

For The Academic Year 2016/2017

Brookhouse Secondary School



IGCSE



**Option
choices booklet**

BROOKHOUSE SCHOOL

PHILOSOPHY AND MISSION STATEMENT

Mission Statement:

“Our mission is to give each child every opportunity to learn to excel”

School Philosophy

Brookhouse is a co-educational day and boarding school for children aged 2-19, offering an adapted form of the British National Curriculum to Kenyan and international pupils. The pursuit of academic excellence is at the centre of our educational philosophy and approach.

Equally, as a global member of the Round Square association of schools worldwide, we believe that a school should foster courage, generosity, imagination, principle and resolution so that children emerge empowered with the skills and abilities to be the leaders and guardians of tomorrow's world. We endeavour to provide the security and guidance necessary for children to achieve their potential in a friendly and supportive but academically rigorous atmosphere.

As such we commit ourselves to the Round Square ethos by considering the six foundation pillars of Round Square as central to our holistic approach to education, augmenting our intrinsic commitment to academic excellence. The six pillars or IDEALS are: **Internationalism; Democracy; Environment; Adventure; Leadership and Service.**

Interpreting these pillars as the core of our school community, we believe in:

- Clear expectations in relation to academic performance, ethical standards and behaviour, combined with positive reinforcement to develop in children their self-confidence and self-esteem
- Providing the opportunity for children to learn the skills necessary to further their education and to function successfully with an international understanding and focus in the modern world
- Offering a curriculum that encourages the wider educational development of each child
- Encouraging children of all abilities to set goals which reflect the utmost of their capabilities
- Learning as a continuing process that fosters thinking and doing, exploration and experimentation, to help young people to adapt to an ever-changing environment and lead productive lives
- Maintaining regular and effective communication between parents and the school as well as parents being active partners in the learning process
- Instilling in students an appreciation of the outdoors and an awareness of the global environment and the need to conserve it as guardians of our collective future
- Nurturing tolerance, awareness and respect for oneself, others and property
- Fostering within children a desire to take responsibility for self-motivation, self-direction, self-discipline and a positive self-image
- Developing leadership skills rooted in kindness and justice, practiced individually and collectively in various leadership positions of consequence in the school
- Teaching children the values of democracy and the importance of active participation in democracy where freedom of thought and speech are encouraged and appropriate forums are in place for responsible self-expression
- Sensitising children to appreciate the richness of the spiritual and cultural experiences of life
- Preparing children for responsible lives through the expectation of service to others
- Promoting international understanding through exposure to different cultures and beliefs and through teaching children to appreciate, value and respect all cultures, religions and languages
- Encouraging children to learn to see themselves as committed and responsible global citizens, who look beyond gender, class, race, nationality and culture to understand human nature
- Building self-esteem through adventure and meeting challenges, working both individually and within groups, to promote personal growth and self-discovery leading to the child's realisation that they can be so much more than they might have imagined

Adopted: September 1997

Reviewed and amended: 2005, 2009, 2012, 2016

BROOKHOUSE SECONDARY SCHOOL

IGCSE LEVEL OPTIONS CHOICES BOOKLET

FOR THOSE ATTENDING THE CHOICES EVENING AT THE SCHOOL

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ACADEMIC STAFF AT BROOKHOUSE SECONDARY SCHOOL

Director

Mr. John O'Connor, BA Hons (Literature) University of Western Australia, Dip Ed.

Head of Secondary

Mrs. Lucy Ayodo, M Ed Kenyatta University, MBA Baraton, Dip PR

Deputy Head

Mr. Eric Mulindi, B Ed, M Sc Kenyatta, C Biol M Biol

Heads of Sixth Form and Careers

Mr. Otieno Milafu, BA, MA (Geography) University of Nairobi, PGDE Daystar University

Mrs. Sabina Okech, B Ed Hons Kenyatta University

Mr. Moses Lutta, B Ed Kenyatta, M Phil Kenyatta

Head of Year 11 and Careers

Mrs. Anpurna Sanghani, B Sc Hons (Biochemistry & Microbiology) North London

Head of Year 10 and Careers

Ms. Kelly Taberham, M A Hons (English) Aberdeen, PGCE Nottingham)

Head of Year 9 and Careers

Mr. James Muturi, B Ed Hons (Arts) Moi University

Heads of Subject

Mr. Fredrick Ajode, B A Hons Kenyatta University

Mrs. Tajinder Sehmi, B Sc Hons Southampton

Mr. Moses Nyoro, B Ed Hons Kenyatta MBA University of Nairobi

Mr. Mohamed Sheikh, B Sc Hons North East London Polytechnic

Ms. Shariffa Noodin, B A Hons Nairobi, M A Tianjin Univ, China

Mrs. Sabina Okech, B Ed Hons Kenyatta University

Mr. Wanjohi Mwai, B Ed University of Nairobi

Ms. Ellie Spray, B A Hons, M Sc Wales, QTS Nottingham Trent

Mrs. Dorothy Kyalo, B Ed Hons Kenyatta University

Mr. Andrew Kimwele, B Ed Hons Kenyatta University

Miss. Rachel Flanagan, B A Hons Durham, PGCE York

Ms. Josephine Kariuki, B Ed UEA Baraton

Mr. William Gichohi, B Sc JKUAT, Dip IMIS, PGDE

Mr. Kosgey Maswai, B Ed Hons Kenyatta University

Mr. Martin Bingwa, B Ed, M Sc Kenyatta University, Dip PR

Mr. Jeremy Franklin, B A Music Nottingham, PGCE London, QTS

Miss. Lisa Curley, B Sc, M Res, PGCE Nottingham Trent

Mr. Evans Ombui, B Ed Kenyatta University

Mr. Kennedy Mwaniki, B Ed Havana, Diploma in Spanish Havana, Cuba

Art & Design

Biology

Business / Accounting

Chemistry

Chinese

Drama

Economics

English and Literature

Languages

Geography

German

History

Computer Science

Kiswahili

Mathematics

Music

Physical Education

Physics

Spanish

EDUCATION FOR LIFE

'What do you want to do when you leave school?' This is a question that all students are asked at one time or another. For most it is a question that they find hard to answer and so, at Brookhouse, we have to provide the scope for young people to realise any of their future ambitions.

Year 10 and 11 provide a wealth of opportunities for students having a wide range of abilities and aspirations to build a solid foundation of qualifications, and to prepare themselves for further study. Many students will continue their education at Brookhouse by studying A-levels. Our challenge is to ensure that we provide all students with a curriculum which will enable them to gain internationally recognised and respected qualifications in a wide range of subjects which will prepare them for whatever the future may hold.

