

What's on in Year 10?

Curriculum Overviews



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths	<p>Higher Topics: Sequences, Coordinates & linear graphs, non-linear graphs, real life graphs and pre-calculus.</p> <p>Foundation Topics: Rounding & estimating, HCF, LCM & prime factors, indices, standard form and sequences.</p>	<p>Higher topics: Equation of a circle, probability and algebraic fractions.</p> <p>Foundation topics: Coordinates & graphs, real life graphs, perimeter & area, circumference & area of a circle.</p>	<p>Higher Topics: Iterative methods, perimeter & area, circumference & area of a circle, volume & surface area, measures and congruency & similarity.</p> <p>Foundation Topics: Circumference & area of a circle, volume & surface area, scale diagrams, bearings and measures.</p>	<p>Higher Topics: Congruency & similarity, collecting & representing data, statistical measure.</p> <p>Foundation Topics: Congruency & similarity, Pythagoras and right-angled trigonometry.</p>	<p>Higher Topics: Circle theorems and vectors.</p> <p>Foundation Topics: Simultaneous equations and solving quadratic equations.</p>	<p>Higher Topics: Angles & polygons, scale diagrams & bearing. Preparation for PPE exams.</p> <p>Foundation Topics: Solving quadratic equations and preparation for PPE exams.</p>
English	<p>Language Paper 2 and Literature Paper 2: Perspectives and Viewpoints - Section A with a focus on methods and comparison, Power and Conflict: focus on comparison.</p>	<p>Literature Paper 1: A Christmas Carol.</p>	<p>Language Paper 2: Crafting viewpoints Section A (A Christmas Carol crossover texts), Section B and Spoken Language NEA Assessments.</p>	<p>Literature Paper 1: Power and Conflict: Focus on comparison. Macbeth.</p>	<p>Language Paper 1: Explorations in creative reading and writing - Section A and B</p>	<p>Literature Paper 2: An Inspector Calls.</p>
Science (Combined)	<p>Inheritance & Evolution (Biology), Bonding, Structure and Properties (Chemistry). Use and development of models in Science, ethical issues, development of theories.</p>	<p>Organic Chemistry, Chemical Changes Part 2 (Chemistry), Bioenergetics (Biology). Balancing equations, interpreting data, graphing.</p>	<p>Atomic Structure & Radiation, Electricity part 1 (Physics) Energy Changes (Chemistry). Writing methods, evaluating methods, interpreting data, graphing. Perceived vs actual risk.</p>	<p>Quantitative chemistry, Rate & Extent of Chemical change (Chemistry), Homeostasis and Response (Biology). Graphing, algebra and rearranging equations, method writing, evaluating methods, interpreting data.</p>	<p>Waves, Forces Part 2 (Physics), PPE Preparation. Perceived vs actual risk, method writing, evaluating methods, interpreting data, algebra and equations.</p>	<p>PPE Preparation, PPE Review</p>
Science (Triple)	<p>Bioenergetics (Biology), Bonding, Structure and Properties (Chemistry). Use and development of models in Science, ethical issues, development of theories</p>	<p>Organic Chemistry, Chemical Changes Part 2 (Chemistry), Homeostasis and response (Biology). Balancing equations, interpreting data, graphing, writing methods, evaluating methods.</p>	<p>Atomic Structure & Radiation, Electricity part 1 (Physics) Energy Changes (Chemistry). Writing methods, evaluating methods, interpreting data, graphing. Perceived vs actual risk.</p>	<p>Quantitative chemistry, Rate & Extent of Chemical change (Chemistry), Homeostasis and Response (Biology). Graphing, algebra and rearranging equations, method writing, evaluating methods, interpreting data.</p>	<p>Forces Part 2, Electricity Part 2 (Physics) PPE Preparation. Perceived vs actual risk, method writing, evaluating methods, interpreting data, algebra and equations.</p>	<p>PPE Preparation, PPE Review.</p>
Geography	<p>Economic Development Paper 2: Kenya and the development gap. Understanding and comparing data.</p>	<p>Economic Development Paper 2: Kenya and the development gap. Understanding and comparing data. Living world Introduction to biomes.</p>	<p>Living World Paper 1: Rainforests, Solomon islands. Use of images in Geography.</p>	<p>Living World Paper 1: Deserts Mojave. Processing information and comparing and contrasting.</p>	<p>Resources Paper 2: UK Resources Food, Energy and Water. Analysing graphs and maps.</p>	<p>Resources paper 2: Global water. Fieldwork in Plymouth</p>
