

Autumn Term / Curriculum Overview

Year 10



English	<p>A Christmas Carol by Charles Dickens Students will read Charles Dickens' A Christmas Carol in full, exploring how Dickens presents Scrooge's transformation. They will also encounter relevant information about life in Victorian England, considering how Dickens is using the text to comment on society at the time. After their studies of the novella, students will use the text's themes as the basis for their own pieces of persuasive writing.</p>
Mathematics	<p>Co-ordinates and linear graphs Rounding and bounds Collecting and representing data Sequences Perimeter and Area .</p> <p>Working with circles Ratio and Proportion Real Life Graphs Properties of polygons Equations</p>
Science	<p>Pupils will cover the following topics in Science: Biology; Chemistry Physics</p> <p>Quantitative Chemistry; Chemical Changes; Atomic Structure;</p>
History	<p>British Thematic Study: Unit 2 (81452) / AA Britain: Health and the people: c1000 to the present day Key skills: Chronology / Enquiry / Continuity and Change / Significance / Making Connections / Drawing Contrasts Key Content Areas Included: Medicine stands still: Medieval/Middle Ages, C1000 – 1500 The beginnings of change: The Renaissance/Early Modern Period, 1500 – 1800 A revolution in medicine: Industrial Period/C19th, 1800 – 1900 / Modern medicine: 1900 – Present Day</p>
Geography	<p>Introduction to GCSE Geography / required skills and writing techniques. Climate change: Global warming, The Greenhouse Effect, Climate change impacts on wildlife, habitats and tourism. A low carbon future. Reducing the risk of climate change. Coasts: Weathering and erosion, Mass movement and caves, Headlands and bays, Transportation / Longshore Drift and spits. Beaches and estuaries, Hard and soft engineering, Shoreline Management Plans, Extreme weather events, Climate change and coasts, Exam question practice. Water management: How water supply and demand is changing. Impacts of over-abstraction. How water supplies are managed in the UK. Why water conflict occurs.</p>
Spanish	<p>Unit 1: Identity and relationships with others Describing physical appearance, describing yourself and personality, marital status, family relationships, what makes a good friend. Grammar: using verbs <i>ser/estar, ir, hacer, tener</i> and <i>salir</i>, reflexive verbs.</p> <p>Unit 2: Healthy living and lifestyle Healthy lifestyle, keeping fit, going out to eat, different diets, Grammar: Question words, <i>tener</i> expressions, radically changing verbs, <i>tener</i> and <i>deber que</i>, subject pronouns, immediate future tense</p>
French	<p>Unit 1: Identity and relationships with others Describing physical appearance, describing yourself and personality, marital status, family relationships, family. Grammar: Present tense, reflexive verbs, position of adjectives, adjective agreement.</p> <p>Unit 2: Healthy living and lifestyle Food preferences, health problems and additions, lifestyle choices and habits, recent activities in past. Grammar: Position of adverb, negative sentences, plural nouns, near future tense, perfect tense (past).</p>
Religious Studies	<p>Christianity - Christian Beliefs: Trinity/Creation/Salvation/Incarnation/Atonement/Eschatology/Problem of Evil/Last Days of Jesus Christianity - Marriage and the Family: Marriage/Sexual Relationship/Families/Family Types/Divorce/Parish</p>
Product Design	<p>Cabinet: application of design / construction techniques Unit 3 Materials Theory: Developments in modern and smart materials; composite materials and technical textiles; the categorisation of the types and properties of materials; the sources, origins, physical and working properties of the material categories or the components and systems, and their ecological and social footprint Unit 1 New & Emerging Technologies: the impact of new and emerging technologies on industry, enterprise, sustainability, people, culture, society and the environment, production techniques and systems.</p>
Food Technology	<p>Commodity 1: Fruit and vegetables, including potatoes (fresh, frozen, dried, canned and juiced) / Preparation and practical cooking of commodity; Provenance; How commodity is grown/reared and processed; Classification; Nutritional values (include sources, functions, deficiencies, excess, daily requirements); Dietary considerations; Food science. Commodity 2: Milk, cheese and yoghurt / Preparation and practical cooking of commodity; Provenance; How commodity is grown/reared and processed; Classification; Nutritional values (include sources, functions, deficiencies, excess, daily requirements); Dietary considerations; Food science. NEA Assessment 1 practice investigation: Food hygiene and safety; Storage.</p>
Computer Science	<p>1 Binary and denary 2 Introduction to programming 3 Hex and Ascii 4 String manipulation and selection 5 Secondary storage and FDE cycle 6 Arrays and two D arrays</p> <p>7 Operating systems and utilities 8 Loops, procedures and functions 9 Types of sorting algorithms 10 Malware 11 Python turtle 12 LAN, WAN and wireless technology</p>
Art	<p>Project 1 - Coursework (60% of overall GCSE) THEME = REFLECTIONS. GCSE Art is one continuing project throughout year 10 and 11 .In Year 10, pupils work independently, guided by teachers to develop their own skills and artistry. Work may differ slightly dependent on pupils' skills and interests. Autumn Term Focus: Investigating ideas within the theme of sunflowers and experiment with ideas and materials used for drawing and painting. Students will be investigating a number of different artists including Van Gogh, Piet Mondrian and Ricardo Chavez Mendez.</p>
Drama	<p>Component 2: Devising Thematic Creation and performance of a monologue script from a stimulus. Component 1 and 3: Blood Brothers. Responding to drama, knowing and understanding social, historical and cultural contexts including the theatrical conventions of the period in which the performance texts were created.</p>
Physical Education	<p>Structure & Function of the Skeletal System: Bones in the body / Functions of the skeleton / Movement at joints / Tendons, ligaments and cartilage / Major muscles in the body / Antagonistic pairs / Planes of movement / Axis of rotation / The lever system/cardiorespiratory system/effects of exercise on the body systems. Student will start their NEA coursework.</p>
Music	<p>Music for Stage and Screen: Set Work – Defying Gravity and Star Wars Ensemble Performance Solo Performance</p>