



WALTON HIGH SCHOOL – YEAR 12 CURRICULUM OVERVIEW

Subject		HT1 (Sept-Oct)	HT2 (Nov-Dec)	HT3 (Jan-Feb)	HT4 (March-April)	HT5 (April-May)	HT6 (June-July)
Art	Main Topics	Conceal Workshops to introduce the course Initial Ideas. Mood board and mind map creation. Initial pieces and experimentations.	Conceal Photography for Development work Finishing Initial pieces and experimentations.	Conceal Development Use own photography as starting points for development pieces and further experimentation. Start 1000-3000 word Personal investigation into their own practice. Introduction- Artist Statement.	Conceal Development Use own photography as starting points for development pieces and further experimentation. Continue 1000-3000 word Personal investigation into their own practice. Main body- Artist criticism and critique of own practice.	Conceal Further Development Develop work further in order to plan a final outcome or more than one final outcome. Continue 1000-3000 word Personal investigation into their own practice. Main body- Artist criticism and critique of own practice.	Conceal Further Development Develop work further in order to plan a final outcome or more than one final outcome. Continue 1000-3000 word Personal investigation into their own practice. Main body- Artist criticism and critique of own practice.
	Assessment Information	Students will explore a wide range of materials and techniques in workshop based introductions to the course.	Students will explore and develop skills in the medium of Photography. With a view to use photography as a starting point for their own art practice.	Investigate and research the work of contemporary and historical artists Develop their own practice as artists.	Investigate and research the work of contemporary and historical artists Develop their own practice as artists.	Review and refine their own practice in order to create resolved outcomes.	Review and refine their own practice in order to create resolved outcomes.
Biology	Main Topics	Cell Biology <ul style="list-style-type: none"> Eukaryotic vs. Prokaryotic Cells Light vs. Electron Microscopes Ultracentrifugation Biochemistry <ul style="list-style-type: none"> Carbohydrates ATP Water Proteins Enzymes 	Cell Biology <ul style="list-style-type: none"> Membranes Diffusion, Osmosis, Active Transport and Cotransport. Cell Cycle and Mitosis. Animal Physiology <ul style="list-style-type: none"> Haemoglobin Blood Vessels The Heart and Circulatory System. The Cardiac Cycle Biochemistry <ul style="list-style-type: none"> DNA structure and Replication. The Triplet Code Health and Disease <ul style="list-style-type: none"> Cancer 	Health and Disease <ul style="list-style-type: none"> Immunity (Phagocytosis, T Cells and B Cells). Antibodies Biochemistry <ul style="list-style-type: none"> Transcription, Translation and Protein Synthesis. Inheritance and Variation <ul style="list-style-type: none"> Genetic Variation Meiosis vs. Mitosis Photosynthesis and Plant Physiology <ul style="list-style-type: none"> Transpiration and Translocation 	Animal Physiology <ul style="list-style-type: none"> Fish and Insect gas exchange systems. Mammalian breathing systems and gas exchange. Health and Disease <ul style="list-style-type: none"> Vaccination HIV Antibiotics Biochemistry <ul style="list-style-type: none"> Digestive Enzymes and absorption of products of digestion. Ecology <ul style="list-style-type: none"> Selection Taxonomy Species Diversity 	Ecology <ul style="list-style-type: none"> Biodiversity Energy transfer through food chains Investigating ecosystems Inheritance and Variation <ul style="list-style-type: none"> Mono and dihybrid Inheritance. Sex-linkage, codominance, epistasis and linkage. Hardy Weinberg 	Photosynthesis and Plant Physiology <ul style="list-style-type: none"> Plant Tropisms. Animal Physiology <ul style="list-style-type: none"> Choice Chambers Inheritance and Variation <ul style="list-style-type: none"> Mutations Regulation of transcription and Translation. Ecology <ul style="list-style-type: none"> Field Trip Follow Up. Statistics.



