



Curriculum Map: Year 11, 2021-2022

	Michaelmas 1	Michaelmas 2	Lent 1	Lent 2	Summer 1	Summer 2
Y11 English	GCSE C19th Fiction Text : Dr Jekyll and Mr Hyde Study of character, theme, exposition and narrative structure, narrative perspective, context etc. in relation to the requisite skills of the AOs, including reader response. Literature extract questions based on theme and/or character. + Language Paper 1 Revision using extracts from core text		Language Paper 2 preparation.		Revision	Revision
Y11 Maths	Edexcel International GCSE (9-1) Mathematics A Book 2 by Pearsons <ul style="list-style-type: none"> Handling Data 5 Laws of probability Combined events Independent events and tree 	Edexcel International GCSE (9-1) Mathematics A Book 2 by Pearsons <ul style="list-style-type: none"> Number 10 Rational and irrational numbers Surds Top Set Only <ul style="list-style-type: none"> Algebra 9 	Edexcel International GCSE (9-1) Mathematics A Book 2 by Pearsons <ul style="list-style-type: none"> Shape and Space 8 Vectors and vector notation Multiplication of a vector by a scalar Vector 	Edexcel International GCSE (9-1) Mathematics A Book 2 by Pearsons <ul style="list-style-type: none"> Graphs 9 Gradient of a function Differentiation Stationary points Motion of a particle in a 	Revision	Revision

	<ul style="list-style-type: none"> diagrams Conditional probability Number 9 Comparative costs Taxation Salaries and income tax Foreign currency Handling Data 6 Drawing histograms Interpreting histograms 	<ul style="list-style-type: none"> Solving two simultaneous - one linear and one non-linear Proof Graphs 8 Gradient of a curve at a point Translating graphs Reflecting graphs Stretching graphs 	<ul style="list-style-type: none"> geometry Shape and space 9 3D trigonometry Algebra 10 Simplifying algebraic fractions Operations on algebraic fractions Solving equations with algebraic fractions 	<ul style="list-style-type: none"> straight line Shape and Space 10 Graphs of sine, cosine and tangent Sine Rule Cosine Rule Area of a triangle Handling Data 7 More compound probability More tree diagrams More conditional probability 		
Y11 Computing	<ul style="list-style-type: none"> Working knowledge of hardware that is required to make a computer system. how to procure components and physically make a PC Having a working knowledge of other operating system <p>Working through their GCSE Project</p>	<ul style="list-style-type: none"> Basic understanding of networking components and addressing methods. Able to work remotely on other systems Completing basic maintenance of software and operating systems 	<ul style="list-style-type: none"> Understanding computational thinking. looking at the structure of a program and writing complicated programs to complete a project Using HTML and Bash Having a working knowledge of other operating systems and able to communicate 	<ul style="list-style-type: none"> Understanding computational thinking. looking at the structure of a program and writing complicated programs to complete a project Using HTML,Python, Bash and C++ Having a working knowledge of other operating systems and able to 	Revision	Revision

			with other systems over a network	communicate with other systems over a network		
Y11 Biology	B10 The human nervous system <ul style="list-style-type: none"> Principles of homeostasis. structure and function of the nervous system. reflex actions. The brain The eye 	B11 Hormonal Coordination <ul style="list-style-type: none"> Principles of hormonal control. COntrolling blood glucose levels and diabetes. Negative feedback systems. Human reproduction and the menstrual cycle Use of hormones as contraceptives. IVF and assisted conception. Plant hormones and their uses. 	B12 Homeostasis control of body temperature. <ul style="list-style-type: none"> Removing waste products - kidney liver urine production Kidney failure and kidney transplant vs dialysis debate B13 Reproduction <ul style="list-style-type: none"> mitosis and meiosis DNA chromosomes genes How are proteins made by the body Gene expression and mutation Inheritance and genetic crosses using punnet squares Reading family trees for inherited disorders Specific inherited disorders - 	B14 Variation and evolution <ul style="list-style-type: none"> Natural selection and survival of the fittest. Selective Breeding and other forms of genetic manipulation, transferring genes and cloning Ethics of gene technologies B15 Genetics and Evolution <ul style="list-style-type: none"> History - Mendel - Darwin - Lamarck Forming new species Evidence in the fossil record Extinction Classification B16 Adaptations Interdependence and competition	B17 Organising an Ecosystem <p>Trip to Wicken Fen</p> <ul style="list-style-type: none"> cycling materials like carbon, water and nitrogen Rates of decomposition B18 Biodiversity and Ecosystems <ul style="list-style-type: none"> Humans, pollution, deforestation, global warming, protection of ecosystems, how biomass and energy are transferred. Food security. 	Revision /Study Leave

