

Autumn term - Curriculum Overview

Year 11

CORE

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.	
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 mass and weight, balanced forces, density, floating and sinking , <i>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: Who was to blame for the Cold War, <i>the development of the Cold War, and the transformation of the Cold War</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>

Spanish

Home, Town and 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 *accommodation, countries, geographical features, places in a town, directions and positives and negatives of a town*. In the second half term they move on to **Festivals and Health**, again learning vocabulary related to *routines, illnesses and injuries, body parts, food and drink, and festivals and events*.

Grammatical and linguistic focus. In exploring these topics, pupils will learn the following key knowledge:

Stem changing verbs
Reflexive verbs
Quantities
Formation of passive verbs
The superlative
Expressions and the infinitive
Saber vs. Conocer
Indirect object pronouns
The conditional tense
Commands
Usted forms
Se puede + infinitive
Infinitive structures, including 'soler' and 'al' / 'sin'
Impersonal verbs (doler)

French

Holidays is our topic for the first half term. Pupils will learn vocabulary and explore language needed to speak, write, listen, and read about *countries and locations, transport, accommodation and facilities, ideal holidays, problems, food and shopping*. In the second half term they move on to **School and Health**, again learning vocabulary related to *subjects, the school day, teachers and pupils, rules, uniform, school trips, healthy living, diet, vices, injuries, illnesses and remedies*.

Grammatical and linguistic focus. In exploring these topics, pupils will learn the following key knowledge:

Present tense - 3rd person singular and plural
Infinitive constructions
Imperatives
Adverbs
Simple future tense
Pronoun 'on'
Reflexive verbs (present and perfect tense)
Conditional tense
En + present participle
Avant de + infinitive
Demonstrative adjectives and pronouns
Pluperfect tense

Religious Studies

In the first half term - *sacraments, worship, prayer, pilgrimage, worldwide church, and worship*.

In the second half term - **Marriage and the Family:** *families, family planning, marriage, equality, and gender prejudice*.

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: *identifying and investigating design possibilities, identifying a client, producing a design brief and specification, generating ideas, and developing design ideas.*

Business Pupils will study **unit 5 Marketing** and learn the following: identifying and understanding customer needs, market segmentation, the purpose and methods of market research, the marketing mix to include product - looking at a balanced portfolio and the boston matrix, pricing strategies, promotional methods and place - how to distribute the product/service.

BTEC Tech Award in Enterprise Pupils begin with **component 1, exploring enterprises**. Pupils will conduct independent research into a business within one of the four sectors prescribed by the exam board. Pupils will then complete their coursework focusing on the following areas: understand how and why enterprises and entrepreneurs are successful, the impact of the skills and characteristics of the entrepreneur associated with the success of the business, understand customer needs and competitive behaviour through market research, complete a PEST analysis and SWOT analysis of the chosen enterprise.

Food Technology Year 11 begins with a practical coursework component that focuses on **demonstrating technical skills**. Key knowledge and skills include: *understanding of ingredients, safety, and hygiene; use of different equipment; technical skills; and evaluation.* As they move into the second half term, they will plan for their final menu and include: *research, justification of the final dishes, a time plan, food and safety principles, cooking and presenting food.* They will conclude by *evaluating sensory properties, nutritional value, provenance and cost.*

Computer Science Programming: 2.1 Algorithms, 2.2 Programming Fundamentals, 2.3 Boolean logic, Programming languages and integrated development environments. Full details of each module can be seen at: https://woldslearningpartnership.sharepoint.com/sites/WLG_Subjects_CS/SitePages/Computer-Science-KS4-Lessons.aspx

ICT **Understand how data and information can be collected, stored and used.** Key knowledge includes:
The methods used to collect data and store data/information and the IT used to support data collection
Different storage methods and the appropriateness of the use of these in context
The use of data, the applications and interaction of data stores and the benefits and drawbacks of the use of data

Understanding the factors to be considered when collecting and processing data and storing data/information. Key content includes:
Types of threats
The vulnerabilities that can be exploited in a cyber-security attack
The impacts and consequences of a cyber-security attack
Prevention measures
Current relevant IT legislation, its implications and applications
4.6 The importance of validity, reliability and bias when collecting and using data and information

PERFORMANCE

Art In the first half term of year 11, pupils will be working on the **final pieces for coursework project 2**. From November until the end of December, pupils will be developing this final-piece and also **re-visiting coursework** before the final coursework deadline of 8th January. This is when component 2 will commence which is worth 40% of the GCSE qualification.

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. *In this term they will study online media, including the representation of Marcus Rashdon, and also the medium of radio.*

Physical Education

This term pupils will study toward key exam topic areas such as:
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.
They will also work toward completing their NEA Coursework.

Music

Preparation for final examinations to focus on the set work '**Samba Em Preludio**' and, in wider study of **fusion music**. **NEA Set Brief** work for composition. Opportunities to perform both as a soloist and a member of an ensemble to go towards NEA Performing portfolio.