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Business Studies	Paper 1	Marketing The Market Market Research Market Positioning Demand Supply Demand & Supply PED YED	Marketing Branding & Promotion Pricing Strategies Distribution Product portfolio (Product life cycle & Boston Matrix) Design mix	People Approaches to staffing Motivation Recruitment, Selection, training Organisation design	People Leadership Entrepreneur characteristics Moving from entrepreneur to leader	People Business choices (Forms of a business) Ownerships	Exam skills
	Paper 2	Finance 2.2.2 Costs and revenues 2.2.3 Break-even 2.3.1 Profit 2.3.2 Liquidity 3.5.2 Ratio Analysis 3.4.3 Shareholders Vs Stakeholders	Finance 3.5.1 Interpretation of financial statements 2.1.1 2.1.2 Sources of finance 2.1.3 liability 2.1.4 Business plans 2.1.4 Cash Flow	Finance 2.2.4 Budgets 3.3.2 Investment appraisal 2.3.3 Business Failure Production 2.4.1 Production, Productivity and efficiency Methods of production	Production Productivity 2.4.2 Capacity Utiliston 2.4.3 Stock Control 2.4.4 Quality Management	External influences 2.5.3 The competitive environment 3.1.4 Impact of External Influences 2.5.1 Economic Influences	External influences Business Cycle Interest Rates Exchange rates Inflation Taxation and Government Spending 2.5.2 Legislation
Chemistry	Main Topics	Quantitative Analysis • RAM, RMM, Moles • Empirical and Molecular Formula • Atom Economy • Percentage Yield • Ideal Gas Equation Elements and Compounds • Fundamental Particles • Mass Number, Atomic Number, Isotopes • Electron arrangements Structure and Bonding • Ionic Bonding • Covalent Bonding • Metallic Bonding Elements and Compounds • Hydrocarbons • Nomenclature • Structural Isomers	Quantitative Analysis • Moles in Solutions • Titrations Energy • Exothermic and Endothermic Reactions • Calorimetry Structure and Bonding • Electronegativity • Intermolecular forces • Properties of Substances Elements and Compounds • Shapes of Molecules • Bond angles Earth's Resources • Fractional Distillation • Alkanes, Crude Oil • Cracking • Combustion • Atmospheric Pollutants	Energy • Bond Enthalpy • Hess's Law Elements and Compounds • Orbitals • Ionisation Energy Quantitative Analysis • Mass Spectroscopy • TOF Spectroscopy Elements and Compounds • Halogenoalkanes Chemical Changes • Radical Substitution • Nucleophilic Substitution • Elimination	Rate and Extent • Collision Theory • Maxwell-Boltzmann Distribution • Catalysts • Dynamic Equilibrium • Le Chatalier's Principle Elements and Compounds • The Periodic Table • Trends in Period 3 • Trends in Group 2 • Halogens • Alkenes • Stereoisomers • Alcohols Chemical changes • Electrophilic addition • Reactions of alcohols Earth's Resources • Producing Ethanol	Rate and Extent • Kc • Factors Affecting Kc Chemical Changes • Oxidation States • REDOX • Reactions of Halogens • Halide Ions • Alcohol oxidation Quantitative Analysis • Test tube reactions • Mass Spectroscopy of Compounds • IR Spectroscopy • Spectroscopic Analysis	Required Practical Skills Required Practical 1-6 Completed for AQA A-Level Practical Endorsement Preparation and Feedback on Mock Examination



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Computer Science	Main Topics	Paper 1 The characteristics of processors, input, output and storage devices Software and Software Development Data types, data structures and algorithms	Paper 1 Software and Software Development Data types, data structures and algorithms	Paper 1 Software and Software Development Exchanging Data Data types, data structures and algorithms	Paper 1 Software and Software Development Exchanging Data	Paper 1 Exchanging Data Legal, moral, cultural and ethical issues	Paper 1 Exchanging Data Legal, moral, cultural and ethical issues
Drama	Main Topics	Component 1 – Drama and Theatre	Set Text A Antigone	Section C – Live Theatre	Component 2 – Creating Original Drama	Working Notebook/ Recorded Practical Exam	Mock Exams/ UCAS Assessment Preparation & Retrieval
	Additional information	The theatrical processes and practices involved in interpreting and performing theatre	How creative and artistic choices influence how meaning is communicated to an audience How performance texts are informed by their social, cultural and historical contexts and are interpreted and performed for an audience	How performance texts are constructed to be performed, conveying meaning Revision Booklets and Practice Questions How conventions, forms and techniques are used in drama and live theatre to create meaning Genre and form	<i>Research relevant processes and practices of theatre making to inform their own practice</i> <i>Apply what they have learnt from live theatre to their own work in practice</i> <i>Develop their own ideas</i> Character motivation and interaction Performers' vocal and physical interpretation of character	<i>30% of overall A-Level Drama and Theatre complete</i> Collaborate with other theatre makers Explore devising and rehearsal methods Refine and amend work in progress	Spaced Retrieval Practice Questions The social, cultural and historical context in which the practitioner is/was working Detailed Feedback Given on Artistic intentions Responses and Time Given to Reflect/Improve Artistic intentions Year 13 summer transition work: UCAS assessment preparation/ Set Text B – Our County's Good
Economics	Macro	Aggregate Demand & Aggregate Supply Aggregate Demand Aggregate Supply	Aggregate Demand & Aggregate Supply The interaction between aggregate demand and aggregate supply Circular flow of income The multiplier and the accelerator	Economic policy objectives Economic growth Development Employment	Economic policy objectives Inflation Balance of payments	Economic policy objectives Trends in macroeconomic indicators Income distribution & welfare	Economic policy objectives The Philips Curve
	Micro	Introduction to Economics The Economic Problem Production Possibility Curves Markets Specialisation and Trade	Demand, Supply, Prices Demand Supply Prices (the interaction of demand and supply)	Demand, Supply, Prices PED YED XED PES	Market Failure Market Failure Externalities Information Failure Merit and demerit goods Public Goods	Government Intervention Taxation Regulation Subsidies State Provision Information Provision Price Controls	Government Intervention Buffer stock systems Tradable pollution permits Public private partnerships Government Failure