History	<p>American West: Why move west? Mormon Migration & Development and problems of white settlement farming, Tensions between settlers, Significance of the American Civil War, The Homestead Act & The Pacific Railroad Act, Problems of law & order, Growth and changes in the cattle industry, Rivalry between ranchers and homesteaders, Indian Wars. Consequences, narrative account, Relationships.</p>	<p>American West: Changes in farming and the cattle industry, Continued problems of law and order (Billy the Kid, Wyatt Earp), Ranchers vs Homesteaders (Johnson County War), Conflict with Plains Indians (Great Sioux War, Battle of Little Bighorn, Wounded Knee Massacre), Buffalo hunting and extermination & Changing government attitudes. Consequences, narrative account, Relationships.</p>	<p>Early Elizabethan England, 1558-88: Ascension, Gov't & Society, Character - Strengths/Weaknesses, Challenges, Religious Divisions, Religious Settlement. Key features, causation, Agree/Disagree.</p>	<p>Early Elizabethan England, 1558-88: Mary Queen of Scots, Threats at home, Execution of Mary Queen of Scots, Relations with Spain, Outbreak of War with Spain. Key features, causation, Agree/Disagree.</p>	<p>Early Elizabethan England, 1558-88: Reasons for English Victory, Education & Pastimes: Sport & Theatre, Problem with the Poor, Explorations & Discovery. Key features, causation, Agree/Disagree.</p>	<p>Civil Rights in the USA: Black Americans in 1950s, Segregation in schools, Montgomery Bus Boycott, White Opposition, Freedom Rides, Sit Ins, Birmingham & Washington, Civil Rights Laws, Malcolm X & Black Power, Civil Rights Movement 65-75. Inference, causation, usefulness, Differences, How & Why, Judgement.</p>
MFL	<p>Vocabulary focus: holidays and travel, weather. Grammar focus: review of all past tenses, review of opinions, (introduction to passive voice). Cultural focus: Spanish/ French speaking countries around the world.</p>	<p>Vocabulary focus: transactional holiday language-directions, shopping, making reservations, complaints and problems, eating out. Grammar focus: question formation, formal vs informal language use, (the perfect tense). Cultural focus: Day of the Dead (Mexico).</p>	<p>Vocabulary focus: social media and new technology, music, music festivals, Spanish / French celebrations, speculating about the future. Grammar focus: present continuous, when + present subjunctive, (para) Cultural focus: Spanish / French celebrations.</p>	<p>Vocabulary focus: free time, sports, media, films, daily routines and chores. Grammar focus: review of tenses learnt to date, higher-level structures. Cultural focus: Spanish/ French films, chores UK and abroad.</p>	<p>Cross topic revision lessons + exam techniques- Reading, Listening, Writing and Speaking exam preparation</p>	<p>Vocabulary focus: Global dimension, volunteering abroad. Grammar focus: review of all grammar learnt to date, focus on higher-level structures, present subjunctive, past subjunctive. Cultural focus: global issues.</p>

Art	Private Worlds' Recording through primary and secondary sources.	Private Worlds' Experimentation using a wide variety of 2-D and 3-D sculptural media in response to a range of relevant artists.	Private Worlds' In depth artist analysis and transcriptions.	Private Worlds' Planning final piece compositional sketches & trialling media; Final piece painting or sculptural piece getting started; Mock sustained focus final piece? Finish final sustained piece for 'Private Worlds' 2-D or 3-D or mixed media.	Fragments' Recording from primary & secondary sources exploring new theme.	Fragments' Experimentation using a wide variety of 2-D and 3-D sculptural media in response to a range of relevant artists. In depth artist analysis and transcriptions & introduction to extended Summer artist study.
Photography	Transform' – Exploring & questioning the theme; Artist study Nacho Ormaechea; Surrealist Photographers & metamorphosis.	Transform' – Transform photographs into stencils, digital painting, image transfer & dark room techniques; Review and reflect on the theme & experiment; Refine ideas using the appropriate techniques & ideas.	Transform' – Plan a final outcome through thumbnail sketches & notes; Create a personal meaningful photographic outcome.	Identity in portraiture' - Understanding the portrait in photography & how to capture emotions; Distortion using Photoshop; Changes in portraiture over time; Reviewing & refining ideas; Experimenting with composition relevant to theme.	Identity in portraiture' - studio portraiture & lighting; Refine; Experimenting & refining showing influences of artists; Planning for a final outcome.	Identity in portraiture' - Creating final outcomes demonstrating analytical & critical understanding. Extension time to catch up refine and present various elements.
Drama	An Inspector Calls and Too Much Punch for Duty. Video and Written Logs.	An Inspector Calls and Too Much Punch for Duty. Video and Written Logs.	An Inspector Calls and Too Much Punch for Duty. Written Report.	Social & Historical Context. Rehearsal & Performance of Scripted Extract.	Rehearsal & Performance of Scripted Extract.	Rehearsal & Performance of Scripted Extract.
