

Year 10 Curriculum Content Overview

Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Art	<p>Places and Spaces</p> <p>Intro into Places and Space with Series of Skills building tasks and artist research exploring how landscapes, cityscapes, interiors and exteriors have all been responded to by artists over history of society and how we perceive the world around us.</p>	<p>Places and Spaces</p> <p>Further development of Natural Forms Artists.</p> <p>-Developing outcomes with media experiments refining and reflecting on outcomes in the sketchbook and artwork.</p>	<p>Places and Spaces</p> <p>Development of Final ideas by reflecting on media experimentation and consolidating outcomes towards an independent final piece responding to Places and Spaces</p>	<p>Telling Stories</p> <p>-Intro into Telling Stories</p> <p>This project aims to begin developing more independent thinking and choices creating a bridge between the sketchbook work of Year 9 and 10 with the independent decision making that entails much of Year 11. Students will begin by responding to a number of artists of their own choice which explore stories, narratives and semiotics in their works.</p>	<p>Telling Stories</p> <p>Further development of Telling Stories Artists.</p> <p>Developing outcomes with media experiments refining and reflecting on outcomes in the sketchbook and artwork.</p>	<p>Telling Stories</p> <p>Development of Final ideas by reflecting on media experimentation and consolidating outcomes towards an independent final piece responding to Telling Stories.</p>
Business	Human resources 18-19	Human resources 20-21	Marketing 22-24	Marketing 25-26	Finance 27- 29	Finance 30-31
Biology	Infection and response	Bioenergetics	The Nervous System	Endocrine system and hormones	Organisms and their environment	<p>Human impacts on the environment</p> <p>Biomass, Food and Biotechnology</p>

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Chemistry	Paper 1: Quantitative Chemistry	Paper 1: Chemical Changes	Paper 1 Review and practice	Paper 2: Using Resources	Paper 2: Rate and Extent of Chemical Change	Paper 2: Chemical Analysis
Chinese	Topic 1: About fast food	Topic 2: Unhealthy drinks and tips for good health	Topic 3: Jobs and the world of work	Topic 4: My ambition & family support	Topic 5: My preferred transportation for my ideal holiday destination	Topic 6: Holiday activities MEP exam
Computer Science	Is there anything more important than a CPU in a computer? <ul style="list-style-type: none">• System architecture• Networks• Programming techniques• Algorithmic thinking strategies	What do we know about bits and bytes? <ul style="list-style-type: none">• Memory and storage• Units of data• Data representation• Binary and hexadecimal• Programming Fundamentals• Writing code• Solving problems algorithmically	How do we create networks and share data? <ul style="list-style-type: none">• Network topologies• Hardware for networks• Protocols• Programming Fundamentals	What are the threats to security? <ul style="list-style-type: none">• Network security• Risks & Preventative measures• Programming languages• IDEs• Producing Robust Programs	What is software ? And Logic <ul style="list-style-type: none">• System software• Boolean Logic• Translators and Facilities• Testing & Test Tables• Flow charts	Can you create a robust programme to solve a given problem? Long answer question practise. NEA <ul style="list-style-type: none">• Success criteria• Flow charts• Testing• Creating programs• Data management
Creative Media	R094: Coursework 1 Unit: Graphics TA1 & TA2 <ul style="list-style-type: none">• Planning and preparing a digital graphic to respond to a given brief	R094: Coursework 1 Unit: Graphics TA1 & TA2 <ul style="list-style-type: none">• Evidencing the development progress.• Considering target audience and purpose	R094: Coursework 1 Unit: Graphics Completing the first coursework unit. Submission preparations	R093 – The Media Industry <ul style="list-style-type: none">• Legal issues• Health & Safety• Pre-production long answer exam style questions	R093 – The Media Industry <ul style="list-style-type: none">• Job roles & responsibilities R099• Game making mini project. The Platformer Project• Key terminology	End of year review: <ul style="list-style-type: none">• Assessment• Walking talking R093 Sample paper• End of year test• R099 Assignment