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English Literature	Teacher 1	Component Two: Comparative and Contextual Study. Introduction to Dystopian Literature/fiction Intro to Orwell and 1984 – political views, history and why we need to study this text -Relevance to 21 st Century -Opening of text – contextual ideas and critical reading	Component Two: Comparative and Contextual Study. -Exploration of Part 1 -Contextual ideas linked to initial chapters -Introduction to critical reading of text -Introduction of contextual question	Component Two: Comparative and Contextual Study. -Book with the book idea and parallels to modern political manifestos -Critical essays from Orwell Society to develop understanding of writer intent	Component Two: Comparative and Contextual Study. -Exploration of Part 3 Focus on O'Brien Assessment Question – model answers/AOs Focus on ending of novel	Component Two: Comparative and Contextual Study. -Mock preparation – through key tropes and features of dystopian fiction linked to statements -Exemplar responses provided and deconstructed	Component Two: Comparative and Contextual Study. -Exploration of the UNSEEN element of the unit – AO2 and AO3
	Teacher 2	Component One: Drama Pre-1900 Introduction to Drama – with a focus on the key tropes of Revenge Tragedy and key vocabulary Introduction to Shakespeare: Hamlet -Background and context to the play how meaning is shaped -Function and effects of L/S/F -How has play been interpreted by different audiences over time Focus: Academic writing -Approach to close analysis of extract (Part a)– AO2 -Approach to Thematic question (Part b) – AO5 -Argument/thesis statement -Critical readings – different interpretations over time			Component One: Poetry Pre-1900 Introduction to The Merchant's prologue and Tale -Context and background information – AO3 -Key terms and vocabulary -Begin reading through of text -Explore the key themes and characters Mock preparation: Hamlet Part a and Part b Sample questions Model answers Planned responses from booklet of sample extracts and statement questions Application of critical readings		Component One: Poetry Pre-1900 Introduction to The Merchant's prologue and Tale. Mock Exam – Hamlet a and b Feedback from Exam
	Teacher 3	Component Three: Literature Post 1900 Introduction to studying Literature and specifically Drama – introduction to key vocabulary, drama as performance, techniques used by playwrights. Introduction to A Streetcar Named Desire (ASND) -Background and contextual reading -Focus on how writers shape meaning – dramatic techniques, stage direction, sound. Focus: Exploration of play through character Focus: Academic writing Responses to thematic and character questions	Component Three: Literature Post 1900 All My Sons – Arthur Miller -Contextual and background information -Read through of the text -Focus: AO2 close analysis – links made with ASND -AO5 – Literary criticism of text – alternative interpretations and reviews		Component Three: Literature Post 1900 Introduction to a selection of poetry Booklet: -Owen, Heaney, Armitage, Dharker, Clark -Key skills and vocabulary needed Focus: AO2 -Focus: Language/structure/form -Poetic devices -Owen / Heaney documentary	Component Three: Literature Post 1900 Focus: NEA requirements. The focus on Coursework ONE and Coursework Two Work way through the poetry booklet	
	Assessment and homework	Reading texts: 1984 Short stories selection Learning key vocabulary for drama, revenge tragedy Baseline testing in all units – small extract work	First assessments linked to exam style questions across all units	Independent reading: Any drama of their choice Critical essays for 1984 Literary criticism for Hamlet Watching alternative performances	Written assessments across all exam units Explore own poet's writing Reading of Atonement		Independent Study: Draft coursework Reading of The Handmaid's Tale Reading of Atonement



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English Language and Literature	Teacher 1	Paper One: Telling Stories – Paris (Remembered Stories) -Introduction to Linguistics -Spoken Language/Linguistic Theory -Language Analysis		Paper Two: Exploring Conflict – Dramatic Encounters Text: All My Sons – Arthur Miller -Exam skills -Literary critical views and interpretation -Approaches to the exam question		Paper Two: Exploring Conflict – Writing About Society Text: The Great Gatsby - F. Scott Fitzgerald	
		Paper Two: Exploring Conflict – Dramatic Encounters All My Sons – Arthur Miller -Introduction to conventions of tragedy / 20th Century realism and Dramatic Conventions -A03 Context – American Dream and WW2 America		Paper Two: Exploring Conflict – Writing About Society Text: The Great Gatsby - F. Scott Fitzgerald		Non-Examined Assessment – Making Connections Independent Literary and non-literary investigation – an introduction to the NEA format, pre-reading and critical reading - Make active connections between a literary text and some non-literary material - Students to read and research around their chosen texts and decide on their individual focus and question.	
	Teacher 2	Paper One: Telling Stories – Seamus Heaney -Presentation of time, people, place and events -The construction of the poetic voice Work on the poetry anthology will continue all term until complete.		Paper Two: Exploring Conflict – Writing About Society Text: The Great Gatsby - F. Scott Fitzgerald -Context: Jaz Age -revisit ideas on The American Dream Cold Read following introduction		Paper One: Telling Stories – Imaginary Worlds. Text: The Lovely Bones - Alice Sebold Continue reading The Lovely Bones	
				Paper One: Telling Stories – Imaginary Worlds. Text: The Lovely Bones - Alice Sebold - Elements of fantasy genre - Character and theme study - Story telling and narrative structures - The influence of contextual factors - Developing understanding of language levels		Paper One: Telling Stories – Paris (Remembered Stories) and The Lovely Bones AQA Paris Anthology -the influence of contextual factors such as time period, race, social class and gender on the content and focus of narratives - Study of selected elected articles -Continued study of The Lovely Bones	
Film Studies	Main Topics	Introduction to the Core Areas of the framework 1. Film form 2. Meaning and response 3. Contexts *	<ul style="list-style-type: none"> British film since 1995 (two-film study) Specialist study areas 1. Narrative 2. Ideology 	<ul style="list-style-type: none"> American film since 2005 (two-film study) Specialist study areas 1. Ideology 2. Spectatorship 	<ul style="list-style-type: none"> Global film (two-film study) Start Film one No specialist study areas – synoptic of all skills 	<ul style="list-style-type: none"> Global film (two-film study) Start Film Two No specialist study areas – synoptic of all skills 	<ul style="list-style-type: none"> NEA – Planning Revision for mock Hollywood 1930 - 1990 (comparative study) Start film one Specialist study areas 1. Auteur 2. Industry Current films studied - Vertigo (Hitchcock, 1958), PG
	Additional information	Useful guide Link to Eduqas Specification	Practice exam questions will take place at the end of the topic	Practice exam questions will take place at the end of the topic Useful YouTube Channel for theory and analysis of Representations	Useful guide to the film NEA Briefs released by the exam board Link to where the Briefs are located	Useful guide to the film Retrieval and revision will also take place in some lessons to aid students preparation for their mock exams.	Mock Exams - Questions taken from a combination of past exam papers from Paper 1 and Paper 2.