			polidactyly and Cystic Fibrosis. <ul style="list-style-type: none"> Screening for genetic disorders 			
Y11 Chemistry	C11 polymers cont. <ul style="list-style-type: none"> Natural polymers and DNA C12 Chemical Analysis <ul style="list-style-type: none"> Analysing pure substances and mixtures. Using chromatography Testing for gases Testing for positive ions and negative ions. Instrumental analysis eg. spectroscopy 	C13 The Earth's Atmosphere <ul style="list-style-type: none"> History of the atmosphere of earth and how it has evolved. Greenhouse gases Global Climate change Atmospheric pollutants C14 The Earth's Resources <ul style="list-style-type: none"> Finite or renewable? How to make water safe to drink 	C14 The Earth's Resources <ul style="list-style-type: none"> Analysis and purification of water samples Treating wastewater Extracting metals from their ores Lifecycle assessments Reduce, reuse, recycle 	C15 Using our resources <ul style="list-style-type: none"> Rusting is a form of corrosion - a chemical reaction between metals and substances in the environment. Useful alloys eg Bronze and Brass The properties of polymers Glass ceramics and composites Making Ammonia in the Haber process Making fertilizers in the lab and in industry 	Revision	Revision
Y11 Physics	P11 Force and pressure <ul style="list-style-type: none"> Pressure on solids Pressure in liquids and gases Upthrust and flotation P12 Wave properties <ul style="list-style-type: none"> The nature and properties of waves Reflection and refraction Sound waves and ultrasound 		P14 Light <ul style="list-style-type: none"> Reflection and refraction of light Colour Lenses and lens diagrams P15 Electromagnetism <ul style="list-style-type: none"> Magnetic fields and electric currents Electromagnets, motors and generators Transformers 		Revision	

	<ul style="list-style-type: none"> Seismic waves <p>P13 Electromagnetic waves</p> <ul style="list-style-type: none"> The parts of the electromagnetic spectrum Uses and dangers of the electromagnetic spectrum 		<p>P16 Space</p> <ul style="list-style-type: none"> Formation of the Solar System The life of a star Planets, satellites and orbits The history and future of the Universe 			
Y11 Astronomy	Coming Soon					
Y11 Business Studies	<p>Human Resources</p> <ul style="list-style-type: none"> Organisational structures - the organigram Recruitment and Selection of employees Motivational techniques - understanding Maslows hierarchy The purpose and benefits of training 	<p>Marketing</p> <ul style="list-style-type: none"> Identifying and understanding the customer Market segmentation Purpose and Methods of Market research Elements of the marketing mix and how to pick your gap in the market. 	<p>Marketing (cont)</p> <ul style="list-style-type: none"> The marketing mix product place price promotion Distribution of the product 	<p>Finance</p> <ul style="list-style-type: none"> Sources of Finance - loans, overdrafts, credit, mortgage, investors, family Cash flow forecasts and Statements. the balance sheet Financial terms and calculations Analysing the financial performance of a business through ratios and by comparing to other businesses using their financial statements 	Revision	
Y11 Sociology	<u>Coming Soon</u>					
Y11 History	<u>Whitechapel 1870-1900</u> (Thematic study)	<u>The USA 1954-75: conflict at home and abroad</u> (Modern depth study)	<u>The USA 1954-75: conflict at home and abroad</u> (Modern depth study)	<u>The USA 1954-75: conflict at home and abroad</u> (Modern depth study)	<u>Revision and Examination preparation</u>	Examination period

