

# **THE BRITISH SCHOOL OF GRAN CANARIA**



## **SUMMARY OF SUBJECT CONTENT**

**KEY STAGE 4  
Y10-Y11**

**ACADEMIC YEAR 2025-2026**

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## ART

KS4 follows the same basic lay out at the previous key stages but the work is more in depth and the standards much higher. Work at this level also tackles some more mature themes. Students are encouraged to take more ownership of their work and contribute more of their own style and ideas to projects. Throughout Y10 the students produce possible work for their IGCSE (Cambridge IGCSE Art and Design) coursework, this is on a subject of their own choosing and could utilise anything they have previously had experience in. The students decided on their own artists and materials and create interesting personal projects. They are then given the IGCSE exam questions in January. These projects must start from an externally set question but can evolve to the students own personal ideas and tastes, again the students decide on their own research and materials and produce highly personal work. The externally set assignment ends with an 8h exam in the Art room where students produce their final piece.

### **Topic List Y10**

#### **Term 1**

- Project 1 theme Structure

#### **Term 2**

- Continuing Project 1

#### **Term 3**

- Project 2, Self-Directed

### **Topic List Y11**

#### **Term 1**

- Coursework

#### **Term 2**

- Exam Project

#### **Term 3**

- Exam

## BUSINESS STUDIES

Over the two years students study six units, outlined below. In their studies of these topics students will cover a variety of topics including business ownership, motivating workers, management techniques, marketing strategy, production systems, cash flow forecasting and governmental, environmental and ethical influences on business. An IGCSE in Business Studies provides a firm foundation for further study in the subject and related courses such as Accountancy, Management, Marketing or Human Resources and can move you towards careers in the following areas, business management; government; entrepreneurship and market research; banking and finance; management consultancy and teaching. The course also provides a sound grounding in becoming a more informed, responsible consumer and is also an ideal preparation for the world of work

### **Topic List Y10**

#### **Term 1**

- **Understanding business activity**
- Business activity
- Classification of businesses
- Enterprise, business growth and size
- Types of business organisation
- Business objectives and stakeholder objectives

#### **Term 2**

- **People in business**
- Motivating employees
- Organisation and management
- Recruitment, selection and training of workers
- Internal and external communication

#### **Term 3**

- **Marketing**
- Marketing, competition and the customer
- Market research
- Marketing mix
- Marketing strategy

**Topic List Y11****Term 1**

- **Operations management**
- Production of goods and services
- Costs, scale of production and break-even analysis
- Achieving quality production
- Location decisions

**Term 2**

- **Financial information and decisions**
- Business finance: needs and sources
- Cash-flow forecasting and working capital
- Income statements
- Statement of financial position
- Analysis of accounts

**Term 3**

- **External influences on business activity**
- Economic issues
- Environmental and ethical issues
- Business and the international economy

## ENGLISH LANGUAGE

Throughout their two-year study of Cambridge IGCSE English Language (0990), students will develop the ability to communicate clearly, accurately and effectively when speaking, reading and writing. They will be exposed to a wide range of vocabulary through challenging non-fiction and fiction texts, encouraging discussion of identity, diversity and moral responsibility. The course enables students to hone their writing craft, developing a personal style and an awareness of the audience being addressed. In their writing, students are expected to incorporate tier 2 vocabulary alongside accurate grammar, spelling and punctuation.

### **Topic List Y10**

#### **Term 1**

- Descriptive and narrative writing

#### **Term 2**

- Transactional writing

#### **Term 3**

- Review of skills learnt

### **Topic List Y11**

#### **Term 1**

- Comprehension and summary skills. Analysis. Transactional writing and reading skills.

#### **Term 2**

- Transactional writing and reading skills.

#### **Term 3**

- Revision

## ENGLISH LITERATURE

Students continue to build on the knowledge and skills they have developed at Key Stage 3 as they prepare for the Edexcel English Literature course (4ET1). The syllabus enables learners to read, interpret and evaluate texts through the study of literature in English. Students develop an understanding of literal meaning, relevant contexts and of the deeper themes or attitudes that may be expressed. Through their studies, they learn to recognise and appreciate the ways in which writers use language, structure and form to achieve a range of effects, and will be able to present an informed, personal response to the material they have studied.

