

Year 11	Michaelmas 1	Michaelmas 2	Lent 1	Lent 2	Trinity 1	Trinity 2
English Lit & Lang	<u>AQA Poetry Cluster</u> Textual analysis Socio-historical context	<u>Language 1 Exam Prep</u>	<u>Lang 1 and 2 Exam Prep</u>	<u>Interleaved Practice of Lit and Lang</u>		
Computer Science	Different types of network – LAN / WLAN / WAN Client-server Peer-to-peer Bus topology Ring topology Star topology Mesh Topology Wired and wireless connectivity Network data speed Network protocols / email (TCP/TCP/IP) protocols HTTP/HTTPS/FTP Internet protocols IP	Network security Authentication and validation Firewalls Physical security Cloud storage and security Contemporary storage and security Cyber attacks Technical weaknesses Protecting against security weaknesses(cyber-attacks / vulnerabilities) Penetration testing Commercial analysis tools Network / user policies www Computing and the environment Manufacture Raw material extraction production Usage Disposal Preserving the environment	Privacy Personal data Big data Surveillance Location based services Privacy-enhancing tools Cyber security Digital inclusion Professionalism Legal impact Intellectual property Licensing Exam preparation	<u>Paper 1</u> ● Understanding what algorithms are, what they are used for and how they work; ability to interpret, amend and create algorithms ● Understanding how to develop program code and constructs, data types, structures, input/output, operators and subprograms. This component may also draw on: ● Understanding binary representation, data representation, data storage and compression, encryption and databases ● Understanding components of computer systems; ability to construct truth tables, produce logic statements and read and interpret pseudo-code ● Understanding computer networks, the internet and the worldwide web ● Awareness of emerging trends in computing technologies, the impact of computing on individuals, society and the environment, including ethical, legal and ownership issues. <u>Paper 2</u> ● Understanding of what algorithms are, what they are used for and how they work; ability to interpret, amend and create algorithms. ● Understand the requirements for writing program code. ● Understanding of binary representation, data representation, data storage and compression, encryption and databases.	<u>Question Level Analysis identified Revision: Examinations on the 11th and 14th May 2020</u>	
	October Half Term Holiday	Assessments w/c 2/12/19 before Christmas Holidays	February Half Term Holiday	Assessments w/c 10/2/20 before Easter Holidays		Whitsun Half Term Holiday

Food preparation and nutrition	<p>Advanced skills: advanced dough pastry, pasta and bread</p> <p>Skills focus: Sauces</p> <p>Topic: NEA 1 research phase</p> <p>Food science: Conducting Food science investigations</p>		<p>Advanced skills: Setting mixtures</p> <p>Skills focus: NEA2 Food preparation research phase</p> <p>Topic: Sensory analysis</p> <p>Food science: NEA1 Food science investigation</p>	<p>Advanced skills: Kitchen management & planning</p> <p>Skills focus: NEA2 Food preparation trials and examination</p> <p>Topic: Diet & Health revision</p> <p>Food science: Revision</p>		<ul style="list-style-type: none"> ● Understanding of components of computer systems; ability to construct truth tables, produce logic statements. ● Understanding of computer networks, the internet and the worldwide web. ● Awareness of emerging trends in computing technologies, and the impact of computing on individuals, society and the environment, including ethical, legal and ownership issues. 						
