

Year 10 Curriculum Content Overview 2021-22

Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Art	Natural Forms	Natural Forms	Natural Forms	Telling Stories	Telling Stories	Telling Stories
Business	Human resources	Human resources	Marketing	Marketing	Finance	Finance
Biology	Infection and response	Bioenergetics	The Nervous System	Endocrine system and hormones	Organisms and their environment	Human impacts on the environment Biomass, Food and Biotechnology
Chemistry	Quantitative Chemistry	Quantitative Chemistry	Chemical Changes	Chemical changes	Energy Changes	Exam preparation
Chinese	Jobs	My ambition	Travel & Tourism	Customs & Occasions	Media	MEP exam
Computer Science	Is there anything more important than a CPU in a computer? - System architecture - Networks - Programming techniques - Algorithmic thinking strategies	What do we know about bits and bytes? - Memory and storage - Units of data - Data representation - Binary and hexadecimal	How do we create networks and share data? - Network topologies - Hardware for networks - Protocols - Programming: data types and structures	What is the difference between the internet and the WWW? - Types of servers - Operating systems - Logic gates - Truth tables	Is it safe to operate online? - Threats and preventative measures for computer systems and networks - Programming project NEA	Can you create a robust programme to solve a given problem? - Success criteria - Flow charts - Testing - Creating programs - Data management
Creative Media	R082: Digital Graphics. LO1 & LO2: Designing and	R082: Digital Graphics. LO3 & LO4: Creating a vinyl	RO81: Pre-production Sound	R085: Creating a Multipage Website LO1 & LO2:	R085: Creating a Multipage Website LO3 & LO4: Preparing assets	R081: Exam - revision and preparation. R085 / R082: Final reviews

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	planning a vinyl album cover.	album cover and review.	Market research	Investigating websites and planning a design	and creating a website	R091: Game Design
Design & Technology	Sling Puck (Wooden Board Game) - Digital design skills. - Commercial Logo design. - Wood processes and joining techniques - Technical drawing methods. - Product testing and evaluation.	Sling Puck (Wooden Board Game) - Digital design skills. - Commercial Logo design. - Wood processes and joining techniques - Technical drawing methods. - Product testing and evaluation.	Night Light - Design movements and design history. - Product modelling. - Combining dissimilar materials. - Target market research.	Night Light - Design movements and design history. - Product modelling. - Combining dissimilar materials. - Target market research.	Bling Bling (Jewellery) - Ferrous, non-ferrous metals and alloys. - Creating and using natural and man-made casting moulds. - Casting metals. - Jewellery design.	GSCE Coursework - Design challenge research. - Mind-map chosen challenge. - Research possible products.
Drama	Practioners	Practioners: Component 1 stimulus introduced	Component 1	Component 1 Exam and Coursework 1500-200 words	Component 1 coursework DNA set text	DNA set text
English	An Inspector Calls Language paper 2	An Inspector Calls Language paper 2	Macbeth	Unseen poetry Language Paper 1	Jekyll and Hyde	Spoken Language
Food	Different types of pastry	Mock NEA 2 – typing up the portfolio and taking part in a 3-hour practical exam	Dairy foods	Fish	Carbohydrates – an interesting family of chemicals	End-of-year mock written examination: prepare to take it using study strategies that work; take it: evaluate one's own performance.

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French	Social media & Technology	Social media & Technology	Customs & Occasions	Celebrated Customs - Marriage	Education, Further Study & Jobs	Education, Further Study & Jobs
Geography	Weather, climate and ecosystems	Weather, climate and ecosystems	Environmental challenges	Environmental challenges	Applied fieldwork enquiry	Applied fieldwork enquiry
German	Social media & Technology	Social media & Technology	Customs & Occasions	Celebrated Customs - Marriage	Education, Further Study & Jobs	Education, Further Study & Jobs
History	Crime and Punishment in Britain in the Medieval and Early Modern periods.	Crime and Punishment in the Industrial period and 20 th Century	The origins of the Cold War and it's events.	The development of the Cold War	Why did the Cold War end? Whitechapel murders sources investigation	Whitechapel murders sources investigation
Maths Foundation	• Writing Ratios • Ratios • Conversions using ratios • Problem solving with ratios • Proportion Graphs • Problem solving Proportion • Co-ordinates • Linear Graphs	• Real Life Graphs • Distance Time Graphs • Translation • Reflection • Rotation • Enlargement • Describing Enlargements • Combining Transformations	• Pythagoras Theorem • Trigonometry • Calculating Probability • Two way tables • Sample space diagrams • Experimental Probability	• Venn Diagrams • Probability Trees • Percentages • Growth and Decay • Compound Measures • Distance, Speed and Time	• Non Linear Graphs • Simultaneous Equations • Rearranging formula • Proof • Expanding double brackets	• Factorising Quadratic Expressions • Solving quadratic Equations • Circumference and area of circles • Semi Circles and Sectors • Cylinders • Pyramids and Cones • Spheres
Maths Higher	• Solving Quadratic Equations • Completing the Square	• Sine Rule • $1/2ab\sin C$ • Cosine Rule • 3D Pythagoras	• Solving simultaneous equations graphically	• Rearranging Formulae • Simplifying algebraic Fractions	• Similarity and Congruence • Geometric Proof • Similarity in 3D	• Sampling • Cumulative Frequency • Box Plots • Histograms

