

Year 10 Curriculum Overview 2020-21

Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Art	Topic(s): Human Nature AO1- Developing ideas in response to title Assessment: Formative	Topic(s): Human Nature – Sketching /Photoshop from the Urban Landscape AO1/2 Assessment: Formative	Topic(s): Human Nature – Acrylic Painting AO1/2 Assessment: Formative	Topic(s): Human Nature – Acrylic Painting AO1/2 Assessment: Formative	Topic(s): Human Nature – student-led AO2/3	Topic(s): Human Nature – student-led AO2/3 MOCK EXAM
Biology <i>Separate & Combined Sciences</i>	Topics ☑ B4 Organisation in animals and plants Assessment 1	☑ B5 Communicable diseases ☑ B6 Preventing and treating disease Assessment 2	☑ B7 Non-communicable diseases ☑ B8 Photosynthesis Assessment 3	☑ B9 Respiration ☑ B10 Human nervous system Assessment 4	☑ B11 Hormonal coordination ☑ B12 Homeostasis in action Assessment 5	☑ B12 Homeostasis in action Assessment 6 End of Year 10 exam
Chemistry <i>Separate & Combined Sciences</i>	☑ Review C1, C2, C3 ☑ C4 Chemical calculations Assessment 1	☑ C4 Chemical calculations ☑ C5 Chemical changes Assessment 2	☑ C6 Electrolysis ☑ C7 Energy changes Assessment 3	☑ C7 Energy changes ☑ C8 Rates and equilibrium Assessment 4	☑ C8 Rates and equilibrium ☑ C9 Crude oil and fuels Assessment 5	☑ C9 Crude oil and fuels Assessment 6 End of Year 10 exam
Computing	Topic(s): Systems Architecture Memory Programming Assessment: Test and working solutions to programming problems	Topic(s): Storage Wired and Wireless networks Programming Assessment: Test and working solutions to programming problems	Topic(s): Network Topologies, Protocols and Layers Systems Security Programming Assessment: Test and working solutions to	Topic(s): Systems Software Ethical, Legal, Cultural and Environmental concerns Programming Assessment: Test and working solutions to programming	Topic(s): Programming Project Assessment: Working solution to the programming project	Topic(s): Programming Project MOCK EXAM (OR Exemplar Assessments)

			programming problems	problems		
Design Technology	<p>Topic(s): Design and Technology Working to Contexts; Industry project 1 Students work towards solving a problem set by a company and complete the research and initial design section. Students learn to work from a context and identify a problem through guided practice.</p> <p>Theory content taught: Smart and Modern Materials in specialist area New and Emerging Technologies</p> <p>Assessment(s): Practice coursework based. Practice exam questions.</p>	<p>Topic(s): Design and Technology Iterative design process Students to complete a series of mini projects alongside industry links that allow them to identify investigating problems in design. Skills building</p> <p>Theory content taught: Sustainability and the industry Some core design areas Some core material properties and build of materials folder.</p> <p>Assessment(s): Formative feedback Practice exam questions</p>	<p>Topic(s): Design and Technology Company Context; Students will receive a brief from a company. They should independently consider work taught to effectively develop a project to meet the needs of the brief provided. Design and Make project to consolidate core technical skills and build in areas required.</p> <p>Theory Content taught: Design Principles Specialist Material Area continued Making principles-industry related processes. Choose From: Paper and Boards Textiles based products</p>	<p>Topic(s): Design and Technology Making Principles; Students to produce a skills folder to contribute to key manufacture skills in their given area.</p> <p>Theory content taught: Making Principles Gears/ Levers Mathematical content</p> <p>Assessment(s): Formative Practice exam questions</p>	<p>Topic(s): Design and Technology Revision for mock exam</p> <p>Assessment(s): Practice exam questions</p>	<p>Topic(s): Design and Technology NEA Contextual Challenge</p> <p>Assessment: Research Design Brief and Specification</p> <p>MOCK EXAM (OR Exemplar Assessments)</p>