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					<ul style="list-style-type: none"> • Game Development Documentation • Testing • Reviewing 	Brief – initial ideas generation
Design & Technology	<p>Mock Coursework: Memphis Lamp</p> <ul style="list-style-type: none"> • Design movements and design history. • Product modelling. • Combining dissimilar materials. • Target market research. • Soldering. • Circuit boards. 	<p>Mock Coursework: Memphis Lamp</p> <ul style="list-style-type: none"> • Design movements and design history. • Product modelling. • Combining dissimilar materials. • Target market research. • Soldering. • Circuit boards. 	<p>Mock Coursework: Memphis Lamp</p> <ul style="list-style-type: none"> • Design movements and design history. • Product modelling. • Combining dissimilar materials. • Target market research. • Soldering. • Circuit boards. 	<p>Bling Bling (Jewellery)</p> <ul style="list-style-type: none"> • Ferrous, non-ferrous metals and alloys. • Creating and using natural and man-made casting moulds. • Casting metals. • Jewellery design. 	<p>Bling Bling (Jewellery)</p> <ul style="list-style-type: none"> • Ferrous, non-ferrous metals and alloys. • Creating and using natural and man-made casting moulds. • Casting metals. • Jewellery design. 	<p>GSCE Coursework (NEA)</p> <ul style="list-style-type: none"> • Design challenge research. • Mind-map chosen challenge. • Research possible products. • Design Brief & Specification. • Initial design ideas.
Drama	<p>Practitioners: Artaud, Brecht</p> <p>Theatre styles</p> <p>Physical theatre development</p> <p>Component 1 introduction</p> <p>question 1</p>	<p>Component 1 Development and refinement of work</p> <p>Coursework questions 1-2</p>	<p>Component 1 refinement</p> <p>question 3 and 4</p>	<p>Component 1 Exam question 5 & 6</p> <p>Coursework 1500-2000 words</p>	<p>Component 1 coursework 2nd draft</p> <p>DNA set text</p> <p>Live Theatre visit</p>	<p>DNA set text revision and essay structure</p> <p>Stanislavski and introduction</p> <p>Component 2 extracts</p>
English	<p>AQA GCSE English Literature – Modern Text: An Inspector Calls by J.B. Priestley</p> <p>AQA GCSE English Language paper 1 – question 5 (opening to a story and description based on an image)</p>	<p>Revision and consolidation:</p> <ul style="list-style-type: none"> • An Inspector Calls 	<p>AQA GCE English Literature Shakespeare: Macbeth</p> <p>AQA GCSE English Literature Poetry: Love and Relationship poems</p>		<p>Revision and consolidation:</p> <ul style="list-style-type: none"> • Macbeth 	

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	<p>AQA GCSE English Literature Poetry: Love and Relationship poems and Unseen Poetry</p> <p>AQA GCSE English Language paper 2 – question 5 (transactional writing linked to Anthology poetry)</p>	<ul style="list-style-type: none"> Love and Relationships poetry <p>Essay writing skills, including comparative writing skills.</p> <p>AQA GCSE English Language paper 2 – reading and analysis skills.</p>	<p>AQA GCSE English Language paper 1 – question 5 (opening to a story and description based on an image)</p>			<ul style="list-style-type: none"> Love and Relationships poetry <p>AQA GCSE English Language Writing skills: focus on SPaG and vocabulary.</p>
Food	<p>Different types of pastry lessons in which the students will carry out short focused practical and written activities that support their growing knowledge of pastry including an experiment. The final lesson in this strand includes a short written test and more help on selecting dishes. Year 10 mock candidates will type up their research, justification for dishes, costings and time plan. They will</p>	<p>Mock NEA 2 . Individual interviews with the teacher to discuss and perfect their ideas for the NEA task 2 (the food preparation task). Candidates were given the brief in mid-October. The rest of the class will be working through paper and digital activities. 2. Sensory analysis – setting up a tasting panel and displaying the results. 3. How to make a time plan (training) + Specific dietary requirements</p>	<p>Dairy foods</p> <ul style="list-style-type: none"> Tasting a range of British cheeses (not from the supermarket as they all taste the same) Tasting a range of European cheeses Making yoghurt; cheese; butter and clarified butter (all demonstrations as these topics do not lend themselves to individual work - they are mainly waiting!) Tasting other milk – non-homogenised cow's milk, camel milk, goat's milk 	<p>Fish</p> <ul style="list-style-type: none"> Classification (oily/ round white/ flat white/ molluscs/crustaceans) Testing for freshness Cooking methods for fish & fish cuts Menu planning using fish and shellfish Commercial fishing methods and sustainability Fish farming pros and cons. Preservation methods & fish as a high risk food The nutritional value of fish The classification of FATS. The 	<p>Carbohydrates – an interesting family of chemicals. lessons covering the knowledge about CARBOHYDRATES that students need at GCSE level. AFTER THE HALF TERM BREAK THERE WILL BE A FORMAL WRITTEN TEST ON THIS CONTENT (including spellings)</p> <p>The chemical structure of carbohydrates (including 6 sugars, 2 starches and 2 kinds of fibre)</p> <p>The digestion of carbohydrates</p> <p>How</p>	<p>End-of-year mock written examination: prepare to take it using study strategies that work; take it:</p> <ol style="list-style-type: none"> 1st of 2 lesson preparing for the mock. Year 10 mock written exam Analyse one's own performance in the mock using the mark scheme

