assessment (coursework)	Synoptic assessment and Unit 1 resit exams	Additions to coursework				
Photography	Individual topic choice - continued from end of Year 10, extension and portfolio completion			Individual topic choice - development and final piece creation, portfolio completion and contextualising		Final exam - research and experimentation	Final exam - development and final piece planning	Final preparation and exam (10 hours)				
Engineering	Btec Unit 2a & 2b - Completion of final major project. Reverse engineering via disassembly to evaluate component materials, manufacture and function. Learner to then recreate the component in the workshop, replicating the manufacturing techniques used in industry.											
RE (GCSE)	Ethics in the modern world from a Christian perspective - relationships and families, attitudes/purpose of marriage, civil partnerships/same-sex marriage, co-habitation, celibacy, contraception, abstinence, divorce, roles of men and women, equality, slavery			The existence of God - nature of God, Trinity, God's relationship with humanity, evil and suffering, nature of reality, arguments for God's existence, conversion, miracles, sacraments		Religion, peace and conflict - violence, terrorism, Islamic extremism, Just War theory, Holy War, attitudes to war, value of peace, pacifism, forgiveness, reconciliation, justice/injustice	The role of religion in society- the Monarchy, role of religion in politics, humanism, atheism, agnosticism, secularisation, religious and secular values in education, medical ethics (euthanasia, abortion, genetic manipulation) exclusivism/inclusivism					
Textiles	Fashion design project - communicating ideas in 3D, explore 3D visual language and working practices, investigating how artists/craftspeople/designers communicate in 3D, responding to design brief and specification, analysing designer work, sketches, patterns, decorative techniques, designs and evaluation					Practical exam unit - Creative Project in Art and Design (externally set task) - primary and secondary research, designing and prototyping, experimentation and use of materials, critical and creative problem solving						