



# Year 12 Curriculum



Term/Subject	Religious Education	English Language	English Literature	Maths	Biology	Chemistry	Physics	French	Spanish	Geography	History
Autumn Term First half	Philosophy, Ethics and Christian Development	Meanings and Representation Skills for Paper 1	Love through the Ages Othello and The Great Gatsby	Algebraic techniques, Quadratics, Graphical work,	Topic 1.1, 1.2.1-3 biological molecules Topic 2.1 cells Topic 4.1 cell transport mechanisms Topic 4.2 gas exchange	Topic 1 Atomic Structure and the Periodic Table Topic 5 Formulae, equations and amounts of substances Topic 9 Kinetics Topic 3 Redox reactions	Module 3.2 - Mechanical properties of materials	La famille en voie de changement	Phase 1: intensive grammar programme linked to thematic content. Aspects of Hispanic society: social issues and trends  Artistic culture in the Hispanic world	Population and the Environment Desert environments	The American Dream 1917-1996 South Africa from apartheid state to a Rainbow Nation 1948-1994
Autumn Term Second half	Philosophy, Ethics and Christian Development	Language and Diversity Topics for Paper 2	Othello and The Great Gatsby	Circles, Inequalities, Trigonometry Statistics and data	Topic 1.2.4 biological molecules Topic 2.3 cell division Topic 4.3 circulation	Topic 2 Bonding and Structure Topic 10 Chemical equilibrium Topic 4 Inorganic Chemistry	Module 3.1 - Chapters 1 and 2 Imaging and signalling	La cyber-société	Phase 2: development of all skills through theme-linked teaching and learning. Aspects of Hispanic society: social issues and trends Artistic culture in the Hispanic world Chosen film or book	Population and the Environment Desert environments	The American Dream 1917-1996 South Africa from apartheid state to a Rainbow Nation 1948-1994
Spring Term First half	Philosophy, Ethics and Christian Development	Directed writing and Essay skills	Poetry Anthology Coursework prep Unseen Poetry	Algebraic work, Binomial Expansion, Differentiation	Topic 2.2 prokaryotic cells Topic 1.3 nucleotides Topic 4.4 transport in plants	Topic 2 Bonding and Structure Topic 10 Chemical equilibrium Topic 4 Inorganic Chemistry	Module 4.2- Space, time and motion	Le rôle du bénévolat	Phase 3a: practice of exam-specific skills and assessment tasks in speaking, essay writing, listening, reading, summary writing and translation into and from target language. Content focus according to assessment tasks: essay-writing on book or film speaking and stimulus cards reading, listening and translation according to sub-themes and aspects.	Changing Places <i>Fieldwork - Woodbridge Road and Brick lane</i> Global Systems and Governance	The American Dream 1917-1996 South Africa from apartheid state to a Rainbow Nation 1948-1994
Spring Term Second half	Philosophy, Ethics and Christian Development	Course work preparation- Original writing	Poetry Anthology Coursework prep	Integration, Hypothesis testing, Forces & motion	Topic 1.4 enzymes Topic 3.1 classification	Topic 2 Bonding and Structure Topic 10 Chemical equilibrium Topic 4 Inorganic Chemistry	Module 4.1 - Chapter 6 Waves behaviour	Une culture fière de son patrimoine	Phase 3b: 'top up' teaching on film or book for A-level needs. Developing skills in speaking, essay writing, listening, reading and translation into and from target language.	Changing Places <i>Fieldwork - Woodbridge Road and Brick lane</i> Global Systems and Governance	The American Dream 1917-1996 South Africa from apartheid state to a Rainbow Nation 1948-1994
Summer Term First half	Philosophy, Ethics and Christian Development	Preparation for Language investigation and revision.	NEA prep	Algebraic methods, Vectors, Variable acceleration	Topic 2.4 meiosis Topic 3.2 natural selection Topic 3.3 Biodiversity	Topic 6 Organic Chemistry Topic 7 Modern Analytical Techniques Topic 8 Chemical energetics	Module 3.1 - Chapter 3 Sensing	La musique francophone contemporaine	Explore independent research possibilities.	Global Systems and Governance NEA	Individual Study and mock prep
Summer Term Second half	Philosophy, Ethics and Christian Development	Preparation for Language investigation and revision.	NEA prep	Functions, Logarithms and exponentials	Topic Y13 6.1-2 pathogens Topic y13 10.1 the nature of ecosystems	Topic 6 Organic Chemistry Topic 7 Modern Analytical Techniques Topic 8 Chemical energetics	Module 4.1 Chapter 7 Quantum behaviour	Le septième art Littérature: "un sac de billes"	Transition between year 12 work (sub-themes) and year 13.	NEA- Fieldwork	The American Dream 1917-1996 South Africa from apartheid state to a Rainbow Nation 1948-1994