The study of literature also encourages the exploration of wider and universal issues, promoting learners' better understanding of themselves and of the world around them.

### Topic List Y10

#### **Term 1**

- Poetry anthology

#### **Term 2**

- Modern drama – *An Inspector Calls*

#### **Term 3**

- Modern prose – *Of Mice and Men*

### Topic List Y11

#### **Term 1**

- Shakespeare - *Macbeth*

#### **Term 2**

- Unseen poetry

#### **Term 3**

- Revision

## FRENCH

The IGCSE course further develops the language acquired in previous years in the context of everyday life situations and topics. The language is acquired through the skills of SPEAKING, LISTENING, READING and WRITING, and throughout the course the exercises and tasks for practice and consolidation are carried out using these four communication skills, through activities such as role-plays, dialogues, listening to conversations, reading a variety of texts and writing paragraphs.

They will focus on understanding their mistakes and correcting themselves in order to be able to produce high level of French by the end of Y11 when they will sit their IGCSE exams.

### Topic List Y10

#### **Term 1**

- Talking about yourself and family
- Everyday life
- Life in France
- Physical description
- Town
- Directions
- Accommodation

#### **Term 2**

- Living in town vs in countryside
- Environmental issues
- Transport and issues in town
- Future plans (holidays/weekends...)
- TV programs
- Household tasks

#### **Term 3**

- Daily routine
- School: in general and school rules
- Shopping for clothes
- Revision of food
- Healthy eating

### Topic List Y11

#### **Term 1**

- Health and teenager issues
- Education and future plans, work experience, chores and pocket money

#### **Term 2**

- Leisure activities and sport
- Holidays
- Oral examination

#### **Term 3**

- Revisions and exam preparations.



## GEOGRAPHY

Throughout the Cambridge IGCSE Geography course, students will develop a 'sense of place' by looking at the world around them on a local, regional and global scale. They will examine a range of natural environments including the formation of volcanoes, rivers and coastal landforms. Man-made environments will also be covered which includes for example the growth of megacities, and world population. They will also look at the ways in which people interact with their environment and the opportunities and challenges an environment can present, thereby gaining a deeper insight into the different communities and cultures that exist around the world. As part of their course students are expected to complete at least two full days of fieldwork. This fieldwork is based on interpreting and analysing geographical information, planning and decision making and the application of graphical and other techniques as appropriate to the fieldwork chosen.

### Topic List Y10

#### **Term 1**

- Population growth & policy
- International & internal migration
- Settlement
- Urban settlement & growth of megacities

#### **Term 2**

- Plate Tectonics
- Rivers & Hydrology
- River hazards & Management

#### **Term 3**

- Coral Reefs
- Coasts
- Coastal Hazards & Management

### Topic List Y11

#### **Term 1**

- Map Skills
- Fieldwork
- Fieldwork Techniques & planning
- Compulsory Fieldwork Trip
- Weather & Climate
- Tropical Rainforests & Hot Deserts

#### **Term 2**

- International Development
- Global Inequality
- Transnational Corporations
- Food production & shortages

#### **Term 3**

- Growth of industry & tourism
- Natural Resources: Water & Energy
- Environmental impacts of economic development

## GERMAN

The IGCSE course further develops the language acquired in previous years in the context of everyday life situations and topics. The language is acquired through the skills of SPEAKING, LISTENING, READING and WRITING, and throughout the course the exercises and tasks for practice and consolidation are carried out using these four communication skills, through activities such as role-plays listening to CDs, reading a variety of texts and writing e-mails or blogs.