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	- Simultaneous Equations - Quadratic Simultaneous Equations - Solving Linear inequalities - Trigonometry - Trigometric Graphs	- Transformations of Trig Graphs - Growth and Decay - Compound measures - Ratio and Proportion	- Graphical Inequalities - Graphs of Quadratic Functions - Solving Quadratic Equations - Graphically - Graphs of Cubic Functions - Circle Theorems	- Solving algebraic Fractions - Surds - Functions - Proof		Comparing Populations
Music	Area of Study 4: Film and Computer Game Music. Performance Coursework	Area of Study 4: Film and Computer Game Music. Performance Coursework	Area of Study 5: Popular Song since 1950 Composition Coursework	Area of Study 5: Popular Song since 1950 Composition Coursework	Area of Study 3: Rhythms of the World Group Performance Coursework	Area of Study 3: Rhythms of the World Group Performance Coursework
PHSE	Mental health Mental health and ill health, stigma, safeguarding health, including during periods of transition or change Exam stress	Healthy relationships Relationships and sex expectations, myths, pleasure and challenges, including the impact of the media and pornography	Financial decision making The impact of financial decisions, debt, gambling and the impact of advertising on financial choices	Exploring influence Life after school The influence and impact of drugs, gangs, role models and the media	Life after school Preparation for life after school, including college and other post-16 options, discussion and evaluation of work encounters and readiness for work	Addressing extremism and radicalisation Communities, belonging and challenging extremism
Philosophy & Religious Education	The Holocaust: an interdisciplinary approach	The Holocaust: an interdisciplinary approach	Ethics: Theories of ethics	Ethics and Business Ethics and Technology	Key cultural concepts Race, gender, class	Key cultural concepts

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		(continued)	Ethics and Food, Ethics and Sport	Genetics/AI		Empire and decolonisation Rights Equality
Photography	Combining Images	Combining Images	Combining Images	Settings and Location	Settings and Location	Settings and Location
Physical Education (Core)	HRE / Rugby / Dance / Netball / Basketball	HRE / Rugby / Dance / Netball / Basketball	Football / Table Tennis / Badminton / Futsal / Volleyball	Football / Table Tennis / Badminton / Futsal / Volleyball	Striking and Fielding /Athletics / Tennis / Volleyball	Striking and Fielding /Athletics / Tennis / Volleyball
Physical Education (GCSE)	Revisit Skeletal and Muscular systems, Respiratory System	Cardiovascular system	Energy systems, Recovery from Exercise, Short and Long Term Effects of Exercise	Levers, Planes and Axes, Recap Health, Fitness and Training, Written Coursework	Written Coursework, Paper One revision	Revisit Paper One, Year 10 assessment, Sports Psychology, written coursework
Physics	The Particle Model	Atomic Structure (radioactivity)	Atomic Structure (radioactivity)	Forces	Forces in motion	Paper 1 consolidation
Religious Studies	Crime and Punishment	Islam Practices	Islam Practices Human Rights and Social Justice	Human Rights and Social Justice	Christian practices	Christian practices Review
Science Dependent on rotation	Organisation Bonding, structure and properties of matter	Organisation Bonding, structure and properties of matter	Electricity Chemical Changes	Electricity Energy changes	Infection and response Particle model	Bioenergetics Homeostasis Atomic structure
Spanish	Social media & Technology	Social media & Technology	Customs & Occasions	Celebrated Customs - Marriage	Education, Further Study & Jobs	Education, Further Study & Jobs