Maths	<p>Collecting Like Terms</p> <p>Multiply and Divide terms / expressions</p> <p>Multiply out expressions with brackets such as $3(x+2)$ or $5(x-2)$.</p> <p>Expand (and simplify) harder expressions such as $x(x^2-5)$ and $3(x+2)-5(2x-1)$.</p> <p>Expand (and simplify) quadratic expressions such as $(x+4)(x-2)$, $(2x+y)(3x-2y)$ and $(x+2)^2$.</p> <p>Create expressions or formulae to represent worded problems</p>		<p>Using ratio notation, including reduction to its simplest form and its various links to fraction notation</p> <p>Solving word problems about ratio and proportion, including using informal strategies and the unitary method of solution.</p> <p>Dividing a quantity in a simple ratio</p> <p>Dividing a quantity in a given ratio including $a:b:c$ including combined ratio</p> <p>Problem solving and reasoning using proportion</p>	Targeted Revision		Targeted Revision						
RE	<p>Paper 2 – Religion, peace and conflict: Islam. (50%)</p> <p>Topic covered: finishing Muslim beliefs and start Living a Muslim Life</p>		<p>Paper 2 – Religion, peace and conflict: Islam. (50%)</p> <p>Topic covered: Living a Muslim Life</p>	<p>Paper 2 – Religion, peace and conflict: Islam. (50%)</p> <p>Topic covered: Peace and Conflict</p>		<p>Paper 2 – Religion, peace and conflict: Islam. (50%)</p> <p>Topic covered: Crime and Punishment</p>	<p>Paper 2 – Religion, peace and conflict: Islam. (50%)</p> <p>Revision: Examinations on the 11th and 19th May 2019.</p>				N/A	
Geography	<p>Paper 2 cont.</p> <p>UK's Evolving Human landscape.</p> <ol style="list-style-type: none"> 1.where do we live in the UK? 2. Decline of the old economy 3. Dinnington case study. 4. The rise of the new economy. 5. The impact of globalization. 6. Inequalities in London. 7. Stratford- field trip-write up over half term. 		<p>UK's Evolving landscape cont.</p> <ol style="list-style-type: none"> 1.Understanding London. 2. Expansion and regeneration. 3. Impacts of rebranding- Newham. 4. Rural issues. 5. Devon Case study. 6. New opportunities. 	<p>Paper 3.</p> <p>People and the Biosphere.</p> <ol style="list-style-type: none"> 1.What and where- biomes. 2.Local factors and biomes. 3. Goods and services in the biomes. 4. Threats to the rainforest 5. Management of the rainforest. <p>Forests under threat.</p>		<p>Forests under threat cont.</p> <ol style="list-style-type: none"> 1.Taiga- Direct threats. 2. Taiga under pressure. 3. Conservation of the taiga. <p>Consuming Energy Resources.</p> <ol style="list-style-type: none"> 4. Types of energy. 5.Environmental impacts of energy extraction. 6. Global energy use. 	<p>Consuming Energy Resources.</p> <ol style="list-style-type: none"> 1. Reducing reliance on fossil fuels. 2. Energy alternatives. 3. Future of energy consumption. <p>Exam revision.</p>			Exam revision.		

				6,What are tropical rainforests. 7. Nutrient cycle/Carbon cycle. 8.Direct threats to the rainforest. 9. indirect threats to the rainforest. 10. Management of the rainforest- national and global.		7. Changing costs of energy. 8. Costs of developing fossil fuels.		
History History 9-1: Pearson Edexcel	Course Content: Paper 2- Period Study: Superpower relations and the Cold War, 1941-91 (20% total) Topic 1: Origins of the Cold War (1941-1958)		Course Content: Paper 2- Period Study: Superpower relations and the Cold War, 1941-91 (20% total) Topic 2: Cold War Crises (1958-1970)	Course Content: Paper 2- Period Study: Superpower relations and the Cold War, 1941-91 (20% total) Topic 3: 3: End of the Cold War (1970-1991)		Course Content: Paper 2- Period Study: Superpower relations and the Cold War, 1941-91 (20% total)	REVISION of ALL TOPICS	ALL PAPERS

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Combined Science	<p><u>The Atmosphere</u></p> <p>Proportions of gases in the atmosphere. The earth's early atmosphere. How oxygen increased. How Carbon Dioxide decreased. Greenhouse gases. The effect of human activities. Global Climate Change. Carbon footprint. Atmospheric pollutants.