### Topic List Y10

#### **Term 1**

- Yourself, family, friends
- Daily routine
- Household chores
- Describing a city
- Directions
- Transport

#### **Term 2**

- Sport
- Healthy lifestyle
- Injuries
- Food, healthy eating
- Order food and complain

#### **Term 3**

- Meeting people
- Shopping
- Internet
- Festivals
- Media

### Topic List Y11

#### **Term 1**

- Holiday destinations
- Opinions
- Past holiday
- Environment
- Recycling
- Eco-tourism

#### **Term 2**

- School life
- Money part-time jobs
- Work experience
- Future career
- Oral exams

#### **Term 3**

- Revision and exam preparation

## HISTORY

The study of History at IGCSE will enable students to study recent major world events which are still very pertinent to their lives today, such as the Cold War between the U.S. and the U.S.S.R. and the development of the consumer society. Students will cover two areas of study: Core Content, International Relations 1919-1991, covering world events throughout the 20th century and a Depth Study; an in depth study of the US 1919-41, covering the causes of the economic boom and the impact of the Great Depression. Whilst studying History Students will develop advanced source analysis skills, reasoning and analytical skills, communication and group work expertise, independent learning techniques and improve their ability to think and write logically and precisely whilst handling large quantities of historical evidence.

### **Topic List Y10**

#### **Term 1**

- Were the Peace Treaties of 1919-1923 fair?
- To what extent was the League of Nations a success?

#### **Term 2**

- Why had international peace collapsed by 1939?
- Who was to blame for the Cold War?

#### **Term 3**

- How effectively did the USA contain the spread of Communism?

### **Topic List Y11**

#### **Term 1**

- How secure was the USSR's control over Eastern Europe, 1948-1989?
- How far did the U.S. economy boom in the 1920s?

#### **Term 2**

- How far did U.S. society change in the 1920s?
- What were the causes and consequences of the Wall Street Crash?

#### **Term 3**

- How successful was the New Deal?

## COMPUTER SCIENCE

Pupils will learn Computer Science following the Cambridge Syllabus. Rather than learning how to use software etc as in the previous ICT course pupils will learn how to programme software and problem solve using code. The aims are to develop:

- computational thinking, that is thinking about what can be computed and how, and includes consideration of the data required
- understanding of the main principles of solving problems by using computers
- understanding that every computer system is made up of sub-systems, which in turn consist of further sub-systems
- understanding of the component parts of computer systems and how they interrelate, including software, data, hardware, communications and people
- skills necessary to apply understanding to solve computer-based problems using a high-level programming language.

### **Topic List Y10**

#### **Term 1**

- History of Computers and its components
- Numbers, processors and operating systems
- Data Storage

#### **Term 2**

- Digital Currency
- Binary Logic
- Practical Problem Solving

#### **Term 3**

- Exam Technique
- Past exam paper questions

### **Topic List Y11**

#### **Term 1**

- Pseudocode
- Programming Concepts
- Databases

#### **Term 2**

- Programming based on scenarios

#### **Term 3**

- Exam Technique
- Revision and Knowledge
- Past exam paper questions

## LENGUA CASTELLANA Y LITERATURA

At this level, the main focus of the subject is the preparation of IGCSE exams that students sit at the end of Year 11. Therefore, during Key Stage 4 the aim is to introduce the elements which will help the students to be successful in these examinations.

By the end of Year 10 students will have already covered the contents and skills needed to fulfill some sections of these IGCSEs. The main text types are studied and practiced throughout Year 10 and students also learn the basics of literary texts analysis. All these text types and skills are revised and more deeply looked at again in Year 11. For validation purposes, all students need to pass Lengua Castellana y Literatura internally.

### Topic List Y10

#### Term 1

- **LITERATURA:** El efecto y los recursos literarios. El valor de las palabras. El comentario de recursos literarios. El mundo medieval y su literatura: *Cantar de mio Cid*.
- **CREACIÓN TEXTUAL:** Cuestiones teórico-prácticas y creación de textos descriptivos.

#### Term 2

- **CREACIÓN TEXTUAL:** Cuestiones teórico-prácticas y creación de textos dialogados y narrativos.
- **LITERATURA:** El mester de clerecía (*El Libro de Buen Amor*). Jorge Manrique y las *Coplas a la Muerte de su Padre*.

#### Term 3

- **CREACIÓN TEXTUAL:** Cuestiones teórico-prácticas y creación de textos expositivo-argumentativos  
Géneros textuales: la carta formal, el informe y el artículo.
- **LITERATURA:** Comentario literario de la primera obra establecida para el IGCSE en Literatura Española (CIE 0488).