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French	Main Topics	Evolution of family structures Cinema: why the 7th art?	Evolution of family structures Cinema: why the 7th art? Film study: la Haine	Cybersociety Music in the French-speaking world	The role of voluntary work Heritage	The role of voluntary work Heritage	Diversity Literature study: Un Sac de Billes
	Additional information	Present tense revision Infinitive constructions Revisiting the main tenses Subjunctive with coordinating conjunctions.	End of November- Assessment 1- Examprom: Family/cinema Cinematographic language Comparing and contrasting the main/minor characters Examining their actions and motivations. Planning and writing essays.	End of February- Assessment 2- Examprom: Cybersociety/ Music Practice summary skills in listening and reading Commenting on statistics on stimulus cards and expressing a range of opinions. Revision of question forms. Listening for detail- questions and answers in French. Subjunctive to express wishes.	Who are the volunteers? The value for themselves and those they help. Subordinating clauses Si phrases with conditional tense. Translation into English.	End of May- Assessment 3- Examprom: Role of voluntary work/ heritage. Adjectives- importance of written accuracy- correct agreements. Comparative/ superlative forms. AS speaking exams	Year 12 Mock examinations- AS Paper 1- Listening, Reading and translation F-E AS Paper 2- E-F translation and essay.
Forensics	Main Topics	Unit 1 Cell Structure and Function Unit 1 Production and uses of substances Unit 1 Working with waves Unit 4 Crime scene processing Unit 2 Lab work and colorimetry Unit 8 Musculoskeletal disorders	Unit 1 Cell Specialisation Unit 1 Structure and bonding in applications Unit 1 Waves in communication Unit 4 Chemical techniques Unit 2 Thermometers and cooling curves Unit 8 Musculoskeletal disorders	Unit 1 Tissue Structure and Function Unit 1 Assessment preparation Unit 1 Use of EM waves Unit 4 Physical Techniques Unit 2 Chromatography Unit 8 Impact of lymphatic disorders and treatments	Unit 3 Enzymes in Action Unit 3 Planning a Scientific Investigation Data Collection and Analysis Unit 3 Electrical Circuits Unit 4 Biological Techniques Unit 2 Personal Skills and professional practice Unit 8 Impact of lymphatic disorders and treatments	Unit 3 Diffusion of molecules Unit 3 Energy Content in Fuels Unit 3 Drawing conclusions and evaluations Unit 4 Coursework finalisation Unit 2 Coursework finalisation Unit 8 Nutrition and health	Unit 3 Plants and their environment Practical skills revision Practical Skills revision Unit 5 The nature of crime Unit 15 Matrices and their composition Unit 8 Nutrition and health
Further Maths	Teacher 1	Pure Complex Numbers & Argand Diagrams	Pure Series Roots of polynomials	Applied Mechanics Review Momentum & Impulse	Applied Work Energy & power	Applied Elastic strings and springs	Applied Elastic collisions in two dimensions
	Teacher 2	Pure Matrices	Pure Linear Transformations	Pure Proof by induction	Pure Vectors	Pure Calculus Review	Pure Volumes of revolution