</p> <p><u>Coordination and control</u></p> <p>Homeostasis (triple only). The nervous system. Reflex actions. The brain (triple only). Required ractical: Investigating reaction time. The eye (triple only). Seeing in focus (triple only). Eye defects (triple only). Controlling body temperature (triple only). The endocrine system. Controlling blood glucose. Diabetes. Water balance (triple only). The kidneys (triple only). Negative feedback. Kidney failure (triple only). Dialysis or transplant (triple only). Human reproduction. IVF. Contraception. Auxins Application of Auxins (triple only). Required practical: The effect of light and gravity on the growth of</p>	<p><u>Rate and extent of chemical change</u></p> <p>Reversible reactions and energy changes. Equilibrium. Changing concentration and equilibrium. Changing temperature and equilibrium. Changing pressure and equilibrium.</p> <p><u>Genetics, variation and evolution</u></p> <p>DNA and Genes. The human genome. Tracing human migration. The structure of DNA (triple only). Proteins (triple only). Mutations (triple only). Meiosis. Asexual reproduction. Genetics. Genetic crosses. Tracking gene disorder. Gregor Mendel (triple only). Variation The theory of evolution. Natural selection. Fossil evidence for natural selection. Darwin and Wallace (Triple only). Evidence of natural selection and evolution. Antimicrobial resistance. Selective Breeding. Producing new plant varieties.</p>	<p><u>Sustainable development</u></p> <p>The Earth's resources. Potable water. Required practical: Analysis and purification of water samples from different sources. Waste water treatment. Alternative methods of metal extraction. Life cycle Assessment and recycling. Ways of reducing the use of resources. Corrosion and its prevention (triple only). Alloys as a useful material (triple only). Ceramic, polymers and composites (triple only). Haber process (triple only). Production and use of NPK fertilizer (triple only).</p> <p><u>Hydrocarbons</u></p> <p>Crude oil, hydrocarbons and alkanes. Fractional distillation and petrochemicals. Properties of hydrocarbons. Combustion. Cracking and alkenes. Structure and formulae of alkenes (triple only). Reactions of alkenes (triple only). Alcohols (triple only). Carboxylic acids (triple only). Addition polymerization (triple only). Condensation polymerization (triple only).</p>	<p>P2 Revision C2 Revision B2 Revision P1 Revision</p>	<p>C1 Revision B1 Revision B1 and C1 Revision</p>	<p>October Half Term Holiday</p> <p>February Half Term Holiday</p> <p>Whitsun Half Term Holiday</p>

	<p>germinating seeds (triple only). Other plant hormones.</p> <p>Electromagnetism</p> <p>Magnetism and magnetic forces. Compasses and magnetic fields. The magnetic effect of a solenoid. Electromagnets in action. Calculating the force on a conductor. Electric motors. Loudspeakers. The generator effect (triple only). Transformers (triple only).</p> <p>Rate and extent of chemical change</p> <p>Measuring rates. Limiting reactants and molar masses. Calculating rates. Factors affecting rates. Required practical: Investigating effect of concentration on the rate of reaction in sodium thiosulfate. Factors increasing the rate of a reaction. Collision theory. Catalyst.</p>		<p>Genetic engineering. Genetically modified crops The ethics of genetic modification. Cloning (triple only). The tree of life. Extinction.</p> <p>Forces</p> <p>Forces Speed Acceleration Velocity-time graphs Calculations of motion. Weight, gravity and mass. Forces and motion. Resultant forces. Forces and acceleration. Required practical: Investigating the acceleration of an object. Newton's third law. Momentum. Keeping safe on the road. Moments (triple only). Lever and pressure (triple only). Pressure in a fluid (triple only). Atmospheric pressure (triple only). Forces and energy in springs. Required practical: Investigate the relationship between force and the extension in a spring.</p>	<p>Amino acids (triple only). DNA and other naturally occurring polymers. Intermolecular forces.</p> <p>Ecology</p>						
Core PE	<p>Rotation of 3 different sports offered:</p> <ul style="list-style-type: none"> - Football - Fitness - Dodgeball 		<p>Rotation of 3 different sports offered:</p> <ul style="list-style-type: none"> - Football - Basketball - Table tennis 	<p>Rotation of 3 different sports offered:</p> <ul style="list-style-type: none"> - Handball - Fitness - Basketball 		<p>Rotation of 3 different sports offered:</p> <ul style="list-style-type: none"> - Football - Netball - Table tennis 	<p>Rotation of 3 different sports offered:</p> <ul style="list-style-type: none"> - Football - Fitness - Athletics 			n/a