<b>Topic List Y11 – IGCSE SPANISH LANGUAGE (CIE 0502)</b>	
<b>PRIMER TRIMESTRE</b>	<ol style="list-style-type: none"> <li>1. Esquema general de los tipos de texto. Diagnósis y reconocimiento textual. El sentido de la audiencia. Creación textual.</li> </ol>
	<b>ESTRATEGIAS DE COMPRENSIÓN LECTORA</b>
	<ol style="list-style-type: none"> <li>1. La actividad intelectual de la lectura. Malos hábitos lectores.</li> <li>2. Técnicas para deducir el vocabulario desconocido de un texto: texto, contexto, etimología, connotaciones.</li> <li>3. El significado denotativo y connotativo. La definición.</li> <li>4. Identificación del tema general y los subtemas de un texto.</li> <li>5. Búsqueda de datos concretos en el texto.</li> <li>6. La formulación de respuestas completas. La paráfrasis.</li> <li>7. El resumen. Conectores. Estrategias de examen.</li> </ol>
<b>SEGUNDO TRIMESTRE</b>	<b>ESTRATEGIAS DE EXPRESIÓN ESCRITA</b>
	<ol style="list-style-type: none"> <li>1. La descripción. Objetividad y subjetividad en la descripción. Tipos de descripción. Creación de descripción de personas. La descripción de ambientes. Las emociones y sentimientos en la descripción.</li> <li>2. El diálogo. Cuestiones ortográficas. Verbos de dicción. Creación textual.</li> <li>3. La narración. Elementos y estructura. El proceso de creación de una narración. Características lingüísticas.</li> <li>4. La argumentación: estructura y características. La tesis y los argumentos. Redacción de textos argumentativos</li> <li>5. Géneros textuales: la carta formal, el informe, el artículo periodístico.</li> </ol>
<b>TERCER TRIMESTRE</b>	<b>PRÁCTICAS DE EXAMEN</b>
	<ol style="list-style-type: none"> <li>2. Práctica de examen de Comprensión Lectora (Paper 1)</li> <li>3. Práctica de examen de Expresión Escrita (Paper 2).</li> </ol>

**Y11 – IGCSE LITERATURE IN SPANISH (CIE 0474)**

**Term 1**

- **OBRAS ESTUDIADAS:** Estudio de dos de las obras incluidas en el temario oficial publicado por CIE (IGCSE Spanish Literature - 0488).
- **CONTENIDO:** El comentario de recursos literarios. Estructura y creación.

**Term 2**

- **OBRAS ESTUDIADAS:** Estudio de una tercera obra incluida en el temario oficial publicado por CIE.
- **CONTENIDO:** La argumentación literaria. Estructura y creación.

**Term 3**

- **CONTENIDO:** Paper 3 (Unseen text). Práctica.

## MATHEMATICS

The Pearson Edexcel International GCSE in Mathematics (Specification A) qualification

enables students to:

- develop their knowledge and understanding of mathematical concepts and techniques
- acquire a foundation of mathematical skills for further study in the subject or related areas
- enjoy using and applying mathematical techniques and concepts, and become confident in using mathematics to solve problems
- appreciate the importance of mathematics in society, employment and study.

At BSGC all students follow the Higher course. Depending on progress monitored throughout the course, and with consultation with pupils and parents, a decision is then made about entry for either Higher or Foundation Mathematics. We strongly encourage all students to continue aiming for the highest grades.

