

SUBJECT	AUTUMN TERM	SPRING TERM	SUMMER TERM
<p data-bbox="185 189 367 316">ART (1 hour per week)</p> 	<p data-bbox="481 189 1001 687">Students will work on a project whose aim is to experience a GCSE paper, develop independence and provide opportunities for greater ownership of their work. Students will respond to the theme "extraordinary/ordinary" and approach their ideas from a number of starting points by responding to still life, the figure, landscape and other areas. They will explore and refine many of the ideas, processes and use of resources they have acquired over KS3.</p>	<p data-bbox="1023 189 1543 331">Students will continue developing work and a sustained outcome from their personal idea on the theme "extraordinary/ordinary".</p>	<p data-bbox="1572 189 2065 608">Students will complete a new project on Landscape, learning to understand the abstract. The students will approach the ideas from a number of starting points responding to music, images and other stimuli. They will make connections to their work from a number of times and cultures and will start to be more sophisticated in the challenges they undertake.</p>
<p data-bbox="185 777 367 951">BIOLOGY GCSE (1 hour per week)</p> 	<p data-bbox="481 777 1001 1316">The Autumn term covers Cell Biology. This topic goes through how cells are the basic unit of all forms of life. Students will identify structural differences between types of cells and link this to their function. They will explore how these differences are controlled by genes in the nucleus. This will help them understand the development of stem cell technology, which the students will learn about, as well as evaluating the use of stem cells. They will also learn about the different types of transport that can occur.</p>	<p data-bbox="1023 777 1543 1236">In this term students will learn about Biological Organisation. They will learn about the structures in digestive system, circulatory and respiratory system and how they work together to perform a function. They will look at the impact of damage to these systems through different diseases and what medical treatments are available for those diseases. Risk factors that could increase your chances of developing certain diseases will also be learnt.</p>	<p data-bbox="1572 777 2065 1003">Students will learn how the plant's transport system is dependent on environmental conditions to ensure that leaf cells are provided with the water and carbon dioxide that they need for photosynthesis.</p>

<p>CHEMISTRY GCSE (1 hour per week)</p> 	<p>In the autumn term students learn about the evolution in ideas about the atom, culminating in current theories about its structure. The origins of the periodic table are considered as is the importance of different types of elements and the compounds and mixtures made from such elements.</p>	<p>In the spring term attention is switched to considering different types of Chemical reactions. The ideas of metal reactivity and displacement reactions are investigated as is the idea of metal extraction from its ores. The general reactions of acids with metals, alkalis, bases and metal carbonates are also considered as is the pH scale. Attention then moves to crude oil and its separation and use.</p>	<p>In the summer term the processes of making crude oil more useful are further investigated including the ideas of cracking and addition polymerisation. The term is concluded by analysing the composition of gases in the air as well as considering the evolutionary change in the composition of air through time and the factors that affect these changes.</p>
<p>COMPUTING (90 minutes per week)</p> 	<p>OCR Entry Level Computing R353: Hardware: the components of a computer their function and peripherals and their function. The unit also aims to ensure that students are made aware of the latest developments in hardware. Software: Students will learn the functions of an operating system, types of application, system and utility software in different contexts. Logic: Students will work on binary numbers, how logic gates work and where they are used and also how sequencing is used within instructions to create programs. Following each topic, students will take an end of item test set by OCR.</p>	<p>During the spring term students will be expected to write, test and evaluate a simple program and then go on to research a computing related technology. Programming: This section contains four phases. (a) planning by creating flowcharts, writing algorithms and pseudo code; (b) implementing by using Python Shell; (c & d) testing and evaluating the program against the specification requirements. Trends in Computing: Students are required to research a trend in computing technology and how it has developed. They will go on to explore examples and the impact these have had on society.</p>	<p>Computer Networks – 3D Doodling: Students will learn about the different types of computer networks and how they are used. They will go on to use their knowledge to plan a 3D Model of a network and implement these using a 3D Doodler. Arduino Gaming: Students will explore the concepts behind creating handheld games using the Arduino kit. They will plan, design, and implement a simple game using specialist software and equipment for their peers to evaluate.</p>

ENGLISH
(3 hours per week)



Students will begin the Autumn Term with a study of the art of rhetoric. They will respond to their reading of a range of speeches given by people as diverse as Elizabeth I and Barack Obama through the delivery of their own speech on a subject of their choice. In the second half of the Autumn term students will study a modern play. The choice of play will depend on your daughter's teacher. In order to begin to prepare your daughter for the GCSE course, she will be introduced to the style and type of questions she may be asked in her Year 11 examinations.