OCR Cambridge National SPORT STUDIES	<p>R056 Outdoor Activities LO1 – Know about different types of outdoor activities and their provision LO2 – Understand the value of participating in outdoor activities LO3 - Be able to plan an outdoor activity LO4 - Be able to demonstrate knowledge and skills during outdoor activities</p> <p>Orienteering Task in Peckham</p>		<p>R053 - Leadership in Sport LO1 - Know the personal qualities, styles, roles and responsibilities associated with effective sports leadership LO2 - Be able to plan sports activity sessions LO3 – Be able to deliver a sports activity session LO4 – Be able to evaluate own performance in delivering a session</p>	<p>R052 Catch Up Complete written work for Developing Skills.</p>		<p>All outstanding work must be completed this half term.</p>				

	Rye Park for assessment.		Students will plan and deliver a coaching session at the Trinity Primary				
AQA GCSE PE	Paper 2 -Sport Psychology Classification of skills and Ability The use of goal setting in sport and SMART Targets Basic information processing model Types of Guidance Types Feedback Arousal and Inverted U theory and stress and management techniques Double Practical Single Theory Coursework		Paper 1 – recap and revision in prep for PPE. Paper 2 Sport psychology Aggression Personality types Motivation Double Theory Single Practical	Paper 2 – Socio Cultural Influences Engagement Patterns – Social Groups and trends of participation Barriers to Participation in Sport Commercialisation and Golden Triangle, Sponsorship and Media Ethical Issues – gamesmanship, etiquette, sportsmanship Technology in sport Performance Enhancing Drugs in Sport Spectator Behaviour in sport Double Theory Single Practical		Practical Assessment preparation Coursework Catch Up.	Practical Assessment Revision.
Triple Science	Genetics and variation Chemical Analysis Forces		Electromagnetism Rates of Reaction Ecology	Waves Hydrocarbons The atmosphere and sustainable development		P2 Revision C2 Revision B2 Revision P1 Revision	C1 Revision B1 Revision B1 and C1 Revision
French	Studio Edexcel GCSE 9-1 Higher Le grand large What you normally do on Holidays Grammar present tense Talking about holidays Grammar using present past past tenses Talk about a day in your holidays Grammar: using imperfect to tell stories Des vacances de rêve Grammar : using the conditional present Les hotels, mode d'emploi... Grammar using reflexive verbs in the perfect tense Weekly test 20 words/sentences to translate 1 st lesson from KO vocabulary (supported by memrise App for revision) HW: weekly vocabulary in KO + review of lesson (linguscope &		Studio Edexcel GCSE 9-1 Higher Au collège Révision school subjects Mon bahut Grammar : using pronouns 'il' or 'elle' L'école chez nous, l'école chez vous. Grammar using pronouns 'il' or 'elle' Liberte egalite fraternite? Grammar: using 'il faut' and 'il est interdit de' Vive la scolarité ! Asking questions in the tu and vous forms En échange ! Using present, past and future timeframes Weekly test 20 words/sentences to translate 1 st lesson from KO vocabulary (supported by memrise App for revision)	Studio Edexcel GCSE 9-1 Higher Bon travail Quelle orientation t'attire ? Saying better/worse and the best Il faut que je fasse ca ! Grammar : understanding subjunctive Les langues sont un atout Grammar using adverbs Je voudrais postuler ? Grammar: using 'direct object in the perfect tense Mon boulot dans le tourisme Grammar : using verb followed by a or de Weekly test 20 words/sentences to translate 1 st lesson from KO vocabulary (supported by memrise App for revision) HW: weekly vocabulary in KO + review of lesson (linguscope &		Studio Edexcel GCSE 9-1 Higher Un oeil sur le monde Notre planète ! Making connections between word types Protéger l'environnement Grammar : using modal verbs pouvoir and devoir in the conditional tense D'où vient ton t-shirt ? Grammar : using passive Je suis solidaire Grammar: using indirect object pronouns Les grands évènements Giving arguments for and against Weekly test 20 words/sentences to translate 1 st lesson from KO vocabulary (supported by memrise App for revision) HW: weekly vocabulary in KO + review of lesson (linguscope & conti vocab sheet)	