### Topic List Y10

#### **Term 1**

**Number 1:** Fractions, decimals, percentages, rounding

**Algebra 1:** Simplifying, brackets, solving

**Graphs 1:** Gradient, plotting, conversions

**Shape and Space 1:** Polygons, similarity

**Sets 1:** Notation and Venn diagrams

**Number 2:** Standard form, percentages

**Algebra 2:** Simplifying, solving with powers, integers, inequalities

**Graphs 2:** Linear graphs, sketching, simultaneous

**Shape and space 2:** Pythagoras, circle theorems

**Handling Data 1:** Investigation, data presentation, averages

#### **Term 2**

**Number 3:** Primes, HCF, LCM, Ratio

**Algebra 3:** Factorising, equations with fractions, simultaneous equations

**Graphs 3:** Distance-time, speed-time

**Shape and Space 3:** Tangent ratio

**Handling Data 2:** Frequency tables, discrete and continuous

**Number 4:** Compound percentage, inverse percentage

**Algebra 4:** Formulae, rearranging

**Graphs 4:** Quadratic graphs

**Shape and space 4:** Sine and cosine ratios

**Handling Data 3:** Measures of dispersion, cumulative frequency, box plots

#### **Term 3**

**Number 5:** Calculators, estimating, rounding, bounds

**Algebra 5:** multiplying brackets, factorising quadratics, solving

**Graphs 5:** Inequalities, perpendicular lines, mid-point, solve by factorising

**Shape and Space 5:** Transformations

**Handling Data 4:** Probability



## **Topic List Y11**

### **Term 1**

**Number 6:** Proportion, indices

**Algebra 6:** Proportion, indices

**Sequences:** Formulae, sum

**Shape and space 6:** Circle theorems

**Sets 2:** Three-set problems, notation

**Number 7:** Recurring decimals, calculators

**Algebra 7:** Solving quadratics

**Graphs 6:** Cubic, reciprocal

**Shape and Space 7:** Circles, solids, similarity

**Sets 3:** Probability and Venn diagrams

**Number 8:** Units of length, area, volume

**Algebra 8:** Functions

**Graphs 7:** Solve equations graphically

**Shape and space 8:** Vectors

**Handling Data 5:** Tree diagrams

### **Term 2**

**Number 9:** Costs, taxation, salary, currency

**Algebra 9:** Non-linear simultaneous equations, proof

**Graphs 8:** Gradient of curves, transformations

**Shape and Space 9:** 3D

trigonometry

**Handling data 6:** Histograms

**Number 10:** Rational/irrational numbers, surds

**Algebra 10:** Algebraic fractions

**Graphs 9:** Gradient function, differentiation, motion of a particle

**Shape and space 10:** Trigonometric graphs, sine and cosine rules, area of a triangle

**Handling Data 7:** Further probability problems

### **Term 3**

- Focus on review of all topics
- Preparation for summer exams
- Practice papers
- Revision

## MUSIC

Learners studying Cambridge IGCSE (9–1) Music (0978) are given the opportunity to:

- listen to and learn about music from a wide range of historical periods and major world cultures,
- develop their skills in performing music, both individually and in a group with other musicians,
- develop their skills in composing music in a style of their own choice.

The subject is divided into the following topics, which are developed through the two-year course:

- General Listening Skills
- Western Tradition
- World Music
- Set Works
- Composing
- Performing

### **Topic List Y10**

#### **Term 1**

- General Listening Skills
  - Rudiments
  - Melody and Rhythm
  - Harmony
- Western Tradition
  - Baroque
  - Classical
  - Romantic
- Composing
  - Song writing
  - Classical version
- Performing
  - Christmas Concert (in ensemble)

#### **Term 2**

- General Listening Skills
  - Texture and Timbre
  - Ensembles
- World Music
  - African and Arab
  - Latin American
  - Chinese
  - Japanese
  - Indian
  - Indonesian
- Composing
  - Latin American inspired
  - Pentatonic Scale
- Performing
  - Easter Concert (individual)

#### **Term 3**

- General Listening Skills
  - Structure
  - Compositional techniques
- Set Work
  - Beethoven 5th Symphony (movements 1 and 2) - Exam June 2024
  - Beethoven 5th Symphony (movements 3 and 4) - Exam June 2025
- Composing
  - Film music
  - Independent
- Performing

### **Topic List Y11**

#### **Term 1**

- General Listening Skills
- Genre
- Western Tradition (20th Century)
- Minimalism
- Impressionism
- Neo-classical
- Jazz
- Composing
- IGCSE Composition 1
- Performing
- Christmas Concert (in ensemble)

#### **Term 2**

- General Listening Skills
- Instrumental/ vocal effects
- World Music Focus
- Latin American - Exam June 2024
- Chinese - Exam June 2025
- Composing
- IGCSE Composition 2
- Performing
- Easter Concert (individual)
- IGCSE Recordings

#### **Term 3**

- Revision
- Past papers practice

## PHYSICAL EDUCATION

Cambridge IGCSE (9–1) Physical Education is accepted by universities and employers as proof of knowledge and understanding of Physical Education.

