

Curriculum Overview

Year 12 (Key Stage 5)

2023-2024



Subject	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5
GCE Art	<p>Skills building Personal investigation Students start work on preparatory studies for their personal investigation choosing starting points •Appropriate artists</p> <ul style="list-style-type: none"> • Artist research and analysis • Media experimentation • Formal elements • Exploring techniques and processes 	<p>Personal Investigation Students continue with work on preparatory studies for their Personal Investigation Media experimentation</p> <ul style="list-style-type: none"> • Formal elements • Exploring techniques and processes •Refining and developing ideas 	<p>Personal investigation - Final outcome – made during exam 10 hours Present a personal and meaningful response</p> <p>Exam in term 3 School set Assignment preparatory period begins in February Students start work on preparatory studies in response to the set exam theme</p> <p>Choosing starting points from exam board</p> <ul style="list-style-type: none"> • Choosing appropriate artists • Artist research and analysis • Media experimentation • Formal elements • Exploring techniques and processes • Responding to artists •Refining and developing 	<p>Exam - School set Assignment preparatory period begins in February Students continue work on preparatory studies in response to the exam theme</p> <p>Artist research and analysis</p> <ul style="list-style-type: none"> • Media experimentation • Formal elements • Exploring techniques and processes • Responding to artists •Refining and developing ideas 	<p>Exam - School set Assignment - Final piece prep Final outcome – made during exam 10 hours Present a personal and meaningful response</p>
IAL Biology	<p>1A - Biological Molecules 1B - Transport Systems 1C - Molecules, transport and Health 2A - Membranes and transport</p>	<p>2A - Membranes and transport 2B - Proteins and DNA 2C - Gene expression and Genetics</p>	<p>3A - Cell Structure 3B - Mitosis, Meiosis and reproduction 3C - Development of organisms 4A Plant structure and function</p>	<p>4A- Plant structure and function 4B - Classification 4C Conservation</p>	<p>5A - Photosynthesis</p>
IAL Chemistry	<p>1. Formulae, equations and amount of substance 2. Atomic structure and the periodic table 3. Bonding and structure</p>	<p>3. Bonding and structure 4. Introduction to organic chemistry and alkanes 5. Alkenes</p>	<p>6. Energetics 7. Intermolecular forces 8. Redox chemistry and groups 1, 2 and 7</p>	<p>8. Redox chemistry and groups 1, 2 and 7 9. Introduction to kinetics and equilibrium 10. Organic chemistry- Halogenoalkanes, alcohols and spectra</p>	<p>10. Organic chemistry- Halogenoalkanes, alcohols and spectra</p> <p>Exams and Study Leave</p>

<p>IAL Economics</p>	<p>Unit 1: Economics as a social science and economic problem Production possibility Frontier and specialisation and division of labour Types of economy Rational decision making Demand and price elasticity of demand Income and cross elasticity of demand</p>	<p>Unit 1: Supply and cross elasticity of supply Market Equilibrium and functions of price mechanism Indirect taxes and subsidies Sources of market failure and positive and negative externalities Non-provision of public goods and imperfect market Moral hazard, speculation and market bubbles Government intervention in markets</p>	<p>Unit 2: Measures of economic performance and Economic Growth and GDP/GNI Measuring Inflation and unemployment Balance of payments Employment and unemployment and Inflation (cause and effect)</p>	<p>Unit 2: Characteristics of AD, consumption and Investment Government expenditure and net trade Aggregate Supply Circular flow of income, equilibrium levels of national income and multiplier Causes, benefits and costs of economic growth and output gaps Macroeconomic objectives and possible conflicts Supply-side and demand-side policies</p>	<p>Exam Leave Exams and Study Leave</p>
<p>GCE English</p>	<p>Voices in Speech and Writing - Paper 1A and 1B Spoken Language Functions and Spoken Language Features. Transactional tasks. Exam focus Paper 1</p>	<p>Othello - Paper 2b Overview of the plot, key themes and characters - Context(s) contemporary and Jacobean P2 Section B - P Exam focus - Paper 2 section A</p>	<p>The Great Gatsby - Paper 2A The Context of The Great Gatsby- production and reception - Exam focus - Paper 2 section A</p>	<p>The Great Gatsby - Paper 2A Continued and Revision. Review of anthology texts and Paper 1 skills</p>	<p>Coursework- Paper 3 *Exams and Study Leave</p>
<p>GCE French</p>	<p>Theme 1: Les changements dans la société française Les changements dans les structures familiales L'éducation</p>	<p>Theme 1: Les changements dans la société française L'éducation Le monde du travail</p>	<p>Theme 2: La culture politique et artistique dans les pays francophones La musique (Les changements et les développements ; l'impact de la musique sur la culture populaire) Les médias (La liberté d'expression ; la presse écrite et en ligne)</p>	<p>Theme 2: La culture politique et artistique dans les pays francophones Les médias (l'impact sur la société et la politique) Les festivals et les traditions (Les festivals ; fêtes, coutumes et traditions)</p>	<p>Film: Intouchables Novel: Un sac de billes</p>

