

Autumn term - Curriculum Overview

Year 11

English	Pupils will study A Christmas Carol by Charles Dickens as part of their Literature GCSE. This will focus on: <i>significance of character and context; historical significance; writer's methods; and key themes</i> . Prior to Christmas, pupils will also study the unseen poetry questions, including effective answer structures.	
CORE Mathematics	In the first half term, pupils will study the following topics: <i>Rounding, error bounds, (Foundation only)</i> <i>Quadratic/cubic graphs</i> <i>Completing the square, quadratic formula, solving by factorising (Higher only)</i> <i>Quadratic simultaneous equations (Higher only)</i> <i>Volume</i>	As they move to the second half term, pupils will study the following topics: <i>Percentage problems</i> <i>Sine and cosine rule (higher tier only)</i> <i>Constructions and loci</i> <i>Sine and Cosine rule (higher tier only)</i> <i>Equations of a circle (higher tier only)</i> <i>Circle theorems (higher tier only)</i> <i>Probability</i> <i>Venn diagrams</i> <i>Bearings, maps, and scales</i>
Biology	Co-ordination and Control: the nervous system. Pupils will learn about the nervous system and how it enables humans to react to their surroundings and to coordinate their behaviour.	
Chemistry	The rate and extent of chemical change: pupils will study <i>the reactions of metals, acids, alkalis and salts, titrations, and electrolysis</i> .	
Physics	In this unit on Forces pupils will study ideas such as <i>mass and weight, balanced forces, density, floating and sinking, motion graphs, pressure, pressure in liquids, air pressure, moments, gravity and weight, space and forces</i> .	

In Year 11 pupils will continue the study of their personalised subject choices from the World disciplines.

History	Conflict and Tension between East and West, 1945-1972: <i>the development of the Cold War, the transformation of the Cold War.</i>	Elizabethan England: 1569-1603, part one: <i>Elizabeth's court and parliament.</i>
Geography	Pupils will study the Urban Futures unit and learn about knowledge areas such as: <i>1. Super-sized cities in an urban world</i> <i>2. How cities began and grew</i> <i>3. Urban population explosion and the growth of slums</i> <i>4. Urban trends in the UK</i> <i>5. The future of cities</i> <i>6. Case studies of Birmingham and Rio de Janeiro</i>	Pupils will study the Dynamic Development unit and build their knowledge on: <i>1. Defining development</i> <i>2. The global development divide and measuring development.</i> <i>3. Uneven development and how it affects people's lives.</i> <i>4. Causes of uneven development</i> <i>5. Barriers to development</i>
WORLD Spanish	Festivals and health are our topics for the first half term. Pupils will learn vocabulary and explore language needed to speak, write, listen, and read about: <i>routines, illnesses and injuries, body parts, food and drink, and festivals and events</i> . In the second half term they move on to jobs and future plans, again learning vocabulary related to <i>jobs, future wishes and hopes, job applications and chores</i> .	Grammatical and linguistic focus. In exploring this topic, pupils will learn the following key knowledge: <i>Stem changing verbs</i> <i>Reflective verbs</i> <i>Quantities</i> <i>Formation of passive verbs</i> <i>The absolute superlative</i> <i>Expressions and the infinitive</i> <i>Saber vs. Conocer</i> <i>indirect object pronouns</i> <i>The conditional tense</i> <i>Revision of impersonable verbs</i>
French	School is our topic for the first half term. Pupils will learn vocabulary and explore language needed to speak, write, listen, and read about subjects, the school day, teachers and pupils, rules and uniform. In the second half term they move on to jobs and future plans , again learning vocabulary related to <i>jobs, future wishes and hopes, job applications and chores</i> .	Grammatical and linguistic focus. In exploring this topic, pupils will learn the following key knowledge: <i>Present tense - 3rd person singular and plural</i> <i>Infinitive constructions</i> <i>Imperatives</i> <i>Adverbs</i> <i>Simple future tense</i> <i>Pronoun 'on'</i> <i>Perfect infinitives</i> <i>Present infinitives</i> <i>Subjunctives</i> <i>Si clauses, 'quad' and 'lorsque' structures</i>

Religious Studies	In the first half term - <i>sacraments, worship, prayer, pilgrimage, worldwide church, and worship.</i> In the second half term - Marriage and the Family : <i>families, family planning, marriage, equality, and gender prejudice.</i>
--------------------------	---

Pupils will also continue the study of their two subject choices from the Performance and Technical disciplines.

