

Summer term - Curriculum Overview

Year 10

CORE	English	Pupils will be studying the text <i>Macbeth</i> . <i>Pupils will study significance of character, context and historical significance as well as exploring writer's methods and intentions and the key themes.</i>	Pupils will then begin preparation for their year 10 GCSE mock exam.
	Mathematics	In the first half term, pupils will study the following topics: <i>Representing and interpreting data</i> <i>Histograms (Higher tier only)</i> <i>Transformations</i> <i>Vector geometry (Higher tier only)</i>	As they move to the second half term, pupils will study the following topics: <i>Non linear graphs</i> <i>Solving quadratic equations</i> <i>Approximations, rounding and significant figures</i> <i>Volume of prisms, pyramids and spheres</i> <i>Completing the square and quadratic formula (Higher tier only)</i> <i>Non-linear simultaneous equations (Higher tier Only)</i>
	Biology	In the summer term pupils will be studying Infection & Response . They will learn about: <i>communicable disease and human defence systems</i> . Pupils will then go on to study Plant Biology , including: <i>photosynthesis, plant tissues and organ systems and plant hormonal response</i> .	
	Chemistry	In Chemistry pupils begin the spring term by learning about Chemical changes . This will include work on <i>reactivity of metals, reactions of acids, electrolysis and titrations</i> .	
	Physics	In Physics pupils will be studying Particle model of matter . This will cover <i>changes of state, energy transfers, pressure, atoms and isotopes and nuclear radiation</i> .	

In Year 10 pupils will also begin the study of their personalised subject choices from the World disciplines.

WORLD	History	Britain: Health and the people c1000 to present day: part three: a revolution in medicine, part four: modern medicines Conflict and tensions between the East and West, 1945-1972: The origins of the cold war	
	Geography	Pupils will study a unit on Sustaining ecosystems that will cover key knowledge areas that include: <ul style="list-style-type: none"> • <i>Ecosystems and interdependence</i> • <i>Distributions of biomes and their climate, flora and fauna</i> • <i>Characteristics and value of a tropical rainforest</i> • <i>Polar environments</i> • <i>Human impacts on the TRF</i> 	
	Spanish	Free time is our topic for the first half term. Pupils will learn vocabulary and explore language needed to speak, write, listen, and read about: <i>activities, TV shows, film, sport, music and reading</i>	Grammatical and linguistic focus. In exploring these topics, pupils will learn the following key knowledge: <ul style="list-style-type: none"> • <i>so/ser + infinitive (present tense)</i> • <i>Direct object pronouns</i> • <i>Perfect tense</i> • <i>Acabar de + infinitive</i> • <i>Adjectival agreement</i>
	French	Home town & local area is our topic for the first half term. Pupils will learn vocabulary and explore language needed to speak, write, listen, and read about: <i>traditions, accommodation, countries, geographical features, places in a town, directions and positives and negatives of a town</i>	Grammatical and linguistic focus. In exploring this topic, pupils will learn the following key knowledge: <ul style="list-style-type: none"> • <i>Venir de + infinitive</i> • <i>Pronoun 'y'</i> • <i>Asking questions using 'quel'</i> • <i>Using idiom</i> • <i>Simple future tense</i>
	Religious Studies	In the summer term Pupils will study Christian beliefs: The trinity, creation, Jesus, eschatology and the problem of evil and suffering	

In Year 10 pupils will also continue the study of their two subject choices from the Performance and Technical disciplines.

TECHNICAL	Product Design	Core and Specialist Principles of Design Technology. In this theory based unit, pupils will study <i>new and emerging technologies: critical evaluation, industry and enterprise, people, culture and society, production techniques and sustainability and the environment.</i> Pupils will also study Systems approach to designing including input and output devices, processes and programming of microcontrollers.	
	Business Studies GCSE	Pupils will finish a unit on External influence on Business. Key knowledge to include: <i>technology, ethical considerations, environmental considerations, the economic climate of business, globalisation, legislation and the competitive environment.</i>	
	Business Studies - Applied	Situational analysis project: <i>Political influences on businesses</i> <i>Economic influences on businesses</i> <i>Social influences on businesses</i> <i>Technical influences on businesses</i> <i>SWOT analysis</i> <i>Business comparison</i>	
	Food Technology	Pupils will begin their NEA this term. This will include: <i>Food investigation, research, practical experiments and investigations, how ingredients work and why, analyse and interpretation of results, communication.</i>	
	Computer Science	Hardware. Key content to include: <i>CPU, CPU components and their functions, storage and memory, RAM and ROM, suitability of different storage types, logic and truth tables.</i>	
	ICT	Testing and reviewing an AR model, considerations to include: <i>planning and design considerations and the use of design tools, triggers, layers, user interaction and information output.</i>	
PERFORMANCE	Art	Personal project two: pupils will start their second study based on a series of set stimuli. 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 and experimental work</i> <i>Complete artist research and critical analysis</i> <i>Produce work in the style of artists</i> <i>Plan for final piece</i>	
	Drama	Pupils will begin rehearsals of a devised group piece before their performance.	In the second half of the term pupils will complete their devised group performance and begin their mock exam preparation.
	Media Studies	Pupils will begin the spring term studying Participatory Media with case studies of <i>Kim Kardashian: Hollywood and Lara Croft Go!</i> In the second half term pupils will look complete a Photography skills Unit.	
	Physical Education	This term pupils will study toward key exam topic areas such as: <i>Optimising training, types of guidance and practical performance.</i> <i>Core PE continues with a rotaion of sports including: Netball, badminton, football, softball, first aid, rugby, dodgeball, golf, unihoc, non traditional games and team building.</i>	
	Sports Studies - Applied	Task 4 – Leading a sports activity session including: <i>Organising a sports activity, leadership and delivery style, adaptability, communication, positioning</i> Task 5 - Reviewing your own performance. <i>Evaluating the planning of activities, Evaluating the leading of activities.</i> <i>Core PE continues with a rotaion of sports including: Netball, badminton, football, softball, first aid, rugby, dodgeball, golf, unihoc, non traditional games and team building.</i>	
	Music	After completing the set work ' Star Wars ' and the composition of Film Music pupils will begin a programme of recap and revision in preparation for the year 10 mock exam.	