	<p>Introduction to Historic Environment – The local context of Whitechapel The prevalence of lodging houses & pubs The organisation of policing in Whitechapel Investigate policing in Whitechapel The national and regional context</p>	<p>The position of black Americans in the early 1950s Progress in education The Montgomery Bus Boycott and its impact 1955-60 Opposition to the civil rights movement Progress 1960-62 Peaceful protests and their impact 1963-65 Malcolm X and Black Power, 1963-70 The civil rights movement 1965-75</p>	<p>Reasons for US involvement in conflict in Vietnam 1954-63 Escalation of the conflict under Johnson The nature of conflict in Vietnam 1964-68 Changes under Nixon 1969-73</p>	<p>Opposition to the war Support for the war The peace process and the end of the war Reasons for the failure of the USA in Vietnam Reasons for Failure, cont.. End of Module Assessment</p>	<p>Crime & Punishment Revision Early Elizabethan England Revision British America Empire & Revolution Revision The USA, 1954-75 Revision Exam practice</p>	
Y11 Geography	<p><u>1.Energy Collins IGCSE</u> Introduction to energy types, growth in energy consumption in MEDCs, LEDCs and worldwide in numbers, social, economic, political and environmental reasons for rapid energy consumption increases. Fossil fuels in numbers, STUDENT PRESENTATIONS: in depth analysis of how non-renewable (fossil fuels, fuelwood and nuclear) and renewable (solar, wind, HEP, biofuels, geothermal, wave and tide) energy sources are generated</p>	<p><u>3. Map skills/ Paper 2 Collins IGCSE</u> Using OS maps, recap and extend latitude and longitude, relief and contours, measure straight and curved distance, gradient, bearings, land use, drainage, photo analysis, graph analysis, data interpretation, field sketches, choropleth maps, flow diagrams etc. <i>MOCKS</i> <u>4.Weather (2019 only) Collins IGCSE</u> the difference between weather and climate, recap climate</p>	<p><i>After school catch up for students who missed Year 9 commences</i> <u>4. Weather (continued)</u> Rainfall types including conventional, relief and frontal, cloud types using both photos, drawings and diagrams, reading isolines on a map, how tropical storms form. <i>Assessment</i> <u>5. International Development Collins IGCSE</u> How do we define development, LEDCs, MEDCs, NICs,</p>	<p><i>After school revision commences.</i> <u>6. Tourism (2020 only) Collins IGCSE</u> What is tourism, the social, economic, cultural, political and environmental reasons for the rapid growth of tourism in MEDCs and LEDCs and reasons for some decline. Tourism in numbers. The environmental and socio-economic impacts of tourism and possible solutions. Case study of Lanzarote <i>Assessment</i></p>	<p><u>6 lessons of revision</u> Paper 1: Wed 6th May Paper 2: Mon 18th May Paper 3: Wed 3rd June</p>	Y11