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Geography	Physical	NATURAL HAZARDS The global distribution of tectonic hazards can be explained by plate boundary and other tectonic processes. There are theoretical frameworks that attempt to explain plate movements. Physical processes explain the causes of tectonic hazards. Disaster occurrence can be explained by the relationship between hazards, vulnerability, resilience . Tectonic hazard profiles are important to an understanding of contrasting hazard impacts, vulnerability and resilience. Development and governance are important in understanding disaster impact and vulnerability and resilience. Understanding the complex trends and patterns for tectonic disasters helps explain differential impacts. Theoretical frameworks can be used to understand the predication, impact and management of tectonic hazards. Tectonic hazard impacts can be managed by a variety of mitigation and adaptation strategies, which vary in their effectiveness.		COASTS The coast, and wider littoral zone, has distinctive features and landscapes. Geological structure influences the development of coastal landscapes at a variety of scales. Rates of coastal recession and stability depend on lithology and other factors. Marine erosion creates distinctive coastal landforms and contributes to coastal landscapes. Sediment transport and deposition create distinctive landforms and contribute to coastal landscapes. Subaerial processes of mass movement and weathering influence coastal landforms and contribute to coastal landscapes. Subaerial processes of mass movement and weathering influence coastal landforms and contribute to coastal landscapes. Sea level change influences coasts on different timescales.		COASTS – continued Rapid coastal retreat causes threats to people at the coast. Coastal flooding is a significant and increasing risk for some coastlines. Increasing risks of coastal recession and coastal flooding have serious consequences for affected communities. There are different approaches to managing the risks associated with coastal recession and flooding. Coastlines are now increasingly managed by holistic integrated coastal zone management (ICZM). Introduction to NEA Setting up NEA. Topics, locations, risk assessments, introduction and methodology.	
	Human	GLOBALISATION Globalisation is a long-standing process which has accelerated because of rapid developments in transport, communications and businesses. Political and economic decision making are important factors in the acceleration of globalisation. Globalisation has affected some places and organisations more than others. The global shift has created winners and losers for people and the physical environment. The scale and pace of economic migration has increased as the world has become more interconnected, creating consequences for people and the physical environment. The emergence of a global culture, based on western ideas, consumption, and attitudes towards the physical environment, is one outcome of globalisation. Globalisation has led to dramatic increases in development for some countries, but also widening development gap extremities and disparities in environmental quality. Social, political and environmental tensions have resulted from the rapidity of global change caused by globalisation.		GLOBALISATION –continued Ethical and environmental concerns about unsustainability have led to increased localism and awareness of the impacts of a consumer society. REGENERATION Economies can be classified in different ways and vary from place to place. Places have changed their function and characteristics over time. Past and present connections have shaped the economic and social characteristics of your chosen places. Economic and social inequalities changes people’s perceptions of an area. There are significant variations in the lived experience of place and engagement with them. There is a range of ways to evaluate the need for regeneration. UK government policy decisions play a key role in regeneration. Local government policies aim to represent areas as being attractive for inward investment. Rebranding attempts to represent areas as being more attractive by changing public perception of them.		REGENERATION - continued Assessing the success of regeneration uses a range of measures: economic, demographic, social and environmental. Different urban stakeholders have different criteria for judging the success of urban regeneration. Different rural stakeholders have different criteria for judging the success of rural regeneration. Introduction to NEA Setting up NEA. Topics, locations, risk assessments, introduction and methodology.	



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German	Main Topics	Social Issues and Trends – Family Family and Relationships / Parntership and Marriage / Different family models	Social Issues and Trends – Digital world The Internet / Social networks / Digitalisation of society Social Issues and Trends - Jugendkultur: Fashion / Music / TV	Literary texts and films - Good bye Lenin Artistic Culture in the German-speaking world - Culture in Berlin	Literary texts and films - Good bye Lenin Artistic Culture in the German-speaking world - Festivals and Traditions	Artistic Culture in the German-speaking world – Art and Architecture	Multiculturalism in German-speaking society – Immigration Literary texts and films - Introduction to Friedrich Dürrenmatt - Besuch der alten Dame Introduction to Individual Research Topic
	Additional information	Discussing advantages and disadvantages Discussing issues relating to the family	Interpret and explain figures and statistics Talk about possible developments and predictions Responding to a poem Expressing your opinion	Develoingp essay technique and writing skills - Critical skills Speaking persuasively Listening for detail Translating from German into English	Developing essay technique and writing skills - Critical skills Translating into German Answering questions in German Summarising a reading passage	Giving a presentation or a talk Expressing reactions and emotions Improving answers	Year 12 Mock Exam – Listening, Reading and Writing Talk about data and trends Use gist comprehension for complex passages Skills- research practice Looking and referencing sources.
History	Main Topics	Churchill and Cold War in Asia		Churchill/British Society 1951-79 Cold war in Asia		British Society 1951-1997 (1979-1997)	
	Additional information	Churchill's background Why was Churchill out of favour 1929-40 Why did Churchill Come to Power in 1940 Churchill as War Leader Churchill and International Relations- Relations With Roosevelt, De Gaulle and Stalin. The Western Policies in Asia 1945-78 The Korean War: Origins		Churchill and Conferences 1951-64: To What extent was it 13 wasted years? The Labour and Conservative governments of 1964-79 The Korean War and Consequences The Origins of Conflict in Indochina 1942-67 American Involvement in Vietnam 1965-75		Thatcher: Her Election; Economic and Social Policies Why did Thatcher Lose Power? Why did Major Lose in 1997 Thematic Unit Coursework Preparation American Involvement in Vietnam The End to War in Vietnam Cambodia 1954-1993	
Mathematics	Teacher 1	C1 Algebraic expressions C2 Quadratics C7 Algebraic methods	C4 Graphs and transformations	SM3 Representation of data SM14 Correlation	C9 Trig ratios	C10 Trig equations C8 Binomial expansion	C8 Binomial expansion SM11 Variable acceleration
	Teacher 2	C5 Straight linear graphs C6 Circles	SM8 Modelling mechanics SM9 Constant acceleration	SM2 Measure location/spread	C12 Differentiation	C12 Differentiation C13 Integration	C13 Integration SM10 Forces and motion
	Teacher 3	Baseline assessment C3 Equations and inequalities SM1 Data collection	C14 Exponentials and logs	C11 Vectors	SM5 Probability	SM6 Statistical distributions SM7 Hypothesis testing	A2 C1 Algebraic methods