			<p>Timber based products Metal Based products Polymers Electronics and mechanical systems Continuation of materials folder.</p> <p>Assessment(s): Final Project coursework. Overall company winner Practice exam questions</p>			
Design Technology & Food & Nutrition	<p>Topic(s): Fruit and vegetables -provenance -food safety -practical skills -food science -nutrition</p> <p>Assessment(s): End of unit assessed practical Food science experiment</p>	<p>Topic(s): Dairy -provenance -food safety -practical skills -food science -nutrition</p> <p>Assessment(s): End of unit assessed practical Food science experiment</p>	<p>Topic(s): Cereals -provenance -food safety -practical skills -food science -nutrition</p> <p>Assessment(s): End of unit assessed practical Food science experiment</p>	<p>Topic(s): Meat, fish and eggs -provenance -food safety -practical skills -food science -nutrition</p> <p>Assessment(s): End of unit assessed practical Food science experiment</p>	<p>Topic(s): Fats and sugars -provenance -food safety -practical skills -food science -nutrition</p> <p>Assessment(s): End of unit assessed practical Food science experiment</p>	<p>Topic(s): Alternative proteins -provenance -food safety -practical skills -food science -nutrition</p> <p>MOCK EXAM (OR Exemplar Assessments)</p>
Drama	<p>Topic(s): Devising-practice piece</p>	<p>Topic(s): Devising –practice piece Assessment(s): Practice piece</p>	<p>Topic(s): Introduction and exploration of stimulus material for component</p>	<p>Topic(s): Preparation and rehearsal for component one</p>	<p>Topic(s): Preparation and rehearsal for component one. Drafting process for</p>	<p>Topic(s): Final rehearsals and drafting for component one(practical and</p>

		assessed-feedback used to inform GCSE unit one Live Theatre Evaluation	one-devising		written exploration begins	written) Assessment GCSE Unit one completed and assessed. This is 40% of their actual GCSE.
English Language	Topic(s): fiction reading and writing Assessment(s): fiction reading Q1 and Q2	Topic(s): fiction reading and writing Assessment(s): fiction reading Q3 fiction writing	Topic(s): fiction reading and writing Assessment(s): fiction reading Q4	Topic(s): fiction reading and writing Assessment(s): fiction writing	Topic(s):spoken language preparation Assessment(s): spoken language fiction writing – autobiographical	Topic(s): Paper 2 Language exam
English Literature	Topic(s):Shakespeare Assessment(s):	Topic(s):Shakespeare Assessment(s): Shakespeare	Topic(s):Poetry Anthology Assessment(s):	Topic(s):Poetry Anthology Assessment(s): Poetry	Topic(s): Animal Farm Assessment(s): Animal Farm	Topic(s): GCSE Paper 2 exam
French	Topic(s):home town region Assessment(s): foundation reading and listening	Topic(s): home town region Assessment(s): GCSE foundation reading and listening practice	Topic(s): social issues, poverty, health, charity work Assessment(s): oral GCSE focus, role plays, photo cards	Topic(s): social issues, environment homelessness Assessment(s): writing practise GCSE higher	Topic(s): consolidation Assessment(s): higher GCSE papers – for practice and familiarisation 4 skills	Topic(s): consolidation topics from years 9/10 MOCK EXAM (OR Exemplar Assessments)