	<p>and their individual advantages and disadvantages. Decision-making exercise: renewables in the UK</p> <p><i>Assessment</i></p> <p><u>2. Climate & Ecosystems</u> Collins IGCSE</p> <p>Recap what a biome is and energy flows within ecosystems. The location and types of world biome, the DOPPLAR factors that affect climate and therefore biome type (Distance from the Sea, Ocean currents, Pressure cells, Prevailing Winds, Latitude, Altitude, Relief). Analysing and creating climate graphs. The reasons for the climate in tropical desert biomes, tropical desert flora and fauna, and their adaptations. Namib desert case study. The reasons for the climate in tropical rainforest biomes, tropical rainforest flora and fauna, and their adaptations, the social, economic, political and environmental reasons</p>	<p>DOPPLAR (influences on climate) how to measure weather including: rain gauges, max-min thermometers, hygrometers, anemometers, weather vanes, barometers, sunshine recorders, the siting and situation of Stevenson Screens.</p>	<p>measuring development and quality of life, human development index, economic development patterns world wide and over time (link back to Clark Fisher Model), the development gap causes, consequences and solutions, the rise of transnational corporations (TNCs), TNCs in numbers, the growth of globalisation, globalisation as an economic, social and cultural concept, globalisation in our own lives, fair trade, Nike case study of a TNC.</p> <p><i>Assessment</i></p>	<p><u>7. Water (4) Collins IGCSE</u></p> <p>water supply and water quality patterns world wide, water supply in numbers, how water is used in industry(fashion, energy, trade) and agriculture (water miles), human (social, economic and political) and physical (environmental) causes of water shortage, the human and environmental impact of water shortage, potential solutions to water shortage and reduction in water consumption, Case study: water supply in Cambridge or London.</p> <p><i>Assessment</i></p> <p><u>8. Environmental Risks of Economic Development</u> Collins IGCSE</p> <p>Recap economic growth and industrial location, the function & types of agriculture, look at land degradation and desertification worldwide, enhanced global warming and human contributions to climate change, recall</p>		
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	for the deforestation of tropical rainforests, its local and global human and physical impacts including the link to climate change, solutions to deforestation, equatorial rainforest case study: Borneo			<p>the greenhouse effect, revise the pollution types (air, water, noise, soil, light, visual) and their causes and consequences,, recap food and water shortage, tie together the IGCSE topics to explain human impact on the natural environment. Revise desertification and soil erosion. Create a complete list of possible environmental impacts. Recap deforestations, its causes and its local/ global impacts as well as possible solutions. Case study: palm oil production in Borneo. Link to deforestation case study.</p> <p><i>Assessment</i></p> <p><i>EASTER HOLIDAYS: FULL REVISION DAY including complete Paper 1 Mock</i></p>		
Y11 Latin	<p>Language</p> <ul style="list-style-type: none"> - Deponent verbs - Future participles - Future tense - Gerundive of obligation <p>Literature (Aeneid 2)</p> <ul style="list-style-type: none"> - Context of the Aeneid + intro to 	<p>Language</p> <ul style="list-style-type: none"> - Infinitives - acc + inf: indirect statement <p>Literature (Aeneid 2)</p> <ul style="list-style-type: none"> - 1.547-558 - 1.705-720 - 1.721-729 <p>Vocabulary</p>	<p>Language</p> <ul style="list-style-type: none"> - Fearing clauses - Recap acc + inf - Recap prepositions - Recap passive verbs <p>Literature (Aeneid 2)</p> <ul style="list-style-type: none"> - 1.730-740 - 1.768-779 	<p>Language</p> <ul style="list-style-type: none"> - English to Latin prep - Translation practice - FULL Language paper <p>Literature (Aeneid 2)</p> <ul style="list-style-type: none"> - FULL Verse paper - Revision of 	<p>English to Latin prep</p> <p>Translation practice</p> <p>FULL Sources paper</p> <p>Randomised vocab lists</p>	

	Book 2; 1.506- 511 - 1.512-525 - 1.526-534 - 1.535-546 Vocabulary - 1st declension nouns - 2nd decl. nouns - 3rd decl. nouns - all adjectives	x Mocks: Full Language paper Verse Lit so far	- 1.780-794 - Exam prep Vocabulary - All adjectives - 1st conj verbs - 2nd conj verbs - 3rd conj verbs - Randomised lists	Literature & Culture (Sources paper) Vocabulary - 4th conj verbs - Irregular & deponent verbs - Randomised lists		
Y11 Art	Coursework development <u>A03: RECORD</u> <ul style="list-style-type: none"> develop and refine ideas and proposals, personal outcomes or solutions with increasing independence develop critical understanding through investigative, analytical, experimental, practical, technical and expressive skills 	Coursework development towards Mock Exam <u>A04:PRESENT</u> <ul style="list-style-type: none"> Create a personal response with sophisticated realisation of intentions. Understanding of visual language, applying formal elements. 	OCR Exam paper Sketchbook preparation A01/ A02/A03 <ul style="list-style-type: none"> Trip to Photographers Gallery and Tate Britain for Camera Obscura workshop and artist research. 	OCR Exam paper Sketchbook preparation A01/ A02/ A03	10 hour Art Exam A04	
Y11 Music	AoS 1 - Western Classical music 1650-1910 including Haydn study piece Composition to a brief released by AQA in Sept	AoS 1 - Western Classical music 1650-1910 including Haydn study piece Composition to a brief released by AQA in Sept	Revision and practice questions for all AoS Composition to a brief	Final performances recorded Composition coursework completed	Revision and exam practice	
Y11 Drama	Devised Piece	Rehearsal and	Practical exploration of	Continued exploration	Revision and exam	