The great strength of our Year 10 and 11 curriculum is that it is broad, balanced, differentiated and relevant:

- ❖ Broad, in that a wide range of subjects across all the academic disciplines is studied;
- ❖ Balanced by an appropriate amount of time being given to each subject area;
- ❖ Differentiated, so that each student can reach his/her potential;
- ❖ Relevant to students having a wide range of educational backgrounds, abilities and aspirations.

We consider that the two year IGCSE examination programme offers an educational experience second to none and is an ideal preparation for further study.

YEAR NINE (9) OPTION CHOICES for IGCSE

The decisions you make in Year Nine about the subjects you wish to take at International General Certificate of Secondary Education (IGCSE) level are very important. You must discuss the options with subject teachers, your form tutor and your parents.

At Brookhouse we expect you to take NINE subjects to IGCSE level. You must take Mathematics, English Language, English Literature, at least one Science and a Modern Foreign Language. We also prefer you to take a Humanities / Arts subject to balance your choices.

Before you have to make your choices you will follow a course in PHSE designed to help you through the decision making process. If you are confused about anything just ask a teacher. This could be a subject teacher, your Form tutor, your Head of Year, or your Careers advisor..... all are here to help you.

Remember: Once you have started your IGCSE course, it is not easy to change, so try and get the choices right the first time. Good Luck!

Mrs Lucy Ayodo,
Head of Secondary

GENERAL INFORMATION

Introduction

Brookhouse School follows the International General Certificate of Secondary Education (IGCSE) examination system. This is the same as the system followed by schools in England and Wales. It is a well organised and respected means by which to measure students' achievement at the end of Year 11.

The curriculum consists of a two year course of study leading to an examination which is typically taken at age 16. It is suitable for students of all nationalities and all levels of ability. It provides an ideal preparation for all higher level courses of study.

The IGCSE examination allows for a range of achievement from grade A* to G. A* is the highest grade and it is generally accepted that grades A* to C are 'good' passes. Over recent years the number of students achieving these grades internationally has risen to almost 50%, but at Brookhouse the number is typically much higher.

The IGCSE (International GCSE) has a greater focus upon internationalism. The IGCSE programme has been chosen to provide an interesting and academically demanding curriculum for students from a wide range of academic and cultural backgrounds.

At Brookhouse we follow the Cambridge International Examinations (CIE) Board syllabuses offered by the University of Cambridge Local Examinations Syndicate (UCLES).

The Syndicate is one of the world's largest authorities on educational assessment, with schools and colleges acting on its behalf in more than a hundred different countries. Nearly one million candidates enter through recognised local centres, such as Brookhouse, for Cambridge examinations every year.

We also utilise, where appropriate the Edexcel Examinations Board syllabuses.

The IGCSE is a stimulating curriculum designed to develop students' potential to the full. High academic standards are encouraged, together with the ability to put knowledge into practice.

Most syllabuses have alternatives to coursework. The study of language is recognised in IGCSE to depend crucially on whether it is the student's first (mother) tongue or is a foreign language. Both are offered in IGCSE. All IGCSE First and Foreign language papers are written entirely in the target language. IGCSE syllabuses are international in content and approach, with regional options being offered in some syllabuses as appropriate.

What is meant by 'Core' 'Supplement' and 'Extended'?

The Core curriculum is designed to be appropriate for candidates expected to achieve grades C to G and provides a full overview of the subject to all students. The Extended curriculum is appropriate for candidates expected to achieve grades A* to C. The Supplement describes the extra topics or depth of topic that must be added to the Core to produce the Extended curriculum.

Core + Supplement = Extended

Do all syllabuses have Core and Extended curriculum?

Most do, but some syllabuses such as Art and Design, Business Studies and History, have the same curriculum for all students. In all these syllabuses, the assessment covers the full grade range.

How difficult is it to achieve the A*?

There is no limit on the number of starred A grades awarded in any one subject. Results depend on the quality of the candidates' work and on where the awarding body draws its other grade boundaries.

What happens if my IGCSE performance does not earn a grade G or above?

If that does happen, the performance is reported on the results slip as U (for 'unclassified').

How will the marks for my IGCSE be arrived at?

In some subjects, the marks are made up of two parts. Firstly, coursework done in Year's 10 and 11 is assessed. Secondly, an examination is held at the end of the two years.

Will students need to learn more facts for IGCSE?

No. The current emphasis in education is moving away from simply memorising masses of facts to knowing in addition how to handle information and relate it to daily life. It is now considered more important for students to be able to select and use information appropriately rather than to memorise long lists of facts.

Does that mean there will be a more practical work in IGCSE?

Yes. In every subject there will be an emphasis on students 'doing' things themselves. This will involve the development of skills and abilities which they are likely to make use of in their daily lives. For example, in Language, students must show the ability to communicate clearly. In Science, Maths and technological subjects, practical skills must be developed. In Music and Art, students will have to produce evidence of their own compositions.

ABOUT THE EXAMINATION

How can students of differing abilities and skills follow the same curriculum?

IGCSE offers a curriculum for a wide range of abilities. Students will not do exactly the same classwork and examination questions. Some will study the 'Core' and some the 'Extended' curriculum. Teachers enter candidates for examination papers that will give each candidate the best chance of achieving the highest grade that he or she is capable of attaining in each subject.

Who decides whether a student should be entered at Core or Extended level?

This decision is made by the teacher, in consultation with parents and students, in most cases about four months before the examination is taken.

COURSEWORK IN FOCUS

What is coursework?

Coursework is work which is integral to the course. That means that it is usually done in class and is closely supervised by teachers. It can take various forms such as assignments, fieldwork, practical and project work; or compositions.

Throughout your two years of study for IGCSE's your teacher will set specific topics for you. These topics will be marked by your teacher and those marks will go towards your final IGCSE results. You will be told which assignments will be used.

Why is coursework an option?

Some skills can't be tested by the traditional written exam – practical and oral skills, for example. Coursework gives you the chance to demonstrate the many abilities you have and so makes the final mark you receive fairer.

Which skills are tested through coursework?

Your performance in coursework will show if you are able:-

- ❖ To research, collect, compare and organise information
- ❖ To work in a group
- ❖ To make accurate records and use your powers of observation through laboratory and field work
- ❖ To use apparatus and machinery
- ❖ To communicate – and that means to listen as well as to talk and discuss
- ❖ To investigate, plan and design.

Coursework encourages young people to work independently and helps them prepare for higher level studies, such as A-level and AS levels.

When will I do the coursework?

In some subjects you will start coursework during the first term of Year 10, while with other subjects coursework may not start until Year 11. It will all depend on the subject. Some of the work will be done in class; some will be done as homework.

Is there coursework in all subjects?

