

KS 4 - IGCSE

Key Stage 4, Year 10 & year 11

The year 10 is a very important year in the academic development of the students. Towards the end of the year 9 they choose which subjects they wish to study as IGCSEs and they continue with these subjects for the next two years. In all, students take 7 IGCSEs at the end of the year 11.

Some subjects are still compulsory and all girls study Arabic, Sharia, English , Mathematics, ICT, Biology and Humanities Arabic. In addition, they have a timetabled Homeroom time which is used to discuss various issues and also allows some time for careers guidance.

Available IGCSE Compulsory Subjects

Subject	Number of Periods
English	5
Mathematics	4
ICT	4
Biology	4
Arabic	4

There are two classes of each of the above subjects. Mathematics sets are arranged according to ability so that girls who find the subject more difficult can have

greater individual attention. English sets are organized based on English as first or second language based on their English ability.

Students who have chosen to study the separate sciences will have **four periods** each of **Biology, Chemistry** and **Physics**.

Available IGCSE Option Subjects

Chemistry	Physics
Business	Geography
Art	Travel & Tourism

All IGCSE courses are allowed **four periods** in both year 10 and 11 except English which have **five periods** in the year 11 .

English

The English department supports students to explore a variety of fiction and non-fiction texts and to learn how to use the English language for effective communication in our contemporary world.

Why study this subject?

Students are encouraged to develop their strategies for reading and communicating well in English which supports their success in other English medium subjects such as science, mathematics, history, geography and English Humanities.

Teachers use a variety of methods and resources to appeal to students in their classes. The English Curriculum is delivered using interactive whiteboards and Power Point presentations to complement reading and writing and speaking and listening tasks. Students are encouraged to do pair and group work as well as individual work to complete assignments and projects.

On a weekly basis, students have scheduled library lessons during which time they have the opportunity to borrow books and to do self-directed reading. In addition, students have opportunities use their practical ICT skills to create Power Point presentations for speaking and listening assessments.

What we do at KS4

For IGCSE, (year 10 and 11) separate First and Second Language courses are taught and the Cambridge Examination Board is followed. First Language students study a variety of fiction and non-fiction texts and further develop their textual analysis and writing skills in preparation for the IGCSE exams (Paper 2 and Paper 3) at the end of year 11.

Second Language students focus on developing their comprehension, summarizing and writing skills in addition to their speaking and listening skills in preparation for their IGCSE exams at the end of year 11.

How will this help our students?

The English Department provides various opportunities for students to expand their English language speaking and writing skills. All students can

participate in Book Week which includes writing competitions and other activities. Students at KS4 are encouraged to participate in debates in and outside of the school. Over the past few years, students have participated in the Thimun Qatar MUN conference which allows them to utilize their speaking and listening skills in a conference setting modeled on the United Nations. In addition, educational trips which are related to schemes of work are scheduled to venues such as Katara, Mathaf and the Museum of Islamic Art.

ICT

Why study this subject?

Computing is of enormous importance to the economy, and the role of Computer Science as a discipline itself and as an 'underpinning' subject across science and engineering is growing rapidly. Computer technology continues to advance rapidly and the way that technology is consumed has also been changing at a fast pace over recent years. The growth in the use of mobile devices and web-related technologies has exploded, resulting in new challenges for employers and employees. For example, businesses today require an ever-increasing number of technologically-aware individuals. This is even more so in the gaming, mobile and web related industries and this specification has been designed with this in mind.

What we do at KS4

IGCSE ICT is not just useful to those candidates intending to follow a higher education course or career in Information and Communication Technology or an associated area. Those with other interests or aspirations can also benefit from the many transferable skills that are inherent in the study of ICT. The qualification provides an excellent foundation for using ICT in higher education, future employment and the world of work.

For IGCSE, ICT follows the Cambridge International Exam. The course is designed to give students the necessary skills to use basic software as well as covering theory work and allowing students to gain an awareness of the importance of IT in a rapidly changing society. Students will gain their skills from textbooks, class discussions and projects which they will be expected to undertake.

Business Studies

Why study this subject?

Business Studies is an option for students in Year 10 & 11 and is also offered at AS Level.

We offer our students a basic grounding of the skills required for today's rapidly changing business world, then IGCSE Business Studies will provide this.

What we do at KS4

The Edexcel International GCSE in Business Studies is designed as a two-year course. As students progress they are introduced to new ideas and concepts while continuing to use and reinforce previously learned concepts and skills. The course is designed to give students a sound understanding of business and the ability to use knowledge, skills and understanding appropriately in the context of international markets and the United Kingdom (UK).