At the beginning of the Spring Term, students will complete a unit on narrative and descriptive writing. They will look at a range of 20th and 21st century poems, short stories and descriptive passages from which they will be asked to take inspiration for their own writing on a theme or idea of their choice. Following this, your daughter will undertake an in-depth study of a Shakespeare play which may vary (as it will at GCSE) according to your daughter's teacher. This unit will introduce students to the rigours of studying a whole text in preparation for the work she will do at GCSE. Your daughter will respond to a question on the play through an extended literary essay.

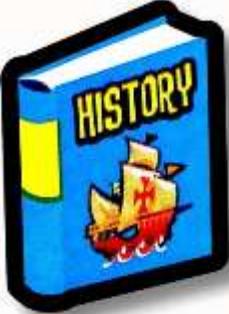
In the Summer Term students will study a novel. In most cases this will be John Steinbeck's 'Of Mice and Men'. This unit is taught with the GCSE course in mind, introducing students to more mature subject matter and encouraging them to take careful and thorough notes in class. Students will then move on to studying a range of poetry written in English by people around the world. Your daughter will be encouraged to consider a more personal and independent response to the poetry she reads. At the end of year 9, your daughter will undertake a brief 'bridging' unit that will introduce her to some of the texts that she might be studying in Year 10 and 11.

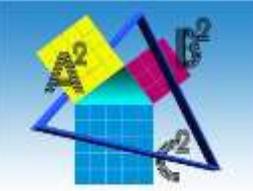
FOOD STUDIES
(90 minutes per week for 1 term)

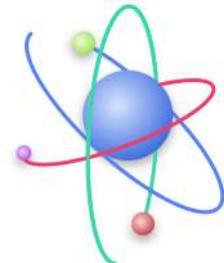


The National Curriculum focus in Year 9 is industrial applications of technology. In Food Studies students will use a range of equipment (e.g. pressure cookers and microwaves) enabling fast, economical and efficient methods of food production. They will be encouraged to plan, design and work independently. Students will undertake a cross-curriculum Design Technology project, based on ready meals and packaging. They will also learn new graphic techniques and be encouraged independently to plan, resource and prepare a number of food products.

<p>FRENCH (2 hours per week)</p> 	<p>In the Autumn Term we cover the following topics: personal information, last weekend activities, family and friends, technology, leisure activities, childhood activities and so on. The grammar we cover includes: advanced connectives, perfect tense, imperfect tense, justification, using 'pour' + infinitive, comparatives, superlatives, likes/dislikes and adjectives. Students will learn the skill of translating from French into English and from English into French. The pupils will be expected to read outside the classroom to acquire new language.</p>	<p>In the Spring Term our topics are: school life, career plans and other future plans. In grammar the students will consolidate the future tense, imperfect and perfect tense and learn the conditional tense in order to be able to talk about past, future and ideal events. At the end of the Spring Term pupils will have the knowledge and understanding of four tenses (past, present, future and conditional) that they will continue to practise in the Summer Term.</p>	<p>In the Summer Term we cover the topics: healthy lifestyle, the body, at the doctors and accidents. In grammar we will continue to practise our four tenses as a revision for GCSE and students will be introduced to some more complex GCSE structures.</p>
<p>GEOGRAPHY (90 minutes per week)</p> 	<p>Your daughter will study the tourist industry as part of her Economic Activities unit. She will be preparing for a day visit to Clacton-on-Sea. Your daughter will collect primary data, using a variety of fieldwork data collection methods, to help in her understanding of the nature of tourism in this Essex seaside resort. Your daughter will study the impact that the tourist industry has had. In the final few weeks of term a short topic - 'The World' - will be studied, increasing your daughter's understanding of longitude and latitude, time zones and the largest urban settlements to be found across the planet.</p>	<p>In the Spring term your daughter will learn about a wide range of natural hazards such as earthquakes, volcanic eruptions and hurricanes. This unit of work allows students to come to grips with some of the more complex processes to be found in physical geography. It also enables students to appreciate the strong relationship between human and physical environments. Much of the work completed is done using computers and the Internet and an emphasis is placed on students carrying out a lot of the learning independently.</p>	<p>In the Summer term your daughter will study some of the world's major regions. A good knowledge of 'location' will be developed in relation to Africa, Asia and the Middle East. Students will spend more time focussing on a range of geographical processes, concepts and issues to be found in parts of Africa and the country of Indonesia. These will include changing population characteristics, managing population change, hot deserts and the effects of rapid urbanisation.</p>