No. Most Modern Foreign Languages include an oral, but there isn't necessarily any other coursework. Ask your teachers to clarify which subjects at Brookhouse include a coursework option.

Do marks awarded for coursework form a significant part of the examination?

This varies from subject to subject, but generally it is between 20% and 60% of the final mark.

How do parents know that teachers are marking coursework fairly?

Samples of the work marked by teachers will be checked (moderated) by UCLES through its examiners to ensure that they have been marked fairly. Teachers will be informed of the outcome of the moderation. Coursework may only be offered by schools where teachers have been specially trained in its assessment.

How does the exam board make sure that all schools mark coursework to the same standard?

The exam board has wide experience in the assessment of coursework. The Syndicate's examiners will ask for samples of coursework from schools together with the criteria used by teachers to mark their coursework. With this evidence and other relevant information, marks from the various schools will be adjusted to a common standard.

Is coursework to your advantage?

IGCSE had been widely praised for allowing candidates to demonstrate what they know, understand and can do.

The work which you submit for assessment must be your own. Teachers have to certify that coursework has been supervised properly. If you quote from any books or other materials, you should state which sources you have used. And, if you receive guidance from someone other than your teacher, you should tell your teacher, who will then record the nature of the assistance.

Coursework allows a wider range of skills to be assessed than is possible in a written examination. Evidence suggests that coursework assessment increases candidates' motivation.

But... It's no good leaving everything to the last minute with IGCSE. You won't get through by copying someone else's notes the day before the exam. You'll need to work throughout the two years to do well – and work hard.

ART & DESIGN

Art is an optional subject at IGCSE level.

What could I do with ... Art & Design?

Studying Art is aimed at developing:-

- ❖ an ability to record from direct observation and personal experience
- ❖ an ability to identify and solve problems in visual and/or other forms
- ❖ creativity, visual awareness, critical and cultural understanding
- ❖ an imaginative, creative and personal response.
- ❖ confidence, enthusiasm and a sense of achievement in the practice of art and design
- ❖ growing independence in the refinement and development of ideas and personal outcomes
- ❖ engagement and experimentation with a range of media, materials and techniques, including new media and technologies, where appropriate.
- ❖ knowledge of a working vocabulary relevant to the subject and an interest in, and a critical awareness of other practitioners, environments and cultures.
- ❖ investigative, analytical, experimental, interpretative, practical, technical and expressive skills which aid **effective and independent learning**.

The broad areas of study are:

- ❖ Painting and related media
- ❖ Printmaking
- ❖ Three-dimensional studies
- ❖ Photography, digital and lens-based media
- ❖ Graphic communication
- ❖ Textile design.

How can students use this subject in a career?

The study of Art lets you use and develop your ideas and imagination as well as teaching you skills and techniques. It can be useful for a wide range of jobs even for those who do not go on to study the subject at a more advanced level. Many people who are not working as artists or designers also require a feeling for design, layouts and colour for some aspects of their work.

If you are interested in Art and Design, some of the careers listed below could appeal to you:

- ❖ Architecture
- ❖ Interior design
- ❖ Fashion/ textile designer
- ❖ Photography
- ❖ Computer graphics and Animation
- ❖ Information graphics
- ❖ Multimedia production
- ❖ Advertising/ Communication studies
- ❖ Video production
- ❖ Filming

How is Art examined at IGCSE?

There is **NO** Core or Extended tiering in art.

Students sit for two of the following:-

- | | |
|--|---------|
| 1. Observational study/ Interpretive study | Paper 1 |
| 2. Design study | Paper 2 |
| 3. Coursework | Paper 4 |

Each paper in components 1 and 2 is eight hours. The coursework is a one year submission.

BIOLOGY

Introduction

As a science, Biology provides a foundation for many careers including Medicine, Forensic Science, Biotechnology and Environmental Sciences.

The IGCSE Biology course is designed to meet the needs of those seeking an introduction to this interesting and challenging subject with an intention to pursue it at A-Level or simply to supplement their IGCSE subjects.

The course will help learners to become:

- **Confident** in working with information and ideas
- **Responsible** for themselves, responsive to and respectful of others
- **Innovative** and equipped for new and future challenges
- **Engaged** intellectually and socially ready to make a difference

Content

The content is organized into four thematic areas:

- Characteristics and classification of living organisms
- Organization and maintenance of the organism
- Development of the organism and the continuity of life
- Relationship of organisms with one another and with their environment

There are a total of 21 topics including Human Nutrition & Diet, Drugs, Reproduction, Biological Molecules, Transport in Plants, Biotechnology and Genetic Engineering and Conservation.

Assessment

Core candidates are examined in Paper 1 (multiple choice questions), Paper 3 (short structured questions) and Paper 5 (practical test)

Extended candidates are examined in Paper 2 (multiple choice questions), Paper 4 (short structured questions) and Paper 5 (practical test)

Careers

- Medicine
- Physiotherapy
- Genetic Engineering
- Veterinary Medicine
- Radiotherapy / Diagnostics
- Microbiology
- Sports Science / Medicine
- Biotechnology
- Food Science /Technology
- Pharmacology
- Optometry
- Dentistry/ Dental Technology
- Biomedical Sciences / Engineering
- Agribusiness/ Horticulture / Forestry
- Marine Biology / Aquaculture
- Geology
- Conservation Biology

BUSINESS STUDIES

Business Studies is an optional subject at IGCSE

What could I do with ... Business Studies?

Business studies courses vary, but usually include information technology and clerical/ office skills as well as business organization and finance. Whether an organisation is designing and manufacturing a product, selling or providing a service it will need to employ people with business management, financial and marketing skills.

The course includes a study of;

1. Why business activity is needed,
2. How business activity is organized and setting goals for achievement,
3. How are outputs marketed and presented to the customers
4. What the world of work is like,
5. What is produced and why,
6. What are the best ways of producing goods and increasing efficiency
7. How to value performance and prepare financial reports
8. How and why do governments and the community influence business activity.

There are many jobs where a background in business studies can be useful and it will also help you in your everyday life. Some careers where business studies is useful:

- ❖ Accounting
- ❖ Administrative assistant
- ❖ Advertising – Account management
- ❖ Airport work – management/ ground staff
- ❖ Banking
- ❖ Business administration
- ❖ Building society work
- ❖ Civil service administration
- ❖ Clerical work
- ❖ Conference organising
- ❖ Court administration
- ❖ Credit control
- ❖ Exporting/ importing
- ❖ Financial consultant/ advisor
- ❖ Freight forwarding
- ❖ Health service administration
- ❖ Insurance work
- ❖ Local government administration
- ❖ Marketing
- ❖ Market research
- ❖ Pensions management
- ❖ Personnel management
- ❖ Public relations work
- ❖ Recreation/ leisure management
- ❖ Retail management
- ❖ Secretarial work
- ❖ Teaching – business studies, word processing

How is Business Studies examined at IGCSE?