Geography	Topic(s):Development Assessment(s): Fieldwork	Topic(s): Development Assessment(s): EoT test	Topic(s): Urbanisation Assessment(s): EoT test	Topic(s): UK physical	Topic(s): Coasts Assessment(s): E o T test	Topic(s): UK human Landscapes Fieldwork write up – no exams
German	Topic(s):home town region Assessment(s): foundation reading and listening	Topic(s): home town region Assessment(s): GCSE foundation reading and listening practice	Topic(s): social issues, poverty, health, charity work Assessment(s): oral GCSE focus, role plays, photo cards	Topic(s): social issues, environment homelessness Assessment(s): writing practise GCSE higher	Topic(s): consolidation Assessment(s): higher GCSE papers – for practice and familiarisation 4 skills	Topic(s): consolidation topics from years 9/10 MOCK EXAM (OR Exemplar Assessments) Higher level
History	Paper One – Crime and Punishment 1000-present	Paper One – Crime and Punishment 1000-present	Paper One – The Historical Environment Whitechapel	Paper Two – Elizabethan England	Paper Three – Weimar and Nazi Germany	Paper Three – Weimar and Nazi Germany
Maths	Topic(s): Number – limits of calculations, reciprocals, surds, proportionality, recurring fractions to decimals and vice versa. Assessment(s): Summative	Topic(s): Algebra – expand multiple brackets and factorise, solve quadratic equations, work with algebraic fractions. Geometry- plot linear inequalities. Assessment(s): Basic Skills review and Problem solving.	Topic(s): Algebra – Sequences, solving simultaneous equations using multiple methods. Geometry - Plot various functions and use graphs to solve equations. Assessment(s): Summative	Topic(s): Geometry – circle theorems, arc length, sectors, similarity Assessment(s): Summative	Topic(s): Geometry – trigonometry using the sine and cosine rules, dimensional analysis. Handling data –moving averages and time series. Assessment(s): Summative	Topic(s): Handling data- study of probability involving tree and Venn diagrams, conditional probability. Assessment(s): End of Year MOCK EXAM
Music	Topic(s): Elements of Music Assessment: Group performance/composition	Topic(s):Elements of Music Assessment: Individual	Topic(s): The Concerto Through Time, Film Music, composition 1	Topic(s): Rhythms of the World, Conventions of Pop, composition 1	Topic(s): Revision of all areas, composition 1 Assessment(s):ensemble performance	Topic(s): Revision of all areas, composition 1 MOCK EXAM;

		composition	Assessment(s): Listening & Appraising, solo performance	Assessment(s): Listening & Appraising		complete composition 1
PE	Applied Anatomy & Physiology	Applied Anatomy & Physiology	Movement analysis	Physical training	Physical training	Health and fitness Mock exam
Personal Social & Health Education & Citizenship, Careers & work related learning	Topic(s): First Aid Drug Education (Topics will vary slightly depending on time of year in rotation and X and Y populations) Assessment: Verbal feedback and teacher assessment.	Topic(s): Road Safety Well women (Topics will vary slightly depending on time of year in rotation and X and Y populations) Assessment: Verbal feedback and teacher assessment.	Topic(s): Pornography- Dangers and decisions (Topics will vary slightly depending on time of year in rotation and X and Y populations) Assessment: Verbal feedback and teacher assessment.	Topic(s): The Law Growth Mindset (Topics will vary slightly depending on time of year in rotation and X and Y populations) Assessment: Verbal feedback and teacher assessment.	Topic(s): Finance Careers – student finance, introduction to UCAS, career happiness, Barclays lifeskills, CVs work experience and debrief (Topics will vary slightly depending on time of year in rotation and X and Y populations) Assessment: Verbal feedback and teacher assessment.	Topic(s): Voting Revision Techniques (Topics will vary slightly depending on time of year in rotation and X and Y populations) MOCK EXAM (OR Exemplar Assessments)
Physics Separate & Combined Sciences	P4 Electric circuits ☑ P5 Electricity in the home Assessment 1	P6 Molecules and matter ☑ P7 Radioactivity Assessment 2	P8 Forces in balance ☑ P9 Motion Assessment 3	P9 Motion ☑ P10 Force and motion Assessment 4	P10 Force and motion ☑ P11 Force and pressure Assessment 5	P11 Force and pressure ☑ P12 Wave properties Assessment 6 End of Year 10 exam
Religious Studies	Topic(s): Component 2: Religion and life	Topic(s): Component 2: Religion and life	Topic(s): Component 1: Beliefs, teachings	Topic(s): Component 2: Human Rights and	Topic(s): Component 2: Human Rights and Social Justice	Topic(s): Component 1: Beliefs, teachings

	Assessment(s): Mid unit test	Assessment(s): End of Unit test	and practices – Hinduism Assessment(s): End of Unit test	Social Justice Assessment(s): Mid unit test	Assessment(s): End of unit test	and Practices - Judaism MOCK EXAM (OR Exemplar Assessments)
--	---------------------------------	------------------------------------	---	---	------------------------------------	---