<p>GERMAN (2 hours per week)</p> 	<p>In the Autumn Term we cover the following topics: holidays, accommodation, holiday and weekend activities, buying fruit and vegetables at the market, ordering food in a café, things you can buy in different shops, pocket money and Christmas in Germany. The grammar includes: revising the present tense, using the perfect tense, dictionary skills, using in + dative and accusative and using um ... zu (in order to). Students will learn the skill of translating from German into English and from English into German.</p>	<p>In the Spring Term our topics comprise: TV programmes, telling the time, after school activities, parts of the body, health and fitness, diet and healthy living. We also cover the following grammar points: using gern, lieber and am liebsten, using 'sie' (they) correctly, using müssen with an infinitive, word order (time, manner, place), changing the pronouns in the perfect tense, possessive adjectives, wenn clauses, modal verbs and adverbs of frequency.</p>	<p>In the Summer Term we cover the following topics: accepting and turning down invitations, clothes, describing a party, daily routine, learning more about a particular German city and an exchange situation. We also cover the following grammar points: word order with 'weil', future tense, using ihr (you), separable verbs, imperfect tense (ich hatte), word order (time, manner, place), revising the perfect, future and present tenses.</p>
<p>HISTORY (90 minutes per week)</p> 	<p>The year nine History course will offer your daughter an exciting and invaluable opportunity to explore the key events of the twentieth century. She will begin by debating the legacy of this turbulent century and the impact it had on ordinary people in different parts of Europe. This will lead into a detailed study of the causes and consequences of World War I.</p>	<p>The spring term focuses on the rise of extremism across Europe in the 1930s. Your daughter will explore the nature of different ideologies such as communism, fascism and liberalism. She also will look in detail at events in Germany and explore the nature of the Nazi dictatorship. It is hoped she will begin to develop a mature awareness of the circumstances in which extremist ideas flourish and in particular the way in which economic circumstances can contribute to this. An opportunity will be taken to discuss parallels with recent political developments in Britain and across Europe.</p>	<p>We examine some of the consequences of the rise of extremism, in particular the origins of World War II. Your daughter will be asked to debate the relative importance of the various factors leading to the outbreak of war in 1939. She will also get a chance to research the wide ranging social and political consequences that war can have on the countries involved. The term will conclude with an overview of the legacy of the War: our understanding of persecution and attempts to prevent the emergence of a third world war through the formation of institutions like the UN.</p>

<p>LATIN (2 hours per week)</p> 	<p>The pupils build on the basic language features covered last year, learning grammatical topics such as the pluperfect tense, the genitive case, imperatives and demonstrative pronouns. Alongside their language work they will study a section of Homer's <i>Odyssey</i> in English translation in the first half of term and in the second a section of Ovid's <i>Metamorphoses</i>. They will explore literary concepts such as heroism and narrative devices such as similes, which will in turn develop important skills required for the literature section of GCSE Latin and Classical Civilisation.</p>	<p>Pupils finish the Cambridge Latin Course Book 2 and move on to Book 3 with its setting once again in Roman Britain. They will study more complex grammatical topics including present participles and perfect passive participles. Language work from the whole year is further consolidated with more complex translations from the Dunlop textbook.</p>	<p>In preparation for the GCSE course pupils further consolidate their language knowledge from the year with translations from the Dunlop textbook. The grammatical focus will be on perfect active participles and different uses of the genitive case. After the end of year exam, the background focus will be on the ancient site of Aquae Sulis, during which pupils will complete a project on the Roman baths found there.</p>
<p>MATHEMATICS GCSE (3 hours per week)</p> 	<p>Your daughter's study of Mathematics will now reflect the new content included at GCSE level as well as an increased focus on problem solving. Among content covered is: index notation for integer powers; calculating with powers, roots and numbers expressed in standard form; highest common factors and lowest common multiples. They will begin studying algebra, factorising linear expression and higher order polynomials; the difference of 2 squares. They will also set up and solve equations, including quadratics as well as being introduced to algebraic proof.</p>	<p>In the spring term your daughter will initially continue with the algebra unit by studying sequences including: generating and finding the nth term of a sequence; quadratic sequences; geometric progressions; real life sequences. Students will then learn how to use and analyse data, specifically: two-way tables; finding averages from small data sets and frequency tables; using spreadsheets; stem and leaf diagrams; pie charts; bar charts; frequency polygons; histograms; time series; comparing distributions; scatter graphs.</p>	<p>Your daughter will be studying number and shape and space units of work. This will include: calculations with fractions; conversions between fractions, decimals and percentages; fractions and the four rules; converting between fractions and recurring decimals (and visa versa); percentage calculations; simplifying ratios; dividing a quantity in a given ratio and direct proportion. In the shape unit the students will learn about: Classifying shapes; angle rules; polygons; Pythagoras' theorem and trigonometry.</p>