<p>Future Pathways</p>	<p>Section 1: Study Skills Unifrog introduction Careers search</p>	<p>Section 1: Careers search Work experience Section 2: MOOCs, what are they? Selecting a MOOC MOOC learning record</p>	<p>Section 2: Selecting a MOOC MOOC learning record UK and US Application timelines University shortlisting Start application essays</p>	<p>Section 2: Continue MOOC Continue application essays</p>	<p>Exam Leave until beginning of June</p> <p>References/Letters of recommendation First draft application essay The summer ahead</p>
<p>IAL Geography</p>	<p>Unit 1A Globalisation: Globalisation is a key theme in human and economic geography, but it is a complex process with multiple causes and contested consequences.</p> <p>Exploration of the causes in detail and the consequences to be considered in different places and for different groups of people.</p> <p>Research into the patterns and trends in global migration, which present significant geographical challenges in some locations.</p> <p>An in depth study into Migration to learn how it helps fuel urbanisation.</p> <p>An exploration of the consequences of urban growth as well as the problems of providing resources for people in an increasingly globalised, urbanised, affluent world.</p>	<p>Unit 1B: World at risk: This topic considers the physical processes that cause natural hazards, as well as the relationship between ‘hazard’ and ‘disaster’.</p> <p>Investigating the distribution of natural hazards and trends in both hazard events and disasters.</p> <p>Research into why Hydrometeorological hazards are frequently linked to global warming.</p> <p>An in-depth study of climate natural change on longer timescales as well as a consideration of the consequences of, and responses to, a warming world today and in the future.</p>	<p>Urban Environments: Urban environments are frequently locations of both rapid change and inequality.</p> <p>Research into how city planners and managers often struggle to manage rapid urban development and change, both in terms of growth and decline.</p> <p>Exploration of how transport issues are a key challenge in cities at all levels of development.</p> <p>An In-depth investigation of housing issues in both developed and developing world cities, as well as consideration of the variety of approaches to managing demand for housing.</p> <p>Fieldwork: There are a wide range of potential research and fieldwork opportunities in this topic, including comparing quality of life and housing in an urban area, investigating transport issues and their effects and evaluating the success of transport management, regeneration</p>	<p>Coasts: Physical processes are important in shaping coastlines.</p> <p>An In-depth investigation of how geological structure and lithology influence coastal landforms and how these are also shaped by weathering, erosion, mass movement and deposition processes.</p> <p>The focus of this topic is physical geography, but this is extended to include an assessment of the risks of living on coastlines threatened by erosion and flooding, as well as rapid human development.</p> <p>Research on how coastlines can be managed in a sustainable way in an era of rising sea levels.</p> <p>Fieldwork: There are a wide range of opportunities for research and fieldwork including on hard and soft rock coasts, investigating coastal ecosystems, the pressures from coastal development as well as the success of coastal management schemes.</p>	<p>Revision and Exams:</p> <p><i>Sources of help:</i></p> <ul style="list-style-type: none"> - Edexcel Past Papers - CGP Revision Guides - Seneca Learning - BBC Bitesize - National Geographic - The Guardian/BBC News - USGS - NASA/NOAA - The MET office - Youtube