PE

Why study this subject?

A high-quality physical education curriculum inspires all pupils to succeed and excel in competitive sport and other physically-demanding activities. It should provide opportunities for pupils to become physically confident in a way which supports their health and fitness. Opportunities to compete in sport and other activities build character and help to embed values such as fairness and respect.

What we do

We follow the British National Curriculum for physical education, which aims to ensure that all pupils develop competence to excel in a broad range of physical activities along with being physically active for sustained periods of time. We endeavor to engage in competitive sports and activities and encourage and educate the students to lead healthy, active lives.

We offer a range of sports including;

- Basketball
- Athletics
- Football
- Swimming
- Aerobics
- Badminton
- Volleyball

How will this help our students?

We offer a range of competitive opportunities where the students can participate in a number of matches for the school, along with the opportunity

to take part in the School Sports Olympic Programme. This allows them to compete against other students from schools around Doha.

Art

Why study this subject?

Art, craft and design embody some of the highest forms of human creativity. A high-quality art and design education should engage, inspire and challenge pupils, equipping them with the knowledge and skills to experiment, invent and create their own works of art, craft and design. As pupils progress, they should be able to think critically and develop a more rigorous understanding of art and design. They should also know how art and design both reflect and shape our history, and contribute to the culture, creativity and wealth of our nation.

What we do at KS4

Cambridge IGCSE Art and Design is designed as a two year course for examination at age 16 plus.

Course Objectives

It encourages candidates to develop

- 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 where appropriate;
- experience of working in relevant frameworks and exploration of manipulative skills necessary to form, compose and communicate in two and/or three dimensions;
- 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.

Geography

Why study this subject?

The world in which we live is likely to change extensively in the next 50 years. Our role in that change is more important than ever. Geography explains the changes and helps to prepare people. It is a subject about now and the future. Geography gives a balanced viewpoint which is good preparation for the world of work.

What we do at KS4

For IGCSE we study the Edexcel syllabus where the main topics are the natural environment, resources and production, population and settlement as well as the related topics of globalisation, human welfare and sustainability.

There is an emphasis placed on the relationship between people and the environment.

The subject content will be specified in such a way that students can explore the geography of their own countries and others around the world, with case studies being used to exemplify key ideas. The students are required to undertake fieldwork and other practical exercises to underpin knowledge and understanding, as well as to illustrate the key idea. The aim is for students to become competent in the use of a range of skills and techniques.

Geography encourages students to explore and investigate the world around them, giving them a sound understanding of

Some of the Career opportunities for Geography

- Urban planning
- Business management
- Recreation and tourism
- Exploration
- Law
- Teaching
- Journalism and the media
- Environmental management
- Political analysis
- Marketing
- Economic planning
- Disaster administrator
- Engineering
- Oil companies

Travel & Tourism

The Cambridge International GCSE in Travel and Tourism is designed for use in school and college as a two year course. Throughout the course students are introduced to new ideas and concepts that they may have experienced throughout daily life. The course is designed to give students a sound understanding of the Travel and Tourism sector.

Course Objectives

The objectives of the Cambridge IGCSE Travel and Tourism syllabus are to provide candidates with:

- understanding of the travel and tourism industry
- theoretical knowledge of the industry and related sectors, including knowledge of travel and tourism products and services, the infrastructure on which they depend and the transport system needed to operate them
- practical ability in a range of skills and procedures related to working in the travel and tourism industry, including knowledge of the essential personal and professional skills required by individuals working in the service sector
- critical awareness of the physical, social and economic environments in which travel and tourism takes place, including understanding of the global, regional and local perspectives of travel and tourism.

The syllabus develops a clear understanding of the relationship between the theory and practice of working in travel and tourism. Candidates are encouraged to develop an understanding of tourist industry operations and problems, and competence in identifying procedures and solutions, by using best practice from industry, established business techniques and information systems. Through investigation, candidates apply their knowledge and skills in a detailed study of a particular aspect of the travel and tourism industry.

Assessment

Two externally assessed exams consisting of the following:

Paper 1 - Short answer paper. Total 100 marks (60% of total marks) 2 hours.

Paper 2 - Short answer paper based primarily on Unit 5 of the syllabus. Total 100 marks (40% of total marks) 2.5 hours.

Course outline

The course examines the following: The travel and tourism industry, features of worldwide destinations, customer care and working procedures, travel and tourism products and services and the role of marketing and promotion within travel and tourism.