There is no core or extended content in the Business Studies exam.

Paper 1	50%	1 ½ hours	Short answer questions and structured data response questions
Paper 2	50%	1 ½ hours	Questions based on a case study, but all are structured.

CHEMISTRY

You must take at least one science at IGCSE level.

What could I do with ...Chemistry?

There are many careers where chemistry is useful or required. In some cases IGCSE is sufficient, but most require study to a higher level (university degree). You must check entry requirements in year 11 if you are interested in a career, which requires higher qualifications.

The list of careers below are just some of the vast range of careers open to those with an interest in chemistry.

- ❖ Agriculture/ Forestry/ Horticulture
- ❖ Chiropody/ Podiatry
- ❖ Dentistry/ Medicine/ Nursing
- ❖ Dietetics
- ❖ Environmental health/ science
- ❖ Forensic science
- ❖ Osteopathy
- ❖ Paper technology/ conservation
- ❖ Restoration/ conservation – buildings, paintings etc.
- ❖ Ecology
- ❖ Engineering – all branches including biomedical and chemical
- ❖ Food science/ technology
- ❖ Pharmacy
- ❖ Physiotherapy
- ❖ Teaching sciences
- ❖ Veterinary sciences

Some careers to consider if you have an interest in chemistry, but are not planning to study it at a higher level or where you will need some basic chemistry:

- ❖ Ambulance paramedical work
- ❖ Beauty therapy/ hairdressing
- ❖ Dental surgery assistant/ technician
- ❖ Farming
- ❖ Gardening/ nursery work
- ❖ Laboratory work
- ❖ Medical secretary
- ❖ Midwifery/ Nursing
- ❖ Teaching
- ❖ Veterinary nurse

How is Chemistry examined at IGCSE?

There is core and extended tiering in Chemistry. The format below will be used from May/June 2016.

Core candidates take:

Paper 1 45 minutes

A multiple-choice paper consisting of 40 questions of the four-choice type. Questions will be based on the Core syllabus content.

This paper is weighted at **30%** of the final total mark.

and

Paper 3 1 hour 15 minutes

A written paper consisting of short-answer and structured questions.

Questions will be based on the Core syllabus content.

This paper is weighted at **50%** of the final mark.

Extended candidates take:

Paper 2 45 minutes

A multiple-choice paper consisting of 40 questions of the four-choice type.

Questions will be based on the Extended syllabus content (Core and Supplement).

This paper is weighted at **30%** of the final total mark.

and

Paper 4 1 hour 15 minutes

A written paper consisting of short-answer and structured questions.

Questions will be based on the Extended syllabus content (Core and Supplement). This paper is weighted at **50%** of the final total mark.

All candidates take:

Paper 5 1 hour 15 minutes

Practical Test

This paper is weighted at **20%** of the final total mark.

CHINESE / MANDARIN

You must take at least one Language at IGCSE level.

What could I do with... Chinese?

Languages are means of expression. Knowing many foreign languages improves one's cognitive skills and interpretive abilities. Foreign language study is indeed rewarding.

Chinese is the most frequently spoken language in the world with approximately 900 million speakers and is hence one of the key languages in the world culturally and in business. Learning Mandarin / Chinese can be an enjoyable and can be a very useful skill. With China emerging as a global economy giant, many people have shown interest doing business with China. Though English is widely spoken, understanding native Chinese language and having proficiency in Mandarin / Chinese has become an important issue for such business aspirants. Today, China has been recognized as the fourth largest economy in the world due to tremendous economic growth over the last two decades.

The IGCSE course aims at preparing and enabling students to use Chinese/Mandarin for practical purposes, mainly by helping students develop competence in all four skills of language i.e. listening, speaking, reading and writing. Role-play, written grammar exercises, listening, comprehension exercise, reading, etc. are all used in the teaching of Chinese. The department also aims to encourage students to develop a lasting interest in the contemporary culture of Chinese and the Chinese speaking world.

Some careers in which a foreign language may be useful are:

- ❖ Air Cabin crew
- ❖ Banking /Bureau de change
- ❖ Bilingual secretary
- ❖ Broadcasting
- ❖ Business management
- ❖ Catering industry
- ❖ Civil service
- ❖ Customs and excise
- ❖ Diplomatic service
- ❖ Immigration
- ❖ Exporting/ Importing
- ❖ Foreign correspondent
- ❖ Hotel management/ receptionist
- ❖ Interpreting
- ❖ Journalism
- ❖ Librarianship
- ❖ Sales & Marketing
- ❖ Overseas representative
- ❖ Teaching languages
- ❖ Translating
- ❖ Travel & Tourism

IGCSE at grade C or above is required or preferred for many of the careers listed above. For some a degree in one or more languages is required.

How is Chinese examined at IGCSE?

All candidates take the following four components:

Paper 1 Listening approximately 35 minutes	25%
Candidates listen to a number of recordings and answer questions testing comprehension.	
30 marks	
Externally assessed	
Paper 2 Reading 1 hour 15 minutes	25%
Candidates read a number of texts and answer questions testing comprehension.	
36 marks	
Externally assessed	
Paper 3 Speaking* approximately 15 minutes	25%
Candidates complete two role plays, a topic presentation/conversation and a general conversation.	
100 marks	
Internally assessed/externally moderated	
Paper 4 Writing 1 hour 15 minutes	25%
Candidates respond in the target language to three tasks.	
45 marks	
Externally assessed	

COMPUTER SCIENCE

Introduction

Computer science is the study of the foundational principles and practices of computation and computational thinking and their application in the design and development of computer systems. The syllabus will focus more on the development of computational thinking which involves programming using high level languages. Students will express computational skills by writing computer code.

Why study Computer Science at IGCSE?

Computer Science is widely accepted by universities and employers as proof of essential knowledge and ability. The syllabus provides a suitable foundation for the study of computer science or related courses at university level and is equally suitable for candidates intending to pursue careers or further study in computing, hardware engineering, software engineering, ICT and other specialist aspects of computer science.

Learners develop a range of technical skills which can be used in other subjects and every day life. They appreciate current and emerging computing technologies, recognise the ethical issues and potential risks when using computers.

The aims of the curriculum are to:

- to develop computational thinking skills
- to acquire the skills required to develop computer-based solutions to problems.
- to develop an understanding that every computer system is made up of subsystems, which in turn consist of further subsystems.
- to develop an understanding of the component parts of computer systems and how they interrelate, including software, data, hardware, communications and people.
- develop skills necessary to solve computer-based problems using a high-level programming language.