			and housing provision schemes.		
GCE History	<p>Unit 1: Depth Study with Interpretations Option 1C: Germany 1918-1945</p> <p>1. The Democratic Experiment 1918-29: Collapse of Kaiser government/end of WWI, the German Revolution, creation of the Weimar Republic and its survival</p> <p>2. The Rise of the Nazis: origins of the Nazis, coup attempts, the influence of Hitler, Nazi breakthrough with Great Depression and Weimar collapse, elections 1930-33</p>	<p>Unit 1: Depth Study with Interpretations Option 1C: Germany 1918-1945</p> <p>3. Nazi Germany 1933-39: the dictatorship, Hitler consolidating power, repression and laying groundwork for the Holocaust, Nazi domestic and foreign policies</p> <p>4. Germany at War 1939-45: managing the war economy and the people, evolution of genocide, losing the war, and eventual Nazi defeat</p>	<p>Paper 1: Depth Study with Interpretations Option 1C: Germany 1918-1945 Module 1 exam in January, beginning of half-term 3</p> <p>Unit 2: Breadth Study with Source Evaluation Option 1C: Russia 1917-91 - From Lenin to Yeltsin</p> <p>1. Communist government in the USSR, 1917-91</p> <p>2. Industrial and agricultural change, 1917-91</p>	<p>Unit 2: Breadth Study with Source Evaluation Option 1C: Russia 1917-91 - From Lenin to Yeltsin</p> <p>3. Control of the People, 1917-91</p> <p>4. Social Developments 1917-91</p>	Revision and exam prep/leave
IAL IT	<p>Topic 1: Hardware and software</p> <p>Topic 2: Networks skills: Basic HTML (Topic 7)</p>	<p>Topic 3: The online environment Skills HTML + CSS (Topic 8)</p>	<p>Topic 4: IT systems Skills Javascript basics</p>	<p>Topic 5: Data and databases Topic 6: Wider issues Skills HTML + CSS + Javascript</p>	Revision
IAL Mathematics	<p>P1.1 Algebraic expressions P1.2 Quadratics P1.3 Equations and inequalities P1.4 Graphs and transformations P1.5 Straight line graphs P1.6 Trigonometric ratios</p> <p>S1.1 Mathematical modelling S1.2 Measures of location and spread S1.3 Representations of data</p>	<p>P1.6 Trigonometric ratios P1.7 Radians P1.8 Differentiation P1.9 Integration</p> <p>S1.4. Probability S1.5 Correlation and regression</p>	<p>P2.1 Algebraic methods P2.2 Coordinate geometry in the (x,y) plane P2.3 Exponentials and logarithms P2.4 The binomial expansion P2.5 Sequences and series</p> <p>S1.5 Correlation and regression S1.6 Discrete random variables</p>	<p>P2.5 Sequences and series P2.6 Trigonometric identities and equations P2.7 Differentiation</p> <p>S1.7 The normal distribution</p>	<p>P2.8 Integration</p> <p>S1.7 The normal distribution</p> <p>Exams and Study Leave</p>
Physical Education	<p>Rock climbing</p> <p>Football</p>	<p>Badminton Underarm service, overhead clear, flick service, smash, singles and doubles game</p>	<p>Basketball Fingertip control, Dribbling, Chest pass and bounce pass,</p>	<p>Netball Hand-eye coordination and passing and catching technique, Shooting technique,</p>	<p>Athletics Short, medium and long distance running, long jump, High jump</p>

	Ball control, passing, shooting, Attacking and defending tactics, small sided games, rules of the game		Shooting, Defence, Small sided games	Footwork fundamentals, Attacking and Defensive Tactics	Javelin throwing, Shot put, Relays
IAL Physics	Mechanics: motion, energy and momentum Standard units, estimation and uncertainties Practical skills applied to mechanics	Materials: fluids and solids Waves: types and behaviour Practical skills applied to materials	Waves: light and quantum physics Electricity: concepts Practical skills applied to waves	Electricity: circuits Practical skills applied to Electricity Revision	Revision and exam leave Introduction to year 13 physics (topic varies depending on students' interests)
PSHE	Living in the wider world ,managing money, social media, freedom of expression, sexism in social media Health First sessions: sex education, drugs, first aid	Health and Wellbeing, building up resilience, mental health, exam stress, being a people pleaser	Relationships, misogyny, toxic masculinity, body image, pornography, abusive relationships	Current affairs, charity projects	Exam leave
GCE Psychology	Social psychology: obedience and prejudice Research methods for social psychology Descriptive statistics	Cognitive psychology: models of memory Research methods for cognitive psychology Hypothesis testing: the U and the T test Biological psychology: the central nervous system	Biological psychology: aggression Psychodynamic explanations of aggression Research methods for biological psychology Hypothesis testing: Spearman's rho	Learning theories: conditioning, social learning and phobias Research methods for learning theories Hypothesis testing: the chi-squared test	Revision and exam leave Introduction to year 13 psychology (topic varies depending on students' interests)