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Media Studies	Main Topics	<ul style="list-style-type: none">The Media Theoretical FrameworkIntroduction to theory	<ul style="list-style-type: none">Long Form TV Drma – representation and Media Language, social and cultural political contexts, theoryNews – Representation and Media Language, social and cultural and political contexts, theory	<ul style="list-style-type: none">Long Form TV Drama – representation and Media Language, social and cultural political contexts, theory, continuedAdvertising – Representation and Media Language, ideologies, social and cultural contextsNews – Representation and Media Language, social and cultural and political contexts, theory, continued		<ul style="list-style-type: none">Radio - Media industries, Media audiences Economic, political and cultural contextsMusic Videos - Representation and Media Language, social and cultural contexts	<ul style="list-style-type: none">NEA – PlanningMagazines - Media language, Media representations Social, cultural and political contexts	<ul style="list-style-type: none">NEA – ResearchRevision	
	Additional information	Useful Theory website and book Link to OCR Specification	Useful YouTube Channel for Theory and LFTV Drama Practice exam Question will take place prior to Christmas.	Students will prepare for the Advertising exam questions based on the exam board set texts and unseen examples. Useful Youtube Channel for theory and analysis of Representations		NEA Briefs released by the exam board Link to where the Briefs are located	Retrieval and revision will also take place in some lessons to aid students preparation for their mock exams.	Mock Exams - Questions taken from a combination of past exam papers from Paper 1 and Paper 2.	
Music	Year 12 Lesson 1 & 2 (L.Everill)	Intro to A Level & The 6 Areas of Study Music Theory - Improvement to current knowledge. Grade 1-5 ABRSM Music Theory - Note Reading, Intervals, Chords, Time Signatures, Key signatures, Bar lines, transposition, Scales.	Music Theory - Improvement to current knowledge. Grade 1-5 ABRSM Music Theory - Note Reading, Intervals, Chords, Time Signatures, Key signatures, Bar lines, transposition, Scales.	Performance Practice			Practice Listening Questions	Performance Practice 8-10 minute recital	
			Theory Test - Grade 1-5 paper dependent on student progression during term 1	3-4 minute recital	Wider Listening - All completed Set works				
	Year 12 Lesson 3 & 4 (L.Everill)	Dictation - Rhythmic and Melodic Dictation (20-30 minutes each week)							Mock Exam Feedback - 1-2-1 Meetings. Free Composition for the rest. Dictation - Rhythmic and Melodic
		Performance - Initial performances. One piece on chosen instrument to be performed. Practice Diary Given. Set Work 1 - Batman Returns	Set Work 2 - Anoushka Shankar	Set Work 4 - Petals	Essay Writing - What needs to be in the essays?	Set Work 6 - Clara Schumann	Set Work 6 - Clara Schumann		
Year 12 Lesson 5 & 6 (R.Smith)	General introduction to the 6 areas of study. Wider listening around the areas and introduction into the general context of each area of study.	Set Work 3 - The Beatles	Set Work 3 - The Beatles	Set Work 5 - Kate Bush	Set Work 5 - Kate Bush	Set Work 7 - Courtney Pine	Composition - Free Composition (to be used for Y13 coursework)		
		Music Theory - Chords, Extended Chords, Chord progressions, Aural Skills, Dictation Skills	Music Theory - Chords, Extended Chords, Chord progressions, Aural Skills, Dictation Skills		Composition - Free Composition (to be used for Y13 coursework)	Composition - Free Composition (to be used for Y13 coursework)			



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PE	Main Topics	Cardiovascular system Skill and skill continuums and transfer of skills Impact of skill classification on structure of practice for learning Principles and theories of learning and performance Pre- industrial Industrial and post-industrial Post World War II	Respiratory system Neuromuscular system model system Use of guidance and feedback General information processing Sociological theory applied to equal opportunities Progress test	The musculo-skeletal system and Analysis of movement in physical Energy systems Efficiency of information processing model system Concepts of physical activity and sport Mock	Energy Systems Aspects of personality Attitudes Arousal Development of elite performers in sports	Diet and nutrition and their effect of physical activity and performance Preparation and training methods in relation to maintaining physical activity Anxiety Ethics in sport Violence in sport Aggression Progress test	Injury prevention and rehabilitation of injury Motivation Achievement motivation theory Social facilitation Drugs in sport Mock test
	Additional information	Subject specific vocabulary (aqa.org.uk) AQA Command words Venous return mechanisms (Hodder Education: PE Review) ‘Frank-Starlings Law Explained’ (YouTube) ‘Cardiovascular Drift’ (YouTube) Begin collecting practical video evidence for one chosen sport	AQA A-level Physical Education Assessment resources	AQA A-level Physical Education Assessment resources	‘ATP & Respiration Crash Course Biology’ (YouTube) Lactate threshold (Runner’s World)		Complete mock NEA task in class with teacher. Begin NEA