# Year 12 Curriculum



Term/Subject	Economics	Psychology	Sociology	Sport & PE	Computer Science	Art	Photography	Music	Drama	Law
Autumn Term First half	The economic problem, business objectives, stakeholders, enterprise, supply and demand and the price mechanism	Introduction to Psychology Psychology as a science Cognitive Psychology	Introduction to Sociology Theory Culture, Socialisation & Identity	Applied Anatomy and Physiology  Skill Acquisition	H446 OCR A-Level computers science Linear 1.4.1 Data types 2.2 Programming techniques	<b>VISUAL SKILLS</b> -drawing/ foreshortening, digital editing/ photography	<b>INTRODUCTION TO BASIC SKILLS</b> Camera skills, editing, contextual understanding	AOS 3 FILM MUSIC Batman Returns and Psycho analysis.  4-PART CHORALE INTRO	Theatre practitioners <b>Set text Section B</b>	Introduction to Criminal law – Structure of law courts, <i>Actus reus</i> and <i>mens rea</i>
Autumn Term Second half	How firms compete Banking Market failure Costs, revenue and profit	Cognitive Psychology Research methods Social Psychology	Culture, Socialisation & Identity Youth subcultures	Applied Anatomy and Physiology  Sport Psychology	1.4.2 Data structures  2.2 Object oriented programming	<b>VISUAL SKILLS</b> -painting, printmaking, 3D modelling	<b>INTRODUCTION TO BASIC SKILLS</b> Lighting, cameraless photography, manipulation of images	AOS 4 POPULAR MUSIC AND JAZZ Courtney Pine, Kate Bush and The Beatles analysis. 4-PART CHORALE INTRO	<b>Component 3</b> <b>Set text Section B</b>	Murder, manslaughter and non-fatal offences
Spring Term First half	Business growth Marketing Elasticity Productivity	Social Psychology Research methods Biological Psychology	Youth Subcultures Social Inequalities	Biomechanical Movement  Sport Psychology	1.3.1 Compression encryption and hashing 1.3.2 Databases	<b>VISUAL PROBLEM SOLVING</b> (2D/3D response to visual challenges)	<b>PRELIMINARY PROJECT</b> Applying skills and extending critical and contextual understanding	AOS 1 VOCAL MUSIC Bach and Vaughan-Williams analysis. 4-PART CHORALE EXTENDED TECHNIQUES	<b>Component 1</b> Devising theatre – exploration of stimulus material	How legislation is made and interpreted, Parliamentary sovereignty
Spring Term Second half	Introduction to globalisation Developing and developed economies International trade	Biological Psychology Research methods Learning Theories	Social Inequalities Research methods	Sport and society  Technology in sport	1.1 Characteristics of processors 1.2 Software and software development	<b>PERSONAL INVESTIGATION</b> themes and approaches	<b>PERSONAL INVESTIGATION</b> Introduction to theme, research and initial ideas	AOS 6 NEW DIRECTIONS Saairiho and Stravinsky analysis. 4-PART CHORALE EXTENDED TECHNIQUES	<b>Component 1</b> Devising Theatre – development and rehearsal	The courts of appeal and European Justice
Summer Term First half	Macroeconomic objectives	Learning Theories Issues and debates Research methods Individual study and mock prep	Research methods Individual study and mock prep	Sport and society  Technology in sport	1.3.3 Networks 1.3.4 Web Technologies 1.5 Legal moral ethical	<b>PERSONAL INVESTIGATION</b> Critical and contextual	<b>PERSONAL INVESTIGATION</b> Experimentation and practical development	REVISION, EXAM PRACTICE. DICTATION. 4-PART CHORALE CONSOLIDATION.	<b>Component 1</b> Devising theatre – Final performance and Portfolio <b>Component 3</b> Section A Live theatre review	Assessment 1 write up
Summer Term Second half	Globalisation/ Project	Issues and debates Research methods Individual study and mock prep	Social Inequalities	Mock window  Synoptic brief for analysis of performance	2.1 Elements of computational thinking 2.2.2 Computational methods NEA coursework project work	<b>PERSONAL INVESTIGATION</b> Year 12 exam	<b>PERSONAL INVESTIGATION</b> Year 12 Exam	YEAR 12 EXAM PERFORMANCE RECITAL PREPARATION. FREE-CHOICE COMPOSITON COURSEWORK.	<b>Set text Section B</b>	Resubmissions of assessment



# Year 12 Curriculum



Term/Subject	Graphics	Product Design
Autumn Term First half	Small to medium scale projects to develop design methodology, communication and skills.	Small to medium scale projects to develop design methodology and skills.
Autumn Term Second half		<p><b>Woods:</b>  <b>Chair re-design</b> including:            Ergonomics            Anthropometrics            Isometric sketching            Rendering techniques            Model-making, laser cutting,,            Presentation skills            Critiques</p>
Spring Term First half	<b>Bodoni project</b> learning layout skills, typography, observation, creative interpretation.	<p><b>Joining metals project</b> including:            The use of fine tools (piercing saws, needle files, bow drills),            Finishing,            Polishing            Fine soldering            The use of large tools (hammers and anvil, bastard files),metal lathe work, wood turning, sand casting, riveting, wood finishes</p>
Spring Term Second half	<b>Mixed media project</b> learning illustration techniques, thinking processes and printing production leading to book jacket design for Shakespearian plays.	
Summer Term First half	<b>Animation project</b> learning about cell, stop-motion and digital techniques encompassing, storyboarding, scripting and production.	<p>Plastics lighting project including:            Circuits and wiring,            3-D printing, interior design.</p>
Summer Term Second half	<b>Packaging project</b> considering target markets, production processes, materials choices, smart materials and outcomes.	<p>Thermo and thermoset polymers,            Smart materials.            Paper and board.</p>
	Introduction to personal project	Mock exam