	<p>conti vocab sheet)</p> <p>End of term Exam based on Studio Edexcel Higher Baseline Exam</p>	<p>HW: weekly vocabulary in KO + review of lesson (linguscope & conti vocab sheet)</p> <p>End of term Exam based on Studio Edexcel writing</p>	<p>conti vocab sheet)</p> <p>of term Exam based on Studio Edexcel writing</p>	<p>End of term Exam based on Studio Edexcel writing</p>		
Statistics	<p><i>Recap/revision</i></p> <p>Types of data Populations and sampling Sampling methods Planning and collecting data</p> <p>Statistical Enquiry cycle</p>	<p><i>Recap/revision</i></p> <p>Qualitative and discrete data Continuous data Tabulation</p> <p>Statistical Enquiry Cycle</p>	<p><i>Recap/revision</i></p> <p>Measures of central tendency Measures of dispersion Box plots, skewness and representing outliers</p> <p>Statistical Enquiry Cycle</p>	<p><i>Recap/revision</i></p> <p>Describe correlation by inspection, lines of best fit and SRCC Calculate moving averages, seasonal and cyclic trends Simple probability and theoretical probability</p> <p>Statistical Enquiry Cycle</p> <p>Higher tier only</p> <p>PMCC</p>	<p><i>Recap/revision</i></p> <p>Probability from two-way tables, sample space diagrams, tree diagrams and Venn diagrams Interpret index numbers in context and simple calculations</p> <p>Higher tier only</p> <p>Binomial distribution Normal distribution and standardised scores</p> <p>Quality assurance</p>	<p>Exam Practice</p> <p>Completion of Exam papers Identification of gaps in knowledge</p> <p>Intervention focused teaching</p>
Music Technology	<p>Sound Recording</p> <p>Learning and workshops on sound & recording equipment</p>	<p>Sound Recording</p> <p>Learning and workshops on recording live bands/instruments</p>	<p>Sound Recording</p> <p>Planning, organizing, rehearsing & recording own recording session</p>	<p>Sound Recording</p> <p>Recording & post-production work on recording session & evaluating work.</p>	<p>Improvements & completion of any outstanding coursework</p>	
Music GCSE	<p>Fusions: 'Release', Afro Celt Sound Systems</p> <p>Introduction to Fusions Study Set work according to the key musical features Identify features in listening & analyse their use, comparing this to similar pieces.</p> <p>Solo and Ensemble Performance</p> <p>Pupils refine solo piece in order to record final performance at Half Term. Choose and work on Ensemble performance.</p> <p>Composition to a Brief</p>	<p>Fusions: 'Samba Em Preludio', Esperanza Salding</p> <p>Study Set work according to the key musical features Identify features in listening & analyse their use, comparing this to similar pieces.</p> <p>Ensemble Performance</p> <p>Pupils refine ensemble piece in order to record final performance at Christmas.</p> <p>Composition to a Brief</p> <p>Development & completion of coursework component – composition to a brief</p>	<p>Revision of Set Works</p> <p>Review, recap & question on Set works studied.</p> <p>Clarify misconceptions.</p> <p>Coursework</p> <p>Make improvements to compositions or re-record performances, as appropriate/necessary.</p>	<p>Revision of Set Works</p> <p>Review, recap & question on Set works studied.</p> <p>Exam Practice</p> <p>Completion of Exam papers Identification of gaps in knowledge</p> <p>Intervention focused teaching</p>	<p>Exam Practice</p> <p>Completion of Exam papers Identification of gaps in knowledge</p> <p>Intervention focused teaching</p>	

	Introduction to coursework component – composition to a brief – explore 4 set briefs release. Analysis of compositional skills & identification of preference of compositional brief Initial exploration and developing of musical ideas for composition coursework.		Developing of musical ideas and extending pieces either through contrasting sections or addition of layers.						
Art Craft & Design	Research the work of Artist Jane Laurence Complete an academic analysis of one of her pieces Compile visual material to suit the chosen theme Use the visual material to complete a response to the work of Janet Laurence Complete a personal plan for developing an outcome		Complete a personal outcome in a mock exam Prepare and practice exam outcome Analyse exam outcome	ART EXAM Curriculum will be developed to suit the exam published in Jan. Stage 1: Research artists to respond to exam title Stage 2: Develop media experiments in response to artists researched Stage 3: Collect primary visual research		ART EXAM. Stage 4: Develop and refine outcome Stage 5: Complete a Mock Outcome Complete the 10 hour timed component.			