Mathematics

The Math department: our department has 6 academic qualified teachers. We offer a wide range of courses and teach for all levels from KS3, KS4, and KS5

Secondary teachers work with young adults in Years 7 – 12 (ages 11 – 18) in intermediate, middle, area and secondary schools. As a Secondary teacher you inspire your students, encouraging them and giving them the skills and enthusiasm they need to make a positive difference in the world. Mathematics and Statistics underpin almost every aspect of today's society. Whether it is technology, business, science, social science or education, mathematics and statistics are used.

Why study this subject?

Our School is offering a British international curriculum, Cambridge international examination CIE

For schools, Cambridge IGCSE offers a flexible and stimulating curriculum, supported with excellent resources and training.

For learners, Cambridge IGCSE helps improve performance by developing skills in creative thinking, enquiry and problem solving. It is the perfect springboard to advanced study.

Recognition: Cambridge IGCSE is widely recognised by higher education institutions and employers around the world as evidence of academic achievement. Many universities require a combination of Cambridge International A Levels and Cambridge IGCSEs to meet their entry requirements. <http://www.cie.org.uk/Images/122564-cambridge-recognition-brochure.pdf>

The Cambridge Curriculum is founded on the values of the University of Cambridge and best practice in schools. The curriculum is dedicated to developing learners who are confident, responsible, innovative and engaged. Each curriculum framework for English, mathematics, and science is designed to engage learners in an active and creative learning

<http://www.cie.org.uk/programmes-and-qualifications/cambridge-secondary-2/cambridge-igcse>

Find out more about [Cambridge IGCSE subjects/](#)

What do we do at KS4

The Cambridge Secondary KS4 mathematics curriculum is presented in IGCSE

Cambridge IGCSE is an international curriculum and is widely recognized by higher education institutions and employers throughout the world. It enables students to gain skills in creative thinking, enquiry and problem solving, and gives them excellent preparation for the next stage in their education.

Cambridge IGCSE uses a tiered approach so as to offer a diversity of routes for students of different abilities. Students will follow either a Core or an Extended curriculum, depending on their examination performance. However, they can change level during the course according to their progress. Grading is on an eight-point scale (A*-G) and grades A to E are equivalent to O level grades A to E. In some countries, IGCSE qualifications will satisfy the entry requirements for university. In others, they are widely used as a preparation for A level and AS.

Core curriculum students are eligible for grades C to G. Extended curriculum students are eligible for grades A* to E.

Cambridge IGCSE offer a variety of Mathematics syllabus (syllabus with or without coursework) and Cambridge IGCSE Mathematics 0850 (without Coursework) has been chosen to be offered in schools in Brunei. Hence, students are assessed by written papers only. This scheme of work is for those students taking 2 years course.

Quick links

- [Syllabus changes 2014](#)
- [Cambridge IGCSE recognition](#)
- [Find an event or training course](#)
- [Sign up for email updates](#)
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Teaching materials

We have a wealth of teaching and learning materials to help you plan and deliver the Cambridge IGCSE programme. They suit a wide range of teaching methods and different international contexts and include:

- Teaching schemes of work and lesson plans
- Textbooks and publisher resources
- Example candidate responses (standards booklets)
- Mapping documents to explain how the resources support teaching
- Exam preparation materials.

The exam preparation materials, including mark schemes, examiner reports, previous examination papers and results statistics by grade and subject, enable you to provide valuable feedback, to identify learner strengths and weaknesses, before final assessment.

Science

In addition to teaching the basic principles, students are encouraged to develop both their investigative and ICT skills. The modern laboratories are well equipped with a range of apparatus and an interactive Promethean board. The Science Curriculum is delivered in a variety of teaching styles including PowerPoint presentations, scientific experiments and demonstrations. Students are also given opportunities for independent work such as research projects.

What we do at KS4

For IGCSE, separate Sciences are taught and the Cambridge Examination Board is followed. The principles are taught in greater depth and investigative skills are also further developed. In addition to the coursework component and the external examinations which take place in years 11, **Biology is compulsory for all the students** whereas Physics and Chemistry are optional subjects. All the Sciences has three different papers; Paper 1 (Multiple Choice) paper 3 (Theory Paper) and paper 6 (Alternative to practical). Students are required to attend 4 lessons a week of their chosen Sciences.

Students are frequently assessed within the department to closely monitor their individual progress.

How will this help our students?

We provide numerous opportunities for students to develop their scientific knowledge and understanding outside the classroom. Students are encouraged to participate in scientific research -Al Biraq- organized by Qatar University. Trips are arranged to places of interest throughout the year such as trip to Science centre and Shaf alah centre