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	have the 3-hour practical segment of the NEA2 in this slot in December.	1. 4. Specific dietary requirements 2	and Jersey milk. · Using ghee in a simple dish. · Estimating the fat content of a range of dairy products · A demonstration using washing up liquid that milk contains fat.	classification of PROTEINS.	carbohydrates behave: gelatinisation, caramelisation Short and long-grain rice ratio of starches Main crop and new potatoes ratio of starches	
French	<u>UNIT 7 & 8:</u> Media, technology and celebrity culture	<u>UNIT 7 & 8:</u> Media, technology and celebrity culture	<u>UNIT 9:</u> Customs, festivals and celebrations (in the UK and TL country/ies)	<u>UNIT 10 & 11:</u> Education and work	<u>UNIT 10 & 11:</u> Education and work	<u>UNIT 10 & 11:</u> Education and work
Geography	Theme 5. Weather, climate and ecosystems	Theme 5. Weather, climate and ecosystems	Theme 6. Resource and development Issues	Theme 6. Resource and development Issues	Theme 8. Environmental challenges	Paper 3. Applied fieldwork enquiry
German	<u>UNIT 7 & 8:</u> Media, technology and celebrity culture	<u>UNIT 7 & 8:</u> Media, technology and celebrity culture	<u>UNIT 9:</u> Customs, festivals and celebrations (in the UK and TL country/ies)	<u>UNIT 10 & 11:</u> Education and work	<u>UNIT 10 & 11:</u> Education and work	<u>UNIT 10 & 11:</u> Education and work
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	<ul style="list-style-type: none"> • Writing Ratios • Ratios • Conversions using ratios • Problem solving with ratios 	<ul style="list-style-type: none"> • Real Life Graphs • Distance Time Graphs • Translation • Reflection • Rotation 	<ul style="list-style-type: none"> • Pythagoras Theorem • Trigonometry • Calculating Probability 	<ul style="list-style-type: none"> • Venn Diagrams • Probability Trees • Percentages • Growth and Decay 	<ul style="list-style-type: none"> • Non Linear Graphs • Simultaneous Equations • Rearranging formula 	<ul style="list-style-type: none"> • Factorising Quadratic Expressions • Solving quadratic Equations