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Technical Engineering	Design and make activity - synoptic project MOCK Tower Crane Hand drawing. CAD drawing CAM Laser cutting Six cylinder hydraulics Learning Journal Completion Testing Evaluation		Design and make activity - synoptic project ACTUAL Tower Crane Learning Journal Completion Testing Evaluation	Design and make activity - synoptic project ACTUAL TBC Hand drawing. CAD drawing CAM Laser cutting Six cylinder hydraulics Learning Journal Completion Testing Evaluation		Design and make activity - synoptic project ACTUAL Tower Crane Learning Journal Completion Testing Evaluation			
Drama	Double Lesson AQA Component 2: Devising Completion of devising logs Fertile Question Can you analyse and evaluate your final performance in your devising log? Single Lesson	Double Lesson AQA Component 3: Text in Practice Fertile Question Can you produce a performance from script which successfully realises artistic intention during a live examination performance? Content	AQA Component 3: Text in Practice final exam examiner Start of January AQA Component 1: Understanding Drama Fertile Question Can you demonstrate knowledge and understanding of drama and theatre? (multiple choice) Can you successfully answer	Theatre trip to see a Live performance Component 1 Section C AQA Component 1: Understanding Drama Fertile Question Can you analyse and evaluate the work of live theatre makers? Content Context (Historical, political, social and cultural)	AQA Component 1 Fertile Question Can you write responses to examination style questions that meet the exam board criteria for both the Section A, Section B and Section C? Content Revision of all aspects of AQA Component 1				
							Whitsun Half Term Holiday		
									AQA Component 1 Summer Examination 

<p>AQA Component 3: Text in Practice</p> <p>Fertile Question Can you produce a performance from script which successfully realises artistic intention during a live examination performance?</p> <p>Content Prepare a duologue/trio performance from script. Identify specific artistic intentions indicates how you aim to express artistic intention realises the artistic intention during live performance Playwright's intentions Character motivation</p> <p>Assessment: Scripted Performance</p>	<p>Prepare a duologue/trio performance from script. Identify specific artistic intentions indicates how you aim to express artistic intention realises the artistic intention during live performance Playwright's intentions Character motivation</p> <p>Assessment: Scripted Performance</p> <p>Singe Lesson AQA Component 1: Understanding Drama</p> <p>Fertile Question Can you produce a project which explores, analyses and experiments with theatrical conventions, roles in the theatre and artistic intentions in <i>'The Crucible'</i></p> <p>Content Director's Intention Actors Interpretation Lighting Design Sound Design (Props) Staging Design Costume Hair & Make-up Design Context/Script analysis Theme exploration</p> <p>Assessment: PPE Mock Exam</p>	<p>examination style questions based on the set text 'The Crucible'?</p> <p>Content Section A: Multiple Choice Questions on technical aspects of theatre and roles in the theatre</p> <p>Section B: Set Text Set text and roles in theatre</p> <p>Assessment Mock Examination Section A and Section B</p>		<p>Character analysis Characterisation to realise intention Sound Design Lighting Design Costume, hair and makeup Design Staging and props Design</p> <p>Assessment PPE – Mock Examination Section A, Section B and Section C</p>	<p>Theatre Roles Playwright Director Performer Understudy Technician Stage manager</p> <p>Performance Skills Voice Movement Levels Proxemics</p> <p>Staging Revision Theatre In the Round Thrust Staging End on Staging Traverse Staging Arena Staging Promenade Theatre</p> <p>Technical Theatre in a Set Text Sound Design Lighting Design Costume, hair and makeup Design Staging and props Design</p> <p>Technical Theatre and Performance Skills in a Live Performance Context (Historical, political, social and cultural) Character analysis Characterisation to realise intention Sound Design Lighting Design Costume, hair and makeup Design Staging and props Design</p> <p>Assessment: End of Year PPE</p>	<p>Assessment: Summer Examination set by the exam board.</p>
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