Music	Performance techniques. Planning a practice routine. Assessment: U5 Keeping a practice diary/video log. Mixcraft 101 Part 1 including. STEM Mixes.	Assessment: U7 Mixcraft How To Guide; Sequencing a score. Assessment: TV Ad and Written Log; FX and Final Mix and Written Log.	What makes a good concert? U2 Concert Plan; Planning a safe event; The Programme; Promoting an event. Assessment: U2 Promotional Materials including One Sheet Research and One Sheet.	Logistics and Technical Considerations. Assessment: The Logbook & Evidence. Concert preparations. Assessment: U2 CONCERT WEEK including Evaluation.	Coursework improvements.	Performing improvements and final recitals.
CLASS	Diversity - the history of immigration to Britain. Key points of living in multi-cultural Britain. Living in the wider world.	Radicalisation and Terrorism.	Eating Disorders – Anorexia/Bulimia: Signs, symptoms and reasons. Healthy Coping Strategies.	BROOK - STI's and staying safe.	Pornography - To know that porn is available for adults to watch if they want to, that porn is fantasy and is different from the sex couples have off screen and that there is a legal and ethical side to porn.	Gender and Relationships - sexting and its consequences.
PE	Preparing for a healthy lifestyle after school. RUGBY, FITNESS, AUSSIE RULES, CROSS COUNTRY NETBALL.	Preparing for a healthy lifestyle after school. RUGBY, FITNESS, AUSSIE RULES, CROSS COUNTRY NETBALL.	Preparing for a healthy lifestyle after school. Training as a team.	Preparing for a healthy lifestyle after school. DEVELOPING KNOWLEDGE AND SKILLS IN OUTDOOR ACTIVITIES.	Preparing for a healthy lifestyle after school.	Preparing for a healthy lifestyle after school.
DT	Non-Exam Assessment Practice - Encouraging Healthy Lifestyle; Materials Management; Using & Working with Materials; Scales of Production; Environmental, Social & Economic Challenge; Selection of Materials & Tolerances; Using & Working with Materials.	Investigating; Culture & Design; The Work of Others; Selection of Materials; Stock Forms & Sizes; Design Strategies; Production Techniques.	Communication of Design Ideas; Forces & Stresses; Scales of Production; Sources & Origins; Using & Working with Materials; Prototype Development.	Specialist Techniques & Processes; Surface Treatments & Finishes; Selection of Materials & Tolerances; Industry / Automation & Enterprise.	Energy Storage; Ethics & the Environment; Ecological & Social Footprint; Textiles.	Investigating; The Work of Others; Environmental, Social & Economic Challenge; Selection of Materials; Design Strategies; Communication of Design Ideas.
Food	Health and Safety: Safe and hygienic working practices relating to self and the cooking environment; Potential risks and hazards in the cooking environment; HACCP (Hazard Analysis and Critical Control Point); Minimising risks in the cooking environment; Cooking equipment and utensils. Practical Skills: Cooking methods and techniques.	Food provenance: Healthy Eating; Balanced Diet; Nutrients; Nutrient imbalances; Dietary fibre; Making food recommendations for specific groups of people. Food-related health conditions; Nutritional information on food labels.; Practical Skills: Cooking methods and techniques.	Proposing dishes for menus Factors: Time of year e.g. seasonality of commodities, seasonal events Availability of food Skills of staff Equipment available Time available Type of provision e.g. service, location, size, standards Finance e.g. costs, customer needs Practical Skills: Cooking methods and techniques.	Hospitality and catering provision and health and safety requirements. Recommend personal safety control measures for hospitality and catering provision. Control measures: For staff. For customers. Practical Skills: Cooking methods and techniques	Interpreting a Brief: Selecting a menu of dishes for the brief; Action Planning; Revising plan based on feedback. Prepare and Cook a Three-Course Menu.	Success of Response to Brief: Preparation skills; Food groups; Healthy Eating; Nutrients. Preparation for synopsis project.
Business Studies	Unit 2 Planning for and Pitching an Enterprise Activity B: Pitching and review micro-enterprise activity. Assessment B and C.	Exploring Enterprises A: Examining the characteristics of enterprises and industry sectors.	Exploring Enterprise: Investigating the characteristics of entrepreneurs and skills for success. Assessment 1 will be completed.	Exploring Enterprises B: Exploring how market research help enterprises meet customer needs.	Exploring Enterprises B: Exploring and understanding competitor behaviours. Assessment 2 will be completed. Tenner Challenge Project will start.	Exploring Enterprises C: Investigating external factors that contribute to enterprise success.
Computer Science	Unit 5 Careers in Computing: Algorithms topics include: Computational Thinking, Searching Algorithms, Sorting Algorithms.	Unit 5 Algorithms: Developing algorithms using flow charts, developing algorithms using pseudocode, Interpret, correct and complete algorithms.	Unit 6 Programming: Programming concepts, sequence and selection, iteration, arrays.	Unit 6 procedures and functions, records and files.	Unit 7 Logic and Languages: Logic diagrams and truths tables, defensive design and errors and testing.	Unit 7 continued: Translators and facilities of languages. Assessment Point.