Assessment

The two Assessment Objectives in Computer Science are:

A Computational Skills

B Knowledge and understanding

Assessment Summary

Paper	Title	Duration	Weight
1	Theory of computer Science	1hr 45 mins	60%
2	Practical problem-solving and programming skills	1hr 45 mins	40%

Careers

Computer Science has many career opportunities; more careers are being created in the field every year. The main career opportunities available in this field include;

- IT Systems engineer
- Software development engineer
- Hardware engineer
- Applications developer
- Programmer analyst
- Wireless and communications engineer
- Network administrator
- Software engineer
- Systems analyst
- Computer operations engineer
- Head of computing/Computer science
- E-Commerce specialist
- Internet solutions developer
- Web Master
- Graphics designer
- Information systems manager
- Programmer
- Tele-communications engineer
- Database administrator
- Real time systems engineer
- Computer science Consultant
- ICT manager

Qualifications before taking Computer Science

Students who wish to take Computer Science at IGCSE should be prepared to work hard consistently in both theory and programming skills. The subject covers a wide range of computing and programming concepts. It is recommended that such students are average in mathematics and can logically apply scientific skills as required.

DRAMA

Drama at IGCSE is an interesting and varied two year course, which develops a range of skills and abilities, including confidence in public speaking, teamwork and creativity.

Assessment:

Paper 1 is a practical assessment, where students perform: a monologue, a group devised piece and an extract from a published play.

Paper 2 is the theoretical component, which comprises a two and half hour examination. In preparation for this, students analyse a pre-released extract from a given published play. This paper examines students on aspects of drama theory ; role as a director, actor and designer as well as their interpretation of the text.

Year 10

Throughout Year 10, students sharpen their performance skills and confidence. They also develop skills in devising drama, collaborative problem-solving as well as self and peer evaluation.

Year 11

In Year 11, students polish their performance pieces, ready for the final recordings in March. In addition, students study their pre-release extract in preparation for the final examination.

ECONOMICS

Cambridge IGCSE Economics has an international outlook, but retain a local relevance. The syllabus provide opportunities for contextualised learning and the content has been created to suit a wide variety of environments, avoiding cultural bias and developing essential lifelong skills, including creative thinking and problem-solving. Our aim is to balance knowledge, understanding and skills in our programme and to enable candidates to become effective learners by providing a solid foundation for their continuing educational journey.

Why choose Cambridge IGCSE Economics?

Cambridge IGCSE Economics is accepted by universities and employers as proof of knowledge and understanding of Economics. Successful Cambridge IGCSE Economics candidates gain lifelong skills, including:

- an understanding of economic theory, terminology and principles
- the ability to apply the tools of economic analysis
- the ability to distinguish between facts and value judgements in economic issues
- an understanding of, and an ability to use, basic economic numeracy and literacy
- the ability to take a greater part in decision-making processes in everyday life
- an understanding of the economies of developed and developing nations
- an excellent foundation for advanced study in economics.

Prior learning

Candidates beginning this course **are not expected** to have studied economics previously.

Progression Cambridge IGCSE Certificates are general qualifications that enable candidates to progress either directly to employment, or to proceed to further qualifications. Candidates who are awarded grades C to A* in Cambridge IGCSE Economics are well prepared to follow courses leading to Cambridge International AS and A Level Economics, or the equivalent.

Assessment at a glance

The assessment has two components, Paper 1: Multiple choice and Paper 2: Structured questions.

Candidates must take both papers. Candidates receive grades from A* to G.

Paper 1 Multiple choices	45minutes
Candidates answer 30 multiple choice questions. Weighted at 30% of total available marks.	
Paper 2 Structured questions	2hours 15minutes
Candidates answer one compulsory question, which requires them to interpret and analyse previously unseen data relevant to a real economic situation, and three optional questions from a choice of six. Weighted at 70% of total available marks.	

Assessment objectives and their weightings

The assessment objectives are weighted to give an indication of their relative importance. The weightings are not intended to provide a precise statement of the number of marks allocated to particular assessment objectives.

Assessment objective	Paper 1 (%)	Paper 2 (%)	Overall (%)
AO1: Knowledge with understanding	45 ± 5	20 ± 5	28 ± 5
AO2: Analysis	55 ± 5	35 ± 5	41 ± 5
AO3: Critical evaluation and decision-making	0	45 ± 5	31 ± 4

Economics is useful if you are considering a career in one of the following areas:-

- Finance
- Banking
- Consultancy
- Development programmes
- Government economic services
- Business administration
- Insurance industry
- Law
- Statistics
- Local authorities
- Accountant
- Management
- Human resources
- Sales and advertising

ENGLISH LANGUAGE & ENGLISH LITERATURE

A compulsory integrated course aimed at enabling pupils to become proficient in reading and writing, speaking and listening.

Course Structure

First Language English (Extended)

Paper 2	2 hrs	50%	Reading and Directed Writing
And Paper 3	2 hrs	50%	Reading and Writing

English Literature

Paper 1 Poetry and Prose	1 hr 30 mins	50%	Answer 2 questions, closed texts.
Paper 3 Drama	45 mins	25%	Answer 1 question, open text.
Paper 4 Unseen	1 hr	25%	Essay on unseen text

Language and Literature are delivered as a combined course since so many of the skills needed are the same or similar. These are however separate subjects and the student will receive two IGCSEs from their English studies.

Year 10

Students are taught how to write for a wide variety of purposes that are predetermined by the Examination Board. In addition, they learn how to plan, draft, redraft and proof-read work based on a suitable selection of issues and themes, in preparation for the examinations. They experience writing creatively, discursively, informatively, analytically and descriptively.

Students read and analyse three set texts (poetry, prose and drama) that form the basis for Papers 1 and 3. They are taught how to respond empathetically and critically to texts, which prepares them both for Papers 1 and 3, as well as the unseen passage or poem on Paper 4.

Year 11

Pupils are trained to write in various forms and styles: informal and formal letters, imaginatively, empathetically, reports, pamphlets, magazine and newspaper articles, writing for specific audiences, informative writing, advertisements etc. They are given plenty of practice in writing for examination purposes. Pupils revisit the 3 examination texts, where they study characterisation, plot development, writer's style, themes etc. They learn how to respond to questions on these texts for examination purposes.

Good communication skills are essential in almost every walk of life. This two year intensive course is demanding but fun. It will provide pupils with the foundation for further study that will help them take their place in the world.

FRENCH

You must take at least one Language at IGCSE level.

What could I do with ... French?

French is recognized as one of the world's five major languages. Studying French, therefore, opens the door to opportunities for study, travel, work and research in many more countries.