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Philosophy and Ethics	Philosophy	Main Topics	What is God like? (C1) The design argument The cosmological argument The ontological argument	Evil and suffering (C1) Religious experience (C1) The nature of religious experience Verifying religious experience	Religious language (C1) The issue of whether religious language should be viewed as cognitive or non-cognitive	Sources of wisdom (C2)	God (C2) Self, death and afterlife (C2)	Expressions of religious identity (C2)
		Additional information	<ol style="list-style-type: none"> 1. Paley's analogical argument 2. Criticism from David Hume 3. The relationship between faith and reason 4. Aquinas' argument from observation 5. Criticism from Hume and Russell 6. The relationship between faith and reason 7. Anselm's ontological argument 8. Criticism from Gaunilo and Kant 	<ol style="list-style-type: none"> 1. The concepts of natural and moral evil 2. The logical and evidential problem of evil 3. Responses to the problem of evil: <ul style="list-style-type: none"> • The Free Will Defence • Hick's soul making theodicy • Process Theodicy as presented by griffin 4. The strengths and weaknesses of each response 5. Visions: corporeal, imaginative and intellectual 6. Numinous experiences: Rudolph Otto 7. Mystical experiences: William James and Walter Stace 8. The challenges of verifying religious experiences 9. The challenges to religious experiences from science 10. Richard Swinburne's principles of credulity and testimony 	<ol style="list-style-type: none"> 1. The challenge of verification and falsification principles 2. Eschatological verification with reference to Hick 3. Language as an expression of a <i>blik</i> with reference to Hare 4. Religious language as a game with reference to Wittgenstein 5. Religious language as a symbol with reference to Tillich 6. Religious language as analogical with reference to Aquinas 7. The Via Negative 8. The strengths and weaknesses of the differing understandings of religious language 	<ol style="list-style-type: none"> 1. The Bible 2. The Church 3. The authority of Jesus 	<ol style="list-style-type: none"> 1. Christian Monotheism 2. God as Personal, God as Father, God as Love 3. The concept of God in process theology 4. The meaning and purpose of life 5. Resurrection 6. Different interpretations of judgement, heaven, hell and purgatory 	<ol style="list-style-type: none"> 1. Baptism 2. Holy Communion 3. The mission of the Church <p>AND Exam preparation</p>
	Ethics	Main Topics	Normative ethical theories (C1)	Normative ethical theories (C1)	Normative of ethical theories (C1)	Application of ethical theories (C1)		
		Additional information	<ol style="list-style-type: none"> 1. Different approaches to ethical decision making: Deontological, Teleological, Character bases 	<ol style="list-style-type: none"> 1. Natural Moral Law – the principle of double effect, with reference to Aquinas; proportionalism 2. Strengths and weaknesses of natural moral law ethics 	<ol style="list-style-type: none"> 1. Situation ethics with reference to Fletcher 2. Strengths and weaknesses of Fletcher's situation ethics 3. Virtue ethics with reference to Aristotle 4. Strengths and weaknesses of Aristotle's virtue ethics 	<ol style="list-style-type: none"> 1. Theft 2. Lying 3. Embryo research 4. Abortion 5. Voluntary euthanasia 6. Capital punishment 7. Animals as food 8. Use of animals in scientific experimentation 9. Blood sports 10. Animals as a source for organ transplant 		



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Photography	Main Topics	Conceal and Reveal Supporting Unit Workshops to introduce the course Initial Ideas. Mood board and mind map creation. Initial photography and experimentations. Artist research used for inspiration.	Conceal and Reveal Supporting Unit Workshops to introduce the course Initial Ideas. Initial photography and experimentations. Artist research used for inspiration.	Activities and Lifestyles Development Main Unit introduced. Mind map and mood board to generate ideas. Artist research used for inspiration for each photography shoot. Students should complete on average one shoot per week and edit in lesson time. Sketchbook work and research should be completed for homework.	Activities and Lifestyles Development Development of main unit of work. A cycle of artist research, shoot planning, photo shoots, editing, experimenting and selecting final outcomes is undertaken. Start 1000-3000 word Personal investigation into their own practice. Introduction- Artist Statement.	Activities and Lifestyles Further Development Development of main unit of work. A cycle of artist research, shoot planning, photo shoot, editing, experimenting and selecting final outcomes is undertaken. Continue 1000-3000 word Personal investigation into their own practice. Main body- Artist criticism and critique of own practice.	Activities and Lifestyles Further Development Development of main unit of work. A cycle of artist research, shoot planning, photo shoot, editing, experimenting and selecting final outcomes is undertaken. Continue 1000-3000 word Personal investigation into their own practice. Main body- Artist criticism and critique of own practice.
	Additional information	Students will explore a wide range of photography techniques to learn how to use a DSLR camera and the studio lighting equipment.	Students will explore a wide range of photography techniques to learn how to use a DSLR camera and the studio lighting equipment.	Investigate and research the work of contemporary and historical artists Develop their own practice as artists.	Investigate and research the work of contemporary and historical artists Develop their own practice as Photographers.	Review and refine their own practice in order to create resolved outcomes.	Review and refine their own practice in order to create resolved outcomes.
Physics	Main Topics	Electricity Current, Voltage Power and Resistance EMF and internal resistance Resistivity Mechanics Vectors and Scalars Equilibrium Forces Moments Stability Particles Properties of the atom The standard model Forces and Interactions	Electricity Circuit Rules and Components Potential Dividers Sensor Circuits Mechanics SUVAT Freefall Projectile motion Required practical Particles The weak Interaction The strong interaction Feymann Diagrams Conservation rules	Waves Waves basics Coherence and phase difference Superposition Diffraction Youngs double slit +practical Mechanics Newtons laws Car safety Momentum Elastic and Inelastic collisions Quantum Photoelectric effect Energy levels Spectra Wave particle duality	Waves EM Waves Emission spectra Reflection, refraction and TIR Waves for communication Harmonics and stationary waves Mechanics Work and Energy GPE and KE Power Energy and efficiency Materials Density Hooke's Law Deformation of solids Youngs modulus +practical	Practical Skills Further Mechanics Circular motion Oscillations SHM Nuclear Discovery of the nucleus Alpha Beta Gamma Half Life	Practical Skills Further Mechanics Pendulums Energy and SHM Forced vibrations and Resonance Nuclear Radioactive decay N-Z Curve Consolidation