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	<ul style="list-style-type: none"> • Proportion Graphs • Problem solving Proportion • Co-ordinates • Linear Graphs 	<ul style="list-style-type: none"> • Enlargement • Describing Enlargements • Combining Transformations 	<ul style="list-style-type: none"> • Two way tables • Sample space diagrams • Experimental Probability 	<ul style="list-style-type: none"> • Compound Measures • Distance, Speed and Time 	<ul style="list-style-type: none"> • Proof • Expanding double brackets 	<ul style="list-style-type: none"> • Circumference and area of circles • Semi Circles and Sectors • Cylinders • Pyramids and Cones • Spheres
Maths Higher	<ul style="list-style-type: none"> • Solving Quadratic Equations • Completing the Square • Simultaneous Equations • Quadratic Simultaneous Equations • Solving Linear inequalities • Trigonometry • Trigometric Graphs 	<ul style="list-style-type: none"> • Sine Rule • $1/2ab\sin C$ • Cosine Rule • 3D Pythagoras • Transformations of Trig Graphs • Growth and Decay • Compound measures • Ratio and Proportion 	<ul style="list-style-type: none"> • Solving simultaneous equations graphically • Graphical Inequalities • Graphs of Quadratic Functions • Solving Quadratic Equations • Graphically • Graphs of Cubic Functions • Circle Theorems 	<ul style="list-style-type: none"> • Rearranging Formulae • Simplifying algebraic Fractions • Solving algebraic Fractions • Surds • Functions • Proof 	<ul style="list-style-type: none"> • Similarity and Congruence • Geometric Proof • Similarity in 3D 	<ul style="list-style-type: none"> • Sampling • Cumulative Frequency • Box Plots • Histograms • Comparing Populations
Music	<u>Area of Study 2:</u> An Introduction to the concerto followed by the Baroque period.	<u>Area of Study 2:</u> The Classical period followed by the Romantic period. Solo/group composition work.	<u>Area of Study 4:</u> Horror film music Film music composition	<u>Area of Study 4:</u> Sci-fi film music Free composition GCSE coursework	<u>Area of Study 4:</u> Computer game music, followed by sad film music Free composition GCSE coursework	<u>Areas of Study 2-5:</u> Recap of all topics Free composition GCSE coursework

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	Solo/group composition work.					
PHSE	Mental health: Mental health, negative thinking, diet and exercise	Mental health projects Exploring influence: Vaping, drugs and alcohol	Exploring influence: Knives, Bystanding, upstanding and role models	Exploring influence: money and gambling Relationships: Relationship values and consent	Relationships: Pregnancy, relationships online, Pornography	Extremism & radicalisation: Valuing diversity, what is extremism and how are people drawn to extremism.
Philosophy & Religious Education	Peace and conflict: A study of different understandings of peace and war and the causes of war.	Peace and conflict: The just war theory and practice: e.g. Iraq war Terrorism and protest	Peace and conflict: a study in detail of Northern Ireland Origins of the conflict and the peace	Human Rights and Social justice: A study of rights- in UN and in law.	Human Rights and Social justice: prejudice and types of discrimination; gender, race and positive discrimination	Human Rights and Social justice: The uses and value of wealth, charity and exploitation of the poor- through low wages, lending, trafficking
Photography	Combining Images Learn about a range of photographers and artists who have combined images to create different outcomes.	Combining Images Learn about a range of digital editing techniques and processes to explore image making. Develop techniques and processes when editing images in a tactile way.	Combining Images Learn to analyse and reflect on work as it develops using specialist language. Learn how to make a personal and meaningful photographic response.	Settings and Location Learn about a range of photographers who have worked in specific locations, explored documentary photography, or taken landscape photographs.	Settings and location Learn how to take photographs and use natural light to benefit intentions. Learn to respond to a range of photographs and make connections.	Settings and location Learn to analyse and reflect on work as it develops using specialist language. Learn how to make a personal and meaningful photographic response.
Physical Education (Core)	HRE / Rugby / Dance / Netball / Basketball	HRE / Rugby / Dance / Netball / Basketball	Football / Table Tennis /	Football / Table Tennis / Badminton / Futsal / Volleyball	Striking and Fielding /Athletics / Tennis / Volleyball	Striking and Fielding /Athletics / Tennis / Volleyball

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			Badminton / Futsal / 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
Science	Physics Topic 3: Particle Model of Matter Biology Topic 3: Infection & Response	Chemistry Topic 4: Chemical Changes Chemistry Topic 5: Energy Changes	Biology Topic 4: Bioenergetics Physics Topic 4: Atomic Structure & Radiation	Chemistry Topic 3: Quantitative Chemistry Physics Topic 6: Waves	Chemistry Topic 6: Rate and Extent of Chemical Change Chemistry Topic 8: Chemical Analysis	Biology Topic 7: Ecology Physics Topic 7: Magnetism and Electromagnetism
Spanish	<u>UNIT 7 & 8:</u> Media, technology and celebrity culture	<u>UNIT 7 & 8:</u> Media, technology and celebrity culture	<u>UNIT 9:</u> Customs, festivals and celebrations (in the UK and TL country/ies)	<u>UNIT 10 & 11:</u> Education and work	<u>UNIT 10 & 11:</u> Education and work	<u>UNIT 10 & 11:</u> Education and work