The Cambridge IGCSE (9–1) Physical Education syllabus encourages learners to develop:

- Knowledge, skills and understanding of a range of relevant physical activities.
- An ability to plan, perform and evaluate physical activities.
- An understanding of effective and safe performance.
- An understanding of the role of sport and physical activity in society and in the wider world.
- An excellent foundation for advanced study.
- An enjoyment of physical activity.

Over the course of the IGCSE Physical Education syllabus we will cover four units: Anatomy and physiology; Health, fitness and training; Skill acquisition and psychology; Social cultural and ethical influences.

### Y10 GCSE TOPIC LIST

#### **Term 1**

- Health and Wellbeing Training

#### **Term 2**

- The Skeletal System
- Muscular System
- Respiratory System

#### **Term 3**

- Circulatory System
- Energy Supply
- Simple Biomechanics

### Y11 GCSE TOPIC LIST

#### **Term 1**

- Social and Cultural Influences.

#### **Term 2**

- Skill Acquisition.
- Psychology

#### **Term 3**

- IGCSE PE Revision:
- Anatomy and Physiology
  - Health, Fitness and Training.
  - Skill Acquisition and Psychology.
  - Social Ethical and Cultural Influences.

## DOUBLE AWARD SCIENCE

Students are taught Biology, Chemistry and Physics by subject specialists. In all subjects, students build on the work they have done in their science lessons in previous years. Students carry out practical work throughout the course - this enables students to design investigations, take measurements, present and analyse data, and evaluate scientific evidence. At the end of Year 11 students sit three examinations: a **B**iology paper, a **C**hemistry paper, and a **P**hysics paper – each with a mixture of multiple choice, short and long answer questions. Students receive **two** **I**GCSE grades for Double Award Science.

### **BIOLOGY - Topic List Y10**

#### **Term 1**

##### Cells

- Plant and animal cells
- Movement of molecules

##### Plant nutrition

- Photosynthesis
- Factors affecting photosynthesis
- Rate of photosynthesis

#### **Term 2**

##### Transport

- Transport in plants
- Transpiration
- Rate of water loss
- Blood and circulation

##### Respiration

- Breathing and gas exchange
- Aerobic and anaerobic respiration
- Exercise and breathing rate
- Smoking
- Fermentation

#### **Term 3**

##### Energy flow in ecosystems

- Food chains, webs and pyramids
- Ecology
- Flower structure and pollination

##### Sexual reproduction

- Fertilisation in flowering plants
- The menstrual cycle

**BIOLOGY - Topic List Y11****Term 1**

Coordination and response:

- Nervous coordination
- Hormonal coordination
- Thermoregulation
- Glucoregulation
- Osmoregulation

Inheritance

- DNA and genes
- Mitosis and meiosis
- Alleles
- Monohybrid inheritance
- Natural selection and evolution

**Term 2**

Digestion

- Food chemicals
- Food tests
- Structure of the digestive system
- Digestive enzymes
- Absorption and assimilation

**Term 3**

Past paper practice

**CHEMISTRY - Topic List Y10****Term 1**

- States of matter
- Elements, compounds and mixtures
- Atomic structure
- The periodic table
- Ionic and covalent bonding