TECHNICAL	Product Design	In this first term of Year 11, pupils will complete their coursework projects, bringing together key assessment objectives from the course: <i>identifying and investigating design possibilities, identifying a client, producing a design brief and specification, generating ideas, and developing design ideas.</i>
	Business Studies GCSE	Finance. Key knowledge to include: <i>sources of finance; cash flow; financial terms and calculations; analysing the financial performance of a business.</i>
	Business Studies - Applied	Pupils will undertake a unit on promotion and finance as preparation for the external exam. This will include: <i>advertising; sales promotions; direct selling; public relations; direct marketing; types of market; market segmentation; factors affecting choice of promotion; an introduction to financial records; methods of payments; sources of revenues and costs; turnover and profit; statements of comprehensive income; assets and liabilities; profitability and liquidity; profitability ratios; and liquidity ratios.</i>
	Food Technology	Year 11 begins with a practical coursework component that focuses on demonstrating technical skills . Key knowledge and skills include: <i>understanding of ingredients, safety, and hygiene; use of different equipment; technical skills; and evaluation.</i> As they move into the second half term, they will plan for their final menu and include: <i>research, justification of the final dishes, a time plan, food and safety principles, cooking and presenting food.</i> They will conclude by <i>evaluating sensory properties, nutritional value, provenance and cost.</i>
	Computer Science	SQL: key knowledge to include: <i>structured data; files, fields and attributes; search and sort with SQL.</i>
PERFORMANCE	ICT	<p>Understand how data and information can be collected, stored and used. Key knowledge includes: <i>The methods used to collect data and store data/information and the IT used to support data collection</i> <i>Different storage methods and the appropriateness of the use of these in context</i> <i>The use of data, the applications and interaction of data stores and the benefits and drawbacks of the use of data</i></p> <p>Understanding the factors to be considered when collecting and processing data and storing data/information. Key content includes: <i>Types of threats</i> <i>The vulnerabilities that can be exploited in a cyber-security attack</i> <i>The impacts and consequences of a cyber-security attack</i> <i>Prevention measures</i> <i>Current relevant IT legislation, its implications and applications</i> <i>4.6 The importance of validity, reliability and bias when collecting and using data and information</i></p>
	Art	Preparation and completion of the second coursework component: pupils will complete a study based on a series of set stimulus. They will: <i>Collect primary and secondary sources for their research.</i> <i>Make use of recording of drawings and paintings produced based on these resources.</i> <i>Use digital manipulation as part of their study.</i> <i>Complete artistic research and analysis.</i> <i>Plan and execute a final piece.</i>
	Drama	In this first half term pupils will work on preparation for the written exam for component one , including revision and development of Blood Brothers and the Live Theatre component of the paper. In the second half term, pupils will work in groups to prepare and rehearse their coursework for component 2 - devised theatre.
	Media Studies	Pupils will begin the close study texts that will be the focus of their final examinations. <i>In this term they will study online media, including the representation of Marcus Rashdon, and also the medium of radio.</i>
	Physical Education	This term pupils will study toward key exam topic areas such as: <i>Participation in Physical Activity and Sport; Lever Systems; Health Fitness and Wellbeing; Optimising Training; Skills and Skill Classifications; Types of Guidance; Cardiovascular System; and Diet and Nutrition.</i> They will also work toward completing their NEA Coursework.
	Music	Preparation for final examinations to focus on the set work 'Samba Em Prelude' and, in preparation, study fusion texts.