	<p>introduction and preparation. Workshops exploring the given stimulus and devising process begins.</p> <p>Preparation and practise for the written paper.</p>	<p>performance of examined Devised Performance - 20%</p> <p>Collating notes and perfecting written responses on the devised unit in preparation for the exam</p>	<p>Pre-release material - 2 contrasting script extracts</p> <p>Preparation and practise for the written exam.</p>	<p>and analysis of pre-release texts.</p> <p>Structuring notes and revision / written prep and technique.</p>	preparation	
Y11 Spanish	<p>Food and festivals Talking about typical foods Comparing different festivals</p> <p>Using demonstrative adjectives Using the conditional Using different tenses together Describing a special day Ordering in a restaurant Talking about a music festival Exam preparation for mocks Using the passive Using impersonal expressions to avoid the passive Using reflexive verbs in the preterite Using absolute superlatives Irregular verbs in the preterite Using expressions</p>	<p>Part-time jobs Talking about how you earn money</p> <p>Work experience and future plans Talking about work experience Talking about the importance of learning languages Applying for a summer job Discussing gap years Discussing plans for the future Using different ways to express future plans</p> <p>Using verb <i>soler</i> in the imperfect tense</p> <p>Using the preterite and imperfect together Using the present and present continuous</p>	<p>Global and environmental issues Considering global issues. Talking about local actions. Healthy lifestyle: drugs, alcohol, smoking Talking about natural disasters</p> <p>Using the present subjunctive. Understanding different tenses Using the pluperfect tense Using the imperfect continuous</p> <p>Translation skills</p> <p>GCSE Revision trip Revision classes, workshops and other activities to boost</p>	<p>Revision and exam preparation</p> <p>Translation skills</p>	<p>Revision and preparation for assessment Exemplar student answers Additional translation practice Vocabulary for assessment rubrics and instructions</p> <p>Theatre visit: To boost listening and speaking skills and MFL cultural experience. Students will work in all 4 skills to complete pre-visit workbook activities</p>	N/A

	<p>followed by the infinitive</p> <p>Translation skills Resources: GCSE Speaking booklet Literary text booklet Translation booklet</p>	<p>Using verbs <i>saber</i> and <i>conocer</i> Using indirect object pronouns</p> <p>Revising the conditional Using subjunctive with <i>cuando</i> Using the present subjunctive</p> <p>Translation skills</p>	<p>listening, speaking, reading and writing skills leading to the exam.</p>			
Y11 French	<p>School Talking about your school Comparing school in the UK and French-speaking countries Discussing school rules Discussing healthy living Discussing vices Talking about a school exchange</p> <p>Translation skills Using the pronouns <i>il, ils</i> and <i>elle, elles</i> Using <i>il faut</i> and <i>il est interdit de</i> Using the imperative Using the present and future tenses Using past, present and future timeframes</p>	<p>Talking about a school exchange Using the present and future tenses</p> <p>Vocabulary for assessment rubrics and instructions General conversation questions</p> <p>Mock exams</p> <p>Jobs and Careers Discussing career choices Talking about plans, hopes and wishes Applying for jobs Understanding case studies</p> <p>Translation skills Saying 'better/worse' and 'the best/worst'</p>	<p>Global issues Discussing problems facing the world Talking about protecting the environment Discussing ethical shopping Talking about volunteering Discussing big events</p> <p>Making connections between word types Translation skills Using modal verbs <i>pouvoir</i> and <i>devoir</i> in the conditional tense Using the passive Using indirect object pronouns Giving arguments for and against</p>	<p>Revision and preparation for assessment Exemplar student answers Additional translation practice Vocabulary for assessment rubrics and instructions GCSE Revision trip Revision classes, workshops and other activities to boost listening, speaking, reading and writing skills leading to the exam.</p>	<p>Revision and preparation for assessment Exemplar student answers Additional translation practice Vocabulary for assessment rubrics and instructions</p>	N/A

		thing' Understanding the subjunctive Using direct object pronouns in the perfect tense Using verbs followed by <i>à</i> or <i>de</i>				
Y11 PE	Coming Soon					
Y11 PSHCEE	Coming Soon					