There are a number of careers where ability in foreign languages is a requirement. In addition, it is a useful skill in a number of others. More and more people are now taking advantage of the opportunity to work in Europe and the ability to speak French can also be an advantage in multi-national organizations within Kenya – many have increasing business links with Europe.

The IGCSE course aims at preparing and enabling students to use French for practical purposes, mainly by helping students develop competence in all four skills of language i.e. listening and speaking, reading and writing. Role-play, written grammar exercises, listening, comprehension exercise, reading etc. are all used in the teaching of French. The department also aims to encourage students to develop a lasting interest in the contemporary culture of France and Francophone countries.

Some careers in which a foreign language may be useful are:

- ❖ Air Cabin crew
- ❖ Banking International
- ❖ Bilingual secretary
- ❖ Broadcasting
- ❖ Business management
- ❖ Catering industry
- ❖ Civil service
- ❖ Customs and excise
- ❖ Diplomatic service
- ❖ Immigration
- ❖ Exporting/ Importing
- ❖ Foreign correspondents
- ❖ Hotel management/ receptionist
- ❖ Interpreting
- ❖ Journalism
- ❖ Law – particularly International law
- ❖ Librarianship
- ❖ Sales & Marketing
- ❖ Overseas representative
- ❖ Teaching languages
- ❖ Translating
- ❖ Travel & Tourism

IGCSE at grade C or above is required or preferred for many of the careers listed above. For some a degree in one or more languages is required.

Candidates study five topic areas which provide contexts for acquisition of vocabulary and study of grammar and structures.

How is French examined at IGCSE?

There is no Core and Extended tiering in the IGCSE French exam. Students must sit for all four papers.

Nature of Exam

Paper 1	25%	<u>Listening</u> , short answers and multiple choice questions.
Paper 2	25%	<u>Reading Comprehension</u> : Short questions testing and understanding of prose.
Paper 3	25%	<u>Oral</u> – a role play section and a prepared topic for conversation.
Paper 4	25%	<u>Extended writing</u> : - three tasks, comprising a vocabulary test, two essays: a directed writing essay and a creative writing essay.

GEOGRAPHY

Geography is an optional subject at IGCSE.

What could I do with ... Geography?

IGCSE Geography offers an exciting large array of topics to follow and the course enables students to develop an understanding of the physical and human factors which shapes the modern world including population and settlement, the natural environment and economic development. Fieldwork is an integral part of the course.

Geography is useful in the following careers:

- ❖ Agriculture
- ❖ Air traffic control
- ❖ Cartography/ map making
- ❖ Wildlife conservation
- ❖ Ecology
- ❖ Environmental science
- ❖ Estate management
- ❖ Export/ Importing
- ❖ Forestry
- ❖ Geology
- ❖ Journalism – periodicals/ travel features writer
- ❖ Landscape architecture
- ❖ Leisure Management
- ❖ Merchant Navy – Navigation
- ❖ Meteorology
- ❖ Outward bound – travel/ transport etc
- ❖ Surveying – aerial, land, hydrographic, mining
- ❖ Teaching
- ❖ Tourism/ Tour operations
- ❖ Town and country planning
- ❖ Traffic management
- ❖ Transport management/ planning
- ❖ Travel Agency, work

How is Geography examined at IGCSE?

Paper 1	45%	1 ¾ hours	Structured questions on all syllabus sections. There is a choice of questions. Structured questions with gradient of difficulty will be source based and involve problem solving and free response writing.
Paper 2	27.5%	1 ½ hours	Map work, data response compulsory question.
Paper 3	27.5%	1 ¾ hours	Course work (1 project) - Optional
Or			
Paper 4	27.5%	1hour	Alternative to course work. Candidates will be set a series of tasks in a written examination on issues relating to one or more of the syllabus themes.
Paper 5 (CBT) based test			Candidates sitting paper 4 will be expected to do a computer

GERMAN

What could I do with German?

In many careers today, knowledge of foreign languages may not only be an added advantage but a possible requirement.

Germany has a stable economy and as such, German is viewed as an investor language. Learning and studying German is a possible gateway to study, work, research, and travel not only in German speaking countries but in Europe as a whole. Germany is one of the few countries where education is free or costs very little depending on the institution. Knowledge of German can be an advantage in multi-national organizations around the world and in the tourism industry.

The IGCSE course aims at preparing and enabling students to use German for practical purposes, mainly by helping students develop competence in all the four language skills i.e. listening, speaking, reading and writing. Role-plays, oral presentations, grammar exercises, listening and reading comprehension exercises, writing exercises, language games, films, videos, songs and cultural projects are all used in the teaching of German. Students are encouraged to develop a lasting interest in the contemporary culture of Germany.

Some careers in which foreign languages are useful:

- ❖ Air Cabin Crew
- ❖ Banking /Bureau de change
- ❖ Bilingual secretary
- ❖ Broadcasting
- ❖ Business management
- ❖ Catering
- ❖ Civil service
- ❖ Customs and excise
- ❖ Diplomatic service
- ❖ Engineering
- ❖ Hotel management/reception
- ❖ Immigration
- ❖ Import/export
- ❖ Interpreting
- ❖ Journalism
- ❖ Law – particularly international law
- ❖ Librarianship
- ❖ Marketing
- ❖ Overseas representative
- ❖ Sales
- ❖ Teaching
- ❖ Translating
- ❖ Travel and tourism

IGCSE at grade C or above is required or preferred for many of the careers listed above. For some, knowledge of one or more language is required. To achieve grade C students are required to use all three tenses (present, past and future) accurately.

How is German examined at IGCSE?

Paper 1	25%	Listening:	Multiple choice, correct the sentences and short answer questions
Paper 2	25%	Reading:	Multiple choice, cloze text, short answer and true or false questions
Paper 3	25%	Speaking:	Role-plays, a prepared presentation for discussion and a conversation
Paper 4	25%	Writing:	Single words/vocabulary question, a short essay and a longer essay

HISTORY

History is an optional subject at IGCSE.

What could I do with ... History?

In IGCSE History students are given an overview of some of the main events, personalities and developments that have shaped the twentieth century. You will have an opportunity to examine how these have influenced the modern international issues, past events, especially the two world wars. Some of the topics covered include:

- ◆ Peace treaties
- ◆ League of Nations
- ◆ International Relations
- ◆ Cold War
- ◆ American reaction to spread of Communism
- ◆ Collapse of USSR
- ◆ The Gulf Matter

The Depth Studies emphasise the role of famous leaders such as Hitler, Lenin, Stalin, Roosevelt and Mussolini. It is impossible to become really conversant with modern national and international developments without some background in History.

The course does not require students to 'cram' a lot of facts. Its thrust is mainly source-based, giving you an opportunity to acquaint yourself with some of the methods and skills of historical inquiry; types of historical evidence and their relative reliability, empathy, cause and effect relationship; chronology; bias; continuity and change. Critical analysis of information and clear, logical presentation are continually emphasised.

