THE BRITISH SCHOOL OF GRAN CANARIA



SUMMARY OF SUBJECT CONTENT

KEY STAGE 4 Y10-Y11

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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. At the end of Y10 the students begin 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 2 Term 3 Term 1 Basic elements of Art, Ceramic forms, Printing Processes, Cardboard forms, portraits, Batik, Sewing, Structure project. photography, collage, Botanical drawing, Y11 Introduction to Portrait sculptures. oil pastel. project. **Topic List Y11** Term 1 Term 2 Term 3 Exam Project Coursework 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 Term 2 Term 3 **Understanding business** People in business Marketing activity Motivating workers · Marketing, Business activity Organisation and competition and the Classification of customer management businesses • Recruitment, Market research • Enterprise, business selection and training Marketing mix growth and size of workers Marketing strategy • Types of business • Internal and external organisation communication • Business objectives and stakeholder objectives

Topic List Y11		
Term 1	Term 2	Term 3
Operations management	• Financial information and	• External influences on
• Production of goods	decisions	business activity
and services	• Business finance:	• Economic issues
• Costs, scale of	needs and sources	 Environmental and
production and break-	 Cash-flow forecasting 	ethical issues
even analysis	and working capital	 Business and the
 Achieving quality 	 Income statements 	international economy
production	• Statement of financial	
Location decisions	position	

• Analysis of accounts

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 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	Term 2	Term 3				
Descriptive and	 Transactional writing 	 Comprehension and 				
narrative writing		summary skills				
Topic List Y11						
Term 1	Term 2	Term 3				
Analysis	 Transactional writing 	 Revision 				
	and reading skills					

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	Term 2	Term 3
 Poetry anthology 	• Modern drama – An	Modern prose − Of
	Inspector Calls	Mice and Men
Topic List Y11		
Term 1	Term 2	Term 3
Shakespeare - Macbeth	 Unseen poetry 	Revision

FRENCH

chores and pocket

money

At that level, the student will revise topics they have learnt at KS3 but they will incorporate more advance vocabulary and increase their understanding and production of the language.

They will focus on understanding their mistakes and correct 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 Term 2 Term 3 Talking about yourself Living in town vs in Daily routine and family countryside School: in general and Everyday life **Environmental issues** school rules Life in France Transport and issues in Shopping for clothes Physical description town Revision of food Town Future plans Healthy eating Directions (holidays/weekends...) Accommodation TV programs Household tasks **Topic List Y11** Term 1 Term 2 Term 3 Health and teenager Leisure activities and Revisions and exam issues sport preparations. Education and future Holidays plans, work experience, Oral examination

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 Term 2 Term 3 Population growth & **Plate Tectonics Coral Reefs** Rivers & Hydrology policy Coasts International & internal River hazards & Management Coastal Hazards & migration Management Settlement Urban settlement & growth of megacities

Tonic List V11

10	pic List Y11				
	Term 1		Term 2		Term 3
•	Map Skills	•	International Development	•	Growth of industry &
•	Fieldwork	•	Global Inequality		tourism
•	Fieldwork Techniques &	•	Transnational Corporations	•	Natural Resources:
	planning	•	Food production & shortages		Water & Energy
•	Compulsory Fieldwork			•	Environmental impacts
	Trip				of economic
•	Weather & Climate				development
•	Tropical Rainforests & Hot				
	Deserts				

GERMAN

The IGCSE course introduces the language through modules, each covering an everyday situation. Once the relevant vocabulary, expressions and grammatical structures have been presented, the next stage involves extensive practice which is performed in an enjoyable and meaningful way. 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. Role-plays, dialogues and listening to CDs will form an important part of the lessons.