**Term 2**

- Groups 1 & 7
- Gases in the atmosphere
- Reactivity series
- Acids and alkalis

**Term 3**

- Acids, alkalis and salts
- Chemical tests

**CHEMISTRY - Topic List Y11****Term 1**

- Chemical formulae, equations and calculations
- Organic chemistry

**Term 2**

- Energetics
- Rates of reactions
- Equilibria

**Term 3**

- Revision

**PHYSICS - Topic List Y10****Term 1**

## Forces &amp; Motion

- Units
- Movement and position
- Forces, movement, and shape

## Electricity

- Mains electricity

**Term 2**

## Electricity

- Energy and voltage in circuits

## Waves

- Properties of waves

**Term 3**

## Waves

- The electromagnetic spectrum
- Light and sound

## Energy resources and transfers

- Energy transfers
- Work and power

**PHYSICS - Topic List Y11****Term 1**

## Solids, liquids and gases

- Density and pressure
- Ideal gas molecules

## Magnetism and

## electromagnetism

- Magnetism
- Electromagnetism
- Electromagnetic induction

**Term 2**

## Radioactivity and particles

- Radioactivity
- Fission and fusion

## Astrophysics

- Motion in the universe
- Stellar evolution

**Term 3**

- Revision

## TRIPLE AWARD SCIENCE

New for academic year 2024-25.

Exceptional students have the opportunity to study an extra 50% of content in addition to their Double Award Science lessons. This will enable students to sit three additional Science examinations at the end of Year 11, leading to them attaining three IGCSEs for the Sciences - one each for Biology, Chemistry and Physics. The extra content covered in Triple Award prepares students better to excel at A-level Science study, and beyond, but is not *essential* for further study in the Sciences.

The additional content includes the Double Award content in more depth, and also some topics which are not covered in Double Award, these are listed below.

### **Triple award - Additional content**

#### **Biology**

- Enzyme activity
- Gas exchange
- Vaccines
- Kidneys
- Hormones
- Genetic material
- Cloning

#### **Chemistry**

- Solubility
- Molar calculations
- Metallic bonding
- Electrolysis
- Extraction and uses of metals
- Energy and enthalpy
- Equilibrium
- Alcohols, Carboxylic acids, Esters and Synthetic polymers

#### **Physics**

- Momentum
- Moments
- Electric charge
- Sound waves
- Energy resources and electricity generation
- Changes of state and specific heat capacity
- Electromagnets and transformer
- Cosmology



## CIENCIAS SOCIALES / SPANISH HUMANITIES

La enseñanza de la materia de Ciencias Sociales, Geografía e Historia en KS4, tiene como objetivo que los estudiantes adquieran los conocimientos, las destrezas y las actitudes necesarias para comprender la realidad del mundo en el que viven, tanto en los aspectos físicos como en los sociales y culturales, las experiencias colectivas pasadas y presentes, así como el espacio en que se desarrolla la vida en sociedad. De esta manera, se pretende que sean conocedores de los rasgos que conforman la identidad histórica y cultural propia desde el ámbito de la experiencia personal y global. Para Y10, se trabajarán los bloques: Geografía, el espacio humano, las actividades económicas, como una etapa de la Historia, la Edad Moderna. En Y11, se estudiará la Edad Contemporánea, la última etapa de la Historia.

El aprendizaje se realizará a través de investigaciones, presentaciones, discusiones, fichas de actividades, con la utilización de diversas herramientas TICs, como con las salidas complementarias.

### **Topic List Y10**

#### **Term 1**

- Ud1. La Edad Moderna. Humanismo y Renacimiento.
- Ud2. Los Reyes Católicos y las grandes exploraciones.
- Ud3. La Europa de Carlos V y Felipe II

#### **Term 2**

- Ud4. El estudio del territorio.
- Ud5. El medio natural.
- Ud6. La población.

#### **Term 3**

- Ud7. Las actividades económicas.
- Ud8. Los espacios agrarios y marinos.
- Ud9. Los espacios mineros e industriales.
- Ud10. El sector terciario.
- Ud11. Las desigualdades económicas en el mundo.

### **Topic List Y11**

#### **Term 1**

- Ud1. El Antiguo Régimen y la Ilustración.
- Ud2. Las revoluciones burguesas. La Guerra de Independencia de España.

#### **Term 2**

- Ud3. Restauración, liberalismo y nacionalismo.
- Ud4. La revolución industrial y la sociedad de clases.

#### **Term 3**

- Ud5. España: La Restauración.
- Ud6. España: Dictadura y democracia. La Guerra Civil española.