There are very few jobs for which a qualification in history is required, but it will demonstrate that you are able to find out, understand and explain facts about the past in writing. Many jobs require ability to research and analyse information and the study of history will give a useful training in these skills.

Careers you might like to consider include:

- Antique selling/ valuation
- Archaeology
- Archive work
- Arts administration
- Building conservation
- Diplomatic corps
- Lecturer
- Bookbinding (antiquarian)
- Book selling
- Conservation / restoration – embroidery, textiles etc.
- Film maker
- Historical research
- Journalism
- Law
- Librarian
- Museum Curator
- Politics
- Publishing
- Radio and television – researcher
- Teaching history
- Teaching primary
- Theatrical make-up
- Theatrical costume design

How is History examined at IGCSE?

There is no tiered Core and Extended exam.

Paper 1	40%	2 hours	20 th Century – Essay based dealing with key section of syllabus.
Paper 2	33%	2 hours	Interpretation of sources – (A new topic is prescribed each year)
Paper 4	27%	1 hour	Alternative to coursework – depth study Germany

KISWAHILI

You must take at least one language at IGCSE level.

What could I do with ... Kiswahili

There are several reasons why Kiswahili is useful.

Firstly for communication – being able to communicate with people from all walks of life is important. Studying Swahili enables students, especially those in East Africa, to do this.

The course encourages students to discuss various issues and thus develops their art of public speaking.

Essay writing helps students to put their ideas on paper and express themselves fluently in Swahili

Some careers in which Kiswahili may be useful are:

- ❖ Air Cabin crew
- ❖ Secretarial
- ❖ Broadcasting
- ❖ Civil service
- ❖ Catering
- ❖ Business
- ❖ Tourism
- ❖ Hotel management
- ❖ Translating
- ❖ Interpreting
- ❖ Journalism
- ❖ Marketing
- ❖ Teaching
- ❖ Travel & Tourism
- ❖ Publishing

Note: Students who are very good in Swahili may opt to take French or German or Spanish or Chinese during normal lesson time but take Swahili as an extra subject. They would have to do some work at least once a week. They are then registered for their IGCSE examination at the end of Year 10.

How is Kiswahili examined at IGCSE?

There is no Core or Extended in IGCSE

Paper 1 3 hours Four questions

- Question 1) Translation of a passage from Swahili to English (20 marks)
2) Translation of a passage from English into Swahili (30marks)
3) A comprehensive passage. Short answer question (25 marks)
4) An essay of about 120 words in Swahili.
A choice of subjects will be given (25 marks)

MATHEMATICS

Maths is a compulsory subject at IGCSE level.

What could I do with ... Mathematics?

Mathematics is part of the national curriculum and you will have to continue with the subject to year 11. There are two different levels at I.G.C.S.E. and the one you take will depend on your aptitude. Almost everyone uses basic arithmetic in their daily lives, but very few people study mathematics to a high level.

If you have a particular interest in mathematics and an ability for the subject, you may want to continue your study of the subject beyond IGCSE. If you like the idea of working with figures, you may be interested in looking at careers where you could make use of this. You must check all entry requirements if you have a career in mind but all universities will require a pass in this subject.

Mathematics is fun. All you need is the right attitude, knowledge and an interest in the subject.

Examples of careers you could investigate are:

- ❖ Accounts work/ Accountancy
- ❖ Architectural technician/ Architecture
- ❖ Banking
- ❖ Building society work
- ❖ Building technician/ Surveying
- ❖ Insurance work
- ❖ Stock exchange work
- ❖ Actuarial Sciences

Even if you are not interested in mathematics, you will almost always need IGCSE at grade C or above if you intend to go on to some jobs or higher education courses including:-

- ❖ Computer studies
- ❖ Economics
- ❖ Medicine and related careers
- ❖ Psychology
- ❖ Physiotherapy
- ❖ Teacher training (any subject)

How is Mathematics examined at IGCSE?

There is core and extended tiering in the IGCSE Mathematics exam.

Core

Paper 1	1 hour	35%	Short compulsory questions
Paper 3	2 hours	65%	Longer compulsory questions

Extended

Paper 2	1 ½ hours	35%	Short compulsory questions
Paper 4	2 ½ hours	65%	Longer compulsory question

MUSIC

Music is an optional subject at IGCSE level. The AQA examination board is used instead of CIE.

Is Music for me?

GCSE Music is not for everyone. Enjoying listening to music is not a good enough reason by itself to study music. GCSE musicians need to have a longing to understand the craft of music; they must be passionate about performing (pupils are required to take up instrumental tuition), and they must enjoy composing their own music.

The GCSE course can be divided into three areas:

A. Analysis

- ❖ Reading and evaluating musical scores
- ❖ Studying set works to understand in detail how music is constructed
- ❖ Understanding the history and background of different styles and genres
- ❖ Using key terminology to analyse all styles of music using a common framework

B. Performance

- ❖ Playing/singing as a means to understand music
- ❖ Playing/singing as part of an ensemble
- ❖ Playing/singing as a solo

C. Composing

- ❖ Composing as a means to apply understanding
- ❖ Composing in different styles
- ❖ Composing to a brief

How is Music examined at IGCSE?

There is no Core and Extended tiering in the Music exam.

COMPONENTS	Approximate weighting
1 Understanding music – written examination Listening section – answering questions on excerpts of music Contextual understanding sections – 4 questions based on set works studied during the course	40%
2. Performing Two prepared performances - one individual and one ensemble.	30%
3. Composing Two contrasting compositions – one free composition and one for a brief.	30%

PHYSICAL EDUCATION

All students take P.E. but it is also available as an examinable IGCSE option.

What could I do with Sports?

You will have to take Physical Education up to Year 11 and may also take part in sporting activities outside school. At Brookhouse we also offer this at IGCSE level and above. For most people sport is a way of keeping fit and a social activity. If you are competitive and talented you may be aiming at a career in professional sport - this will involve a great deal of practice out of school as well.

If you enjoy sport and exercise in a less competitive way, you may be interested in a career related to sport, in a sporting environment or where keeping fit is essential – the choice is surprisingly wide.

Some careers in or related to sport/ exercise/ fitness:

- ❖ Sports Psychologist/Biomechanist/Analyst
- ❖ Armed forces
- ❖ Coaching – all sports
- ❖ Diving
- ❖ Health and Fitness Instructor
- ❖ Leisure Centre/ Recreation Management

What is the GCSE Programme?