Topic List Y10 Term 1 Term 2 Term 3 Yourself, family, friends Meeting people Sport Daily routine Healthy lifestyle Shopping Household chores **Injuries** Internet Describing a city Food, healthy eating **Festivals** Directions Order food and complain Media Transport **Topic List Y11** Term 2 Term 3 Term 1 Holiday destinations School life Revision and exam **Opinions** Money+part-time jobs preparation Past holiday Work experience Environment Future career Oral exams Recycling Eco-tourism

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.A. and the U.S.S.R. and the development of the 'consumer society'. 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 Term 2 Term 3 Exam Technique History of Computers Digital Currency and its components **Binary Logic** Past exam paper Numbers, processors Practical Problem questions and operating systems Solving Data Storage **Topic List Y11** Term 1 Term 2 Term 3 Pseudocode Exam Technique Programming based on **Programming Concepts** scenarios Revision and **Databases** 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 CREACIÓN TEXTUAL: recursos literarios. El valor de las palabras. El comentario de recursos literarios. El mundo medieval y su literatura: Cantar de mío Cid.
 - CREACIÓN TEXTUAL: Cuestiones teóricoprácticas y creación de textos descriptivos.

Term 2

- Cuestiones teóricoprácticas 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 teóricoprácticas y creación de textos expositivoargumentativos 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).

Topic List Y11	. – IGCSE SPANISH LANGUAGE (CIE 0502)
PRIMER TRIMESTRE	 Esquema general de los tipos de texto. Diagnosis y reconocimiento textual. El sentido de la audiencia. Creación textual.
	ESTRATEGIAS DE COMPRENSIÓN LECTORA
	 La actividad intelectual de la lectura. Malos hábitos lectores. Técnicas para deducir el vocabulario desconocido de un texto: texto, contexto, etimología, connotaciones. El significado denotativo y connotativo. La definición. Identificación del tema general y los subtemas de un texto. Búsqueda de datos concretos en el texto. La formulación de respuestas completas. La paráfrasis. El resumen. Conectores. Estrategias de examen.
SEGUNDO TRIMESTRE	ESTRATEGIAS DE EXPRESIÓN ESCRITA
	 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. El diálogo. Cuestiones ortográficas. Verbos de dicción. Creación textual. La narración. Elementos y estructura. El proceso de creación de una narración. Características lingüísticas. La argumentación: estructura y características. La tesis y los argumentos. Redacción de textos argumentativos Géneros textuales: la carta formal, el informe, el artículo periodístico.
TERCER TRIMESTRE	PRÁCTICAS DE EXAMEN
	 Práctica de examen de Comprensión Lectora (Paper 1) Práctica de examen de Expresión Escrita (Paper 2).

Y11 – IGCSE SPANISH LITERATURE (CIE 0488)

Term 1

Term 2

Term 3

CONTENIDO: Paper 3

(Unseen text). Práctica.

• OBRAS ESTUDIADAS:

Estudio de dos de las obras incluidas en el temario oficial publicado por CIE (IGCSE Spanish Literature -0488).

• OBRAS ESTUDIADAS:

Estudio de una tercera obra incluida en el temario oficial publicado por CIE.

argumentación literaria.

Estructura y creación.

CONTENIDO: La

• **CONTENIDO:** El comentario

de recursos literarios.

Estructura y creación.

MATHEMATICS

An essential subject for all learners, Cambridge IGCSE Mathematics encourages the development of mathematical knowledge as a key life skill, and as a basis for more advanced study. The syllabus aims to build learners' confidence by helping them develop a feel for numbers, patterns and relationships, and places a strong emphasis on solving problems and presenting and interpreting results. Learners also gain an understanding of how to communicate and reason using mathematical concepts. At BSGC most students follow the Extended course through Year 10 and 11 up to the Mock examinations. Depending on progress and with consultation with Pupils and Parents a decision is then made about final entry for either Extended or Core Mathematics. We strongly encourage all students to continue aiming for the highest grades. Some students will focus on the Core Mathematics course at an earlier stage; decisions will be made in consultation with parents and carers.