<p>MUSIC (1 hour per week)</p> 	<p>In the first term of year 9, students begin by studying music for film and TV, including composing their own underscore for a horror scene from the first Harry Potter film. They then go on to look at African music, creating an African drumming performance and studying the use of polyrhythm and polymeter in music from the African subcontinent.</p>	<p>In the Spring term, students return to pop song, now writing their own songs for performance and to be recorded for a class album. This is followed by a unit on music written by London-based composers and artists. Students will study a variety of different pieces and genres, completing mini composition tasks to explore the features of each.</p>	<p>In the final term of the year, students look at music of the twentieth century, focusing on modern music styles including expressionism, experimental music and minimalism. They finish the year with a unit on radio shows, in which they put together their own shows, complete with jingles, using computer technology.</p>
<p>PHYSICAL EDUCATION (2 hours per week)</p> 	<p>During the Autumn term pupils will study netball, badminton and Outdoor Adventurous Activities. Pupils will be expected to build on their skills, performing with consistent precision, control and fluency in a widening range of situations. They will also develop their teamwork and communication skills.</p>	<p>During the Spring term pupils will study dance and fitness. Pupils will be expected to build on their skills, performing with consistent precision, control and fluency in a widening range of situations.</p>	<p>In the Summer pupils study athletics and rounders. The majority of the athletics disciplines will be covered and pupil will be expected to show a good understanding of each technique, tactics and event rules, and then use this knowledge to effectively coach others.</p>
<p>PHYSICS GCSE (1 hour per week)</p> 	<p>Students start with the concept of vectors considered through the topics of motion in one dimension and forces. Students learn to add, subtract and resolve vectors (students are walked through the use of trigonometric ratios.) Students cover motion graphs and Newton's Laws of Motion. Students are also introduced to the constant acceleration equations.</p>	<p>Students build on last term's work with the study of projectile motion (motion in two dimensions). Students also cover Hooke's Law. Students then go on to study the Laws of the Conservation of Momentum and Energy. Students will need to be able to calculate momentum, kinetic energy, gravitational potential energy and work done. Car safety and global energy issues are also discussed.</p>	<p>Students identify the characteristics of waves (both transverse and longitudinal) and how we measure them. Students will learn the relationship between the speed of a wave, its frequency and its wavelength. Students will study reflection, refraction and diffraction. Students will also consider uses of waves including imaging and communication.</p>

<p>PRODUCT DESIGN (90 minutes per week)</p> 	<p>Students will work through three modules over the year in Food Studies, Product Design and Visual Arts Technology. The National Curriculum focus is industrial applications of technology. In Product Design students will be encouraged to manufacture products suitable for a mini enterprise business. Using CAD/CAM to introduce control in industrial systems such as moulds, students will design and plan a batch production of a decorative product and the publicity needed to introduce it to the market. Students will undertake a cross-curriculum DT project, based on ready meals and packaging. They will also learn new graphic techniques.</p> <p>The Visual Arts Technology course will advance in complexity enabling the students to explore more sophisticated cross curricular opportunities in not only DT, Computing and Art but other subjects as well. The course aims to support students in developing skills that will help them to thrive in our advancing technological world. In VA, the students will particularly explore experimental work in textiles this year.</p>		
<p>RELIGIOUS STUDIES (1 hour per week)</p> 	<p>The main theme for Year 9 is concerned with making choices in life and taking responsibility. The Autumn Term begins with an introduction to Sikhism and the Khalsa, followed by examining religious milestones such as Infant and Believers' Baptism, and Confirmation in Christianity, and Bar Mitzvah in Judaism.</p>	<p>The main theme for Year 9 is concerned with making choices in life and taking responsibility. In the Spring Term infant ceremonies in Judaism and Islam are examined followed by an exploration of the importance of Marriage ceremonies and divorce provisions in different religious traditions.</p>	<p>The main theme for Year 9 is concerned with making choices in life and taking responsibility. The Summer Term continues to look at the concept of marriage and then moves on to examine beliefs about Life after Death. Finally the year concludes with an introduction to the varieties of Spiritual Life.</p>