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Product Design	Overview	<p>Theory is taught and students work on related practical projects so they experience the application of theory therefore improving understanding.</p> <p>Theory covered in Y12 is for Paper 1.</p>					
	Main Topics	<p>Theory</p> <ul style="list-style-type: none"> Plastics, properties of plastics, plastic processing Smart and Modern materials <p>Designing and Practical</p> <ul style="list-style-type: none"> Practical electronics Phone holder LED night light 	<p>Theory</p> <ul style="list-style-type: none"> Composite materials Compliant materials Metals, properties uses and processing <p>Design and Practical</p> <ul style="list-style-type: none"> Fabrication and applied finishes to copper CAD/CAM 2D & 3D drawings; then pewter casting. Isometric and orthographic drawing 3D printing playing pieces 	<p>Theory</p> <ul style="list-style-type: none"> Timber and manufactured boards Responsible design Circular Economy <p>Design and Practical</p> <ul style="list-style-type: none"> Hinged box with multiple wood joints Maths Qs linked with manufacture Exploded view 	<p>Theory</p> <ul style="list-style-type: none"> Material properties and industrial testing QC/QA Modern Manufacturing <p>Design and Practical</p> <ul style="list-style-type: none"> Advanced technical practical skills – lathe, pipe bending, steam bending, brazing, welding 	<p>Theory</p> <ul style="list-style-type: none"> Design Eras, Design movements and Key designers <p>Design and Practical</p> <ul style="list-style-type: none"> Concept modelling of product influenced by a design era <p>INTRODUCTION of NEA coursework</p> <ul style="list-style-type: none"> Context and objectives Client profile Research and Analysis 	<p>Y12 Mock Examination</p> <p>NEA Coursework</p> <ul style="list-style-type: none"> Design Brief Design Specification
Psychology	Main Topics	<ul style="list-style-type: none"> Approaches Memory Social Influence 	<ul style="list-style-type: none"> Psychopathology Memory Social Influence 	<ul style="list-style-type: none"> Psychopathology Research Methods Attachment 	<ul style="list-style-type: none"> Psychopathology Research Methods Attachment 	<ul style="list-style-type: none"> Biopsychology Research Methods 	Research project competition in association with University of Derby
PSHE	Main Topics	Health and wellbeing	Health and wellbeing – Be internet citizens	Living in the wider world	Relationships	Living in the wider world	Health and wellbeing
	Additional Information	Transition to KS5 Class A Drugs Class B Drugs Class C Drugs Dan Gibbons Talk Relaxation Managing Risk	Fact v Fiction 3 sides to every story Us vs Them Speaking up and Speaking Out Becoming an internet citizen	Post 18 choices, Choices Setting Career Goals How to network and be enterprising Wellbeing: Balancing Life, Learning and Work What makes an employer "good" to work for	Fertility & Pregnancy Modern Families	Your Vote Our Democracy People Power Campaigning Campaign Planning Democracy in Action	Teenage Brain Teenagers and Sleep Managing Stress Work Experience Week Having a Conversation about Mental health Boosting your mood Find out about mental health
Sociology	Main Topics	Research Methods	Education Methods in Context		Family and Households		Theory
	Additional Information	You will learn how to conduct your own sociological research	The impact of class, gender & ethnicity on students' attainment.		You will study different family types and social policy as well as learning about the different types of childhood in and outside of the UK and how this has changed over the years.		Consensus, conflict, structural and social action theories



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Textiles	Overview	Theory is taught and students work on related practical projects so they experience the application of theory therefore improving understanding. Theory covered in Y12 is for Paper 1.					
	Main Topics	Theory <ul style="list-style-type: none">Design processEnterprise and MarketingFashion Cycles Designing and Practical <ul style="list-style-type: none">Capsule collection	Theory <ul style="list-style-type: none">Designer Influence [Dior, Chanel and Westwood]Socio/economic history Design and Practical <ul style="list-style-type: none">Blazer [Pattern cutting and construction]	Theory <ul style="list-style-type: none">MaterialsSmart materialsTechnical textiles Design and Practical <ul style="list-style-type: none">McQueen design and make project	Theory <ul style="list-style-type: none">Woven and non woven yarnsCharacteristics of fabrics Design and Practical <ul style="list-style-type: none">McQueen design and make project - continued	Theory <ul style="list-style-type: none">Fabric and finishes INTRODUCTION of NEA coursework <ul style="list-style-type: none">Context and objectivesClient profileResearch and Analysis	Y12 Mock Examination NEA Coursework <ul style="list-style-type: none">Design BriefDesign Specification