The GCSE course is an examinable subject under the University of Cambridge International Examinations (CIE). The course is examinable through:

- ❖ Practical sport (4 sports in total)
- ❖ Coursework (Sports Analysis)
- ❖ Exam paper

What will I learn on the course?

The course consists of the following topics:

- ❖ Components of Fitness
- ❖ Principles of Training
- ❖ Cardiovascular System
- ❖ Muscular System
- ❖ Skeletal System
- ❖ Energy Systems
- ❖ Respiratory System
- ❖ Memory
- ❖ Skill Acquisition
- ❖ Sports Psychology
- ❖ Diet & Nutrition
- ❖ Drugs in Sport
- ❖ Sports Development and Management
- ❖ Leadership in Sport
- ❖ Sports Centre Assistance/ Manager
- ❖ Teaching – Physical Education
- ❖ Physiotherapy
- ❖ Sports Development
- ❖ Sports Journalist
- ❖ Sports Marketing
- ❖ Outward Bound/ Outdoor Pursuits Instructor/ leader

How is P.E. examined at IGCSE?

There is no tiering in the P.E. examination.

Paper 1 40% 1 hour 45 mins

Paper one will examine:

- i.) factors affecting performance health
- ii.) safety and training
- iii.) reason and opportunities for participation in physical activity.

There are structured questions of each unit requiring short answers.

Paper 2 60% Coursework

Four activities selected from at least 2 of the following areas

- i.) Games
- ii.) Gymnastics
- iii.) Athletics
- iv.) Dances
- v.) Outdoor pursuits
- vi.) Swimming

Planning, performing and evaluation will account for 50% of the total marks and analysing and improving 10%.

The 3 assessment objectives in Physics are: **(a)** Knowledge with understanding and solving problems **(b)** Handling information and **(c)** Experimental skills and investigations

There are many careers in which physics may be useful. In some cases an I.G.C.S.E. qualification is sufficient. In others 'A' level physics is required if you want to study a particular course at university.

The following careers require physics at least up to 'A' level:

- ❖ Architecture
- ❖ Engineering - All branches including biomedical and chemical
- ❖ Food technology
- ❖ Meteorology
- ❖ Paper technology
- ❖ Physiotherapy
- ❖ Radiography
- ❖ Medical electronics
- ❖ Teaching physics
- ❖ Space science
- ❖ Scientific Studies
- ❖ Computer science

Below are some careers to consider if you have an interest in physics, but may not be planning to study them at a higher level or where you will at least need some basic sciences are:

- ❖ Motor mechanics
- ❖ Electrician
- ❖ Modern agricultural methods
- ❖ Laboratory work/ Lab. Technician
- ❖ Aviation
- ❖ Para-medical assistant
- ❖ Photography
- ❖ Audiovisual technician
- ❖ Sports Science

How is Physics examined at IGCSE?

Core curriculum Grades C to G available	Extended curriculum Grades A* to G available
<p>Paper 1 (45 minutes) Compulsory multiple choice paper. Forty items of the four-choice type, designed to discriminate between grades C to G. The questions will be based on the Core curriculum. This paper will be weighted at 30% of the final total available marks.</p>	
<p>Either: Paper 2 (1 hour 15 minutes) Core theory paper consisting of 80 marks of short-answer and structured questions, designed to discriminate between grades C and G.</p> <p>The questions will be based on the Core curriculum This paper will be weighted at 50% of the final total available marks.</p>	<p>Or: Paper 3 (1 hour 15 minutes) Extended theory paper consisting of 80 marks of short-answer and structured questions designed to discriminate between grades A* and D.</p> <p>The questions will be targeted at the higher grades. Twenty of the marks available will be based on Core material and the remainder on the supplement. This paper will be weighted at 50% of the final total available marks.</p>
<p>Practical Assessment Paper 5 (1 hour 15 minutes) The purpose of this component is to test experimental + observational skills. It is weighted at 20% of the total marks available.</p> <p>Paper 6 Alternative to practical theory paper is offered instead of paper 5, but is mainly taken by external candidates who do not have access to a laboratory. Designed to test familiarity with laboratory based procedures The practical assessment will be weighted at 20% of the final total available marks. Candidates taking Physics <u>must</u> be familiar with common mathematical operations such as solving equations and using trigonometric functions and using calculators in all parts of the examination.</p>	

SPANISH

You must take at least one Language at IGCSE level.

What could I do with Spanish?

Spanish is recognized as one of the world's five major languages. Studying Spanish, therefore, opens the door to opportunities for study, travel, work and research in many more countries.

There are a number of careers where ability in foreign languages is a requirement. In addition, it is a useful skill in a number of others. More and more people are now taking advantage of the opportunity to work in Europe and Latin America and the ability to speak Spanish can also be an advantage in multi-national organizations – many have increased business links with Europe.

The I.G.C.S.E. course aims at preparing and enabling students to use Spanish for practical purposes, mainly by helping students develop competence in all four skills of language i.e. listening and speaking, reading and writing. Role-play, written grammar exercises, listening, comprehension exercises, reading, etc. are all used in the teaching of Spanish. The department also aims to encourage students to develop a lasting interest in the contemporary culture of Spain and the Spanish speaking world.

Careers:

Some careers in which a foreign language may be useful are:

- ❖ Air Cabin crew
- ❖ Banking /Bureau de change
- ❖ Bilingual Secretary
- ❖ Broadcasting
- ❖ Business management
- ❖ Catering industry
- ❖ Civil service
- ❖ Customs and excise
- ❖ Diplomatic service
- ❖ Immigration
- ❖ Exporting/ Importing
- ❖ Foreign correspondent
- ❖ Hotel management/ receptionist
- ❖ Interpreting
- ❖ Journalism
- ❖ Law – particularly International law
- ❖ Librarianship
- ❖ Sales & Marketing
- ❖ Overseas representative
- ❖ Teaching languages
- ❖ Translating
- ❖ Travel & Tourism

How is Spanish examined at I.G.C.S.E.?

An overall I.G.C.S.E. grade of **C** and above is required for all the careers listed above. There are four examinable papers:

- | | | |
|---------|-----|--|
| Paper 1 | 25% | <u>Listening</u> : - Short answers and multiple choice. |
| Paper 2 | 25% | <u>Reading and Writing</u> : - short question testing understanding of prose. |
| Paper 3 | 25% | <u>Oral</u> – A role play; a pre-prepared topic for conversation and general conversation. |
| Paper 4 | 25% | <u>Extended writing</u> : - two essays; one short and one long essay. |

Brookhouse School

Magadi Road, Langata

P.O. Box 24987, Nairobi, 00502 Kenya

Telephone: (254 20) 2430261-6

Fax: (254 20) 2430269

E-mail: info@brookhouse.ac.ke

Website: www.brookhouse.ac.ke