Topic Lis	st Y10				
	Term 1		Term 2		Term 3
•	Number 1	• 1	Number 2	•	Algebra 3
0	Use of a calculator	0	Standard form	0	Graphs
0	Arithmetic	0		0	Quadratic equations
0	Rounding and bounds	• ,	Algebra 2	0	Inequalities
0	Fractions	0	Real life graphs		
0	Recurring decimals	0	Simultaneous	•	Focus on review of all
0	Percentages		equations		topics
0	Powers and roots	• 1	Mensuration	•	Preparation for summer
0	Ratio	0	Angles		exams
•	Algebra 1	0	Perimeter, area,	•	Practice papers
0	Expressions		volume	•	Revision
0	Linear Equations	0	Similar shapes		
0	Rearranging formulae	0	Construction and		
0	Proportion		scales		

Topic List Y11

Term 1

- Algebra 1
 - Pre-calculus
 - Differentiation
 - o Sequences
- o Functions
- Geometry
- o Circles
- o Pythagoras
- Trigonometry
- Volume and surface area
- Symmetry
- Transformations
- Vectors

Term 2

- Statistics and probability
- Data representation
- Averages and range
- Cumulative frequency
- o Box and whisker plots
- o Venn diagrams
- o Probability

Term 3

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

MUSIC

Pupils will follow the syllabus for IGCSE music 0978 and focus on the 3 elements of music including listening, performing and composition. Listening- Pupils will cover a range of musical concepts across many different styles. Pupils will be asked to know the definitions of each concept and be able to identify these within the chosen music excerpts. Pupils will also have a world music focus as well as studying and analysing in depth a chosen set work.

Topic List Y10		
Term 1	Term 2	Term 3
• Listening- Vocal unit, •	Listening. •	Listening.
instruments of the •	Instrumental Unit-	Structure- Binary,
orchestra including	Ensembles and voices.	ternary, rondo, theme
techniques and effects. •	Genres (Oratorio,	and variations, ground
 Style (Baroque and 	musical, symphony,	bass.
classical)	concerto) •	Set work.
Program Music- Danse •	Styles- 20 th Century.	Compositional devices
Macabre.	Performing- Solo and	Repetition, imitation,
World Music- Latin	ensemble skill	sequence, canon,
American.	development.	ostinato, drone, alberti
• Theory. •	Performance class	bass, pedal, contrary
 Performing- Solo and 	using the success	motion.
ensemble skill	criteria. •	Class performance in
development. •	Rhumba Composition-	both a solo and
• Composition-	Descant, key change,	ensemble setting.
Introduction to keys,	dynamics and score	
chord progressions and	detail.	
melody writing-	Pupils showing musical	
Rhumba Composition.	potential will be invited	
Involvement in The	to take part in public	
Christmas Concert.	performances.	

Topic List Y11

Term 1

- Free Composition.
- Practical repertoire.
- World Music-Indonesian, gamelan, African, Indian, Chinese, Japanese.
- Set Work.
- Involvement in the Christmas Concert.

Term 2

- Practical Program and class performance.
- Set Work.
- Rudiments for score, key signatures, key, score details.
- Composition completion- 2 contrasting compositions.
- IGCSE practical and composition portfolios to be sent to Cambridge.
- Pupils showing musical potential will be invited to take part in public performances.

Term 3

- Revision of all subject content for Listening under the categories.
 - Rudiments, Harmony,
 Melody and rhythm,
 Ensembles,
 Instrumental effects,
 vocal unit, Structure,
 compositional devices,
 texture, style, genre.
- World music focus and Set Work.
- Practice papers.

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	Term 2	Term 3
Health and Wellbeing	The Skeletal System	Circulatory System
Training	 Muscular System 	 Energy Supply
	Respiratory System	Simple Biomechanics
Y11 GCSE TOPIC LIST		
Term 1	Term 2	Term 3
 Social and Cultural 	• Skill Acquisition.	IGCSE PE Revision:
Influences.	 Psychology 	 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 biology paper, a chemistry paper, and a physics paper – each with a mixture of multiple choice, short and long answer questions. Students receive **two** GCSE grades for Double Award Science.

