Year 10 Curriculum

Subject	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
CORE CURRICULUM						
English Language and English Literature (2 GCSES)	An Inspector Calls – Exploring Priestley's play.	Reading fiction texts – paper 1	Comparative writing – Power and Conflict poems	Comparative writing – Power and Conflict poems	Macbeth – Exploring Shakespeare's play	Writing for Purpose – Paper 2 writing skills
Maths A Set	Calculating Presentation of data Algebraic Proficiency: Tinkering	Solving equations and inequalities Proportional Reasoning Mathematical Movement	Calculating space Conjecturing	Exploring fractions, decimals and percentages Solving equations & inequalities	Algebraic Proficiency: Visualising	Pattern sniffing Analysing Statistics Understanding Risk
Maths B Set	Calculating Visualising and Constructing	Algebriac Proficiency Proportional Reasoning	Pattern Sniffing Solving Equations and Inequalities	Calculating Space Investigating Properties of Shapes	Algebraic Proficiency	Solving Equations and Inequalities Understanding Risk
Maths C Set	Numbers and Numbers System Calcuating Understanding Risk	Visualising and Constructing Algebraic Proficiency Pattern Sniffing	Proportional Reasoning Investigating Angles Exploring Fractions and Decimals	Calculating Fractions, Decimals and Percentages, Solving Equations and Inequalities	Calculating Space Presentation of Data Measuring Data	Algebraic Proficiency-Visualing Understanding Risk
Biology	Reproduction/meiosis	Health and Disease	Plant Defences	Photosynthesis	Hormones	Homeostasis
Chemistry	Quantitative analysis, Electrolysis and Obtaining and Using metals	Electrolysis, Obtaining and Using metals And Groups in the Periodic table	Rates of Reaction and Reversible reactions and equilibrium	Fuel cells and hydrocarbons	Fuel cells and hydrocarbons; Earth and Atmospheric Science	Qualitative analysis
Physics	Radioactivity	Astronomy	Electricity	Static Electricity	Electomagnetic Induction and Particle Model	Forces and Matter

Moral and Philosophical Studies	Human Rights and the UN	Families, marriage and relationships	Sexual health, contraception/STIs	Individual project and presentation	Money and wealth	Fringe religious groups
PE All PE sessions are practical sessions underpinned by a termly theoretical element.	Fitness	Components of fitness & Training	Skeletal System	Health, fitness & well being	CV & Respiratory	Sport Psychology
OPTION SUBJECTS						
BTEC Engineering	Introduction to BTEC Engineering:	Examined Unit 1 Theory: Engineering Materials		Controlled assessment Unit 6 Theory: Computer Aided Design		Controlled assessment Unit 5 Theory: properties of common engineering materials
GCSE Spanish	Local area, holiday, travel	School	Identity and culture		Local Area, holiday and Travel.	
GCSE Design Technology	Theory input: Influential Designers; Material properties, Systems approach (electronics), Design process	Theory input: CAD, CAM, Tolerances, Energy production and storage	Theory input: Mechanical systems, Materials selection, New and emerging technologies	Practice NEA task: Students will use knowledge gained to satisfy a set design task.	Practice NEA task: Presentation drawing and modelling of final solution	Practice NEA task: Manufacture and evaluation of final product.
GCSE Food Prep and Nutrition	Practical Skills:Weighing and measuring; Selecting and adjusting cooking times; Testing food for readiness; Knife skills for preparing fruit, veg, and meats Theory topics: Eatwell plate; Fruit and vegetables; Sensory evaluation	Practical Skills: Sauce making (starch based, reduction, emulsion) Theory topics; Proteins Gluten formation; HBV & LBV; Coagulation	Practical Skills: Preparing, combining and shaping (burgers, fish cakes, etc.); Tenderising meats Theory topics: Foam formation; Denaturation	Practical Skills: Raising agents (Chemical, biological, physical), Shortening Dough Theory topics: Carbohydrates Dextrinisation, Gelatinisation, Caramelisation	Practical Skills: recapped/reinforced and developed throughout the remaining terms during a practice NEA 2 project Theory topics: Food provenance; Environmental issues; Economies; Food production; Vitamins and minerals	Theory topics: International cuisine British cuisine Buying and storing food Food spoilage, microorganisms, enzymes
GCSE Geography	Dynamic Development. .	Dynamic Development.	Sustaining Ecosystems (Rainforests)	Distinctive landscapes.	Urban futures	Urban Futures continued and Geographical Exploration.
GCSE History	Crime and Punishment	The reigns of King Richard I and King John, 1189-1216	Superpower relations and the Cold War, 1941-91	Weimar and Nazi Germany 1918-39	Revision	

GCSE Philosophy and Ethics	Hinduism Relationships and Families Christianity War, Peace and Justice	Hinduism Relationships and Families Christianity War, Peace and Justice	Hinduism Relationships and Families Christianity War, Peace and Justice	Hinduism Relationships and Families Christianity War, Peace and Justice	Hinduism Relationships and Families Christianity War, Peace and Justice	Hinduism Relationships and Families Christianity War, Peace and Justice
Dance	Solo Training	Component 2: Developing Skills and Techniques in the Performing Arts		Musical Theatre Skills Development	Composition Advancement	Exploring the Performing Arts
Drama	Unit 1 Devising Drama					Unit 2 – Presenting & Performing Texts
BTEC Music	Introduction to the Music Industry					Managing a Musical Product
GCSE PE	Components of fitness	Identification & treatment of injuries, Performance enhancing drugs , Muscular System	Skeletal System Lever systems Movement possibilities at joints dependent on joint classification +examples Joint Classification Planes and Axes	CV System - Function - Structure - Shunting - Blood Importance	Respiratory System - Location - Structure - Aerobic/Anaerobic - Energy Sources	Forms of practice – theory and practical application
Cambridge National Sport	Sports Leadership	Continuation of Sports Leadership	Evaluation of Session	Developing Sport Skills Practical Module	Continuation of Developing Sport Skills	Sport in the Outdoors
Business Studies	Enterprise and Marketing Concepts	Design a Business Proposal			Pitch a Marketing Proposal	
Art	Students will complete a portfolio of work following 4 assessment objectives: • Develop their ideas through investigations informed by contextual and other sources demonstrating analytical and cultural understanding. • Refine their ideas through experimenting and selecting appropriate resources, media, materials, techniques and processes. • Record ideas, observations and insights relevant to their intensions in visual and/or other forms. • Present a personal, informed and meaningful response demonstrating analytical and critical understanding, realising intentions and where appropriate, making connections between visual, written or other elements.				Controlled Assessment Unit 2 Students will start their second unit which will be continued into year 11 following the same assessment objectives as Unit 1. Students will also explore the work of new artists and work in a discipline that works to their strengths.	
Health and Social Care	Human Rights	Learning about the Rights of Individuals	Communication skills			Body Systems and Disorders

		And how to maintain those rights				
Computer Science	Computer Systems • System architecture • Memory • Storage	Computational thinking, algorithms • Algorithms • Programing techniques	Computer Systems • Wired and wireless networks • Networks, topologies, protocols and layers • System security	Computational thinking, algorithms • Producing robust programs • Computational logic	Computer Systems • System Software Ethical, legal, cultural and environmental concerns	Computational thinking, algorithms • Translators and facilities of languages • Data Representation
Cambridge Nationals ICT	Using ICT to create Business Solutions	Handling Data using Databases		Understanding Computer Systems		