BIOLO	GY - Topic List Y10		
	Term 1	Term 2	Term 3
Cells		Transport	Energy flow in ecosystems
•	Plant and animal cells	 Transport in plants 	 Food chains, webs and
•	Movement of	 Transpiration 	pyramids
	molecules	 Rate of water loss 	Ecology
Plant r	nutrition	Blood and circulation	Flower structure and
•	Photosynthesis	Respiration	pollination
•	Factors affecting	 Breathing and gas 	Sexual reproduction
	photosynthesis	exchange	 Fertilisation in
•	Rate of photosynthesis	Aerobic and anaerobic	flowering plants
		respiration	The menstrual cycle
		Exercise and breathing	
		rate	
		 Smoking 	
		 Fermentation 	

BIOLOGY - Topic List Y11		
Term 1	Term 2	Term 3
Coordination and response:	Digestion	 Past paper practice
Nervous coordination	 Food chemicals 	
Hormonal coordination	 Food tests 	
 Thermoregulation 	 Structure of the 	
 Glucoregulation 	digestive system	
 Osmoregulation 	 Digestive enzymes 	
Inheritance	 Absorption and 	
 DNA and genes 	assimilation	
Mitosis and meiosis		
 Alleles 		
 Monohybrid 		
inheritance		
Natural selection and		

evolution

CHEMIS	STRY - Topic List Y10				
	Term 1		Term 2		Term 3
•	States of matter	•	Groups 1 & 7	•	Acids, alkalis and salts
•	Elements, compounds	•	Gases in the	•	Chemical tests
	and mixtures		atmosphere		
•	Atomic structure	•	Reactivity series		
•	The periodic table	•	Acids and alkalis		
•	Ionic and covalent				
	bonding				
CHEMIS	STRY - Topic List Y11				
	Term 1		Term 2		Term 3
•	Chemical formulae,	•	Introduction to organic	•	Revision
	equations and		chemistry		
	calculations	•	Crude oil		
•	Energetics	•	Alkanes		
•	Rates of reaction	•	Alkenes		
		•	Synthetic polymers		
PHYSIC	S - Topic List Y10				
	Term 1		Term 2		Term 3
Forces	& Motion	Electric	city	Waves	
•	Units	•	Energy and voltage in	•	The electromagnetic
•	Movement and		circuits		spectrum
	position			•	Light and sound
•	Forces, movement, and		Waves		
	shape	•	Properties of waves	En	ergy resources and
Electric	ity			tra	nsfers
•	Mains electricity			•	Energy transfers
				•	Work and power

PHYSICS - Topic List Y11		
Term 1	Term 2	Term 3
Solids, liquids and gases	Radioactivity and particles	Revision
 Density and pressure 	 Radioactivity 	
 Ideal gas molecules 	 Fission and fusion 	
 Dangers of electricity 		
	Astrophysics	
Magnetism and	Motion in the universe	
electromagnetism	 Stellar evolution 	
 Magnetism 		
 Electromagnetism 		
 Electromagnetic 		
induction		

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 Term 2 Term 3

- Ud1. La Edad Moderna. Humanismo y Renacimiento.
- Ud2. Los Reyes Católicos y las
 Ud5. El medio natural. grandes exploraciones.
- Ud3. La Europa de Carlos V y Felipe II
- Ud4. El estudio del territorio.
- Ud6. La población.
- 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 Term 2 Term 3

- Ud1. El Antiguo Régimen y la Ud3. Restauración, Ilustración.
- Ud2. Las revoluciones burguesas. La Guerra de Independencia de España.
- liberalismo y nacionalismo. Ud4. La revolución industrial y la sociedad de clases.
- Ud5. España: La Restauración.
- Ud6. España: Dictadura y democracia. La Guerra Civil española.