

## KS5 -AS

### Key Stage 5, Year 12

We have a wide variety of AS Level subjects on offer for all the students who complete year 11 and would stay in our school. The subjects we are offering are:

Arabic	Biology
Chemistry	Physics
English language	Business
ICT	Mathematics

Students continue to study Sharia, Humanities Arabic. In addition to that students will have PE and English support lessons.

### 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 KS5**

At KS5, year 12 students may study AS English Language or take English Support.

### **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.

## General Subjects

The General Subjects Department is made up of a range of subjects, which include, ICT, PE, Art, Humanities English, Geography and Business Studies.

In KS3 (Years 7-9) we follow the British National Curriculum, whilst in KS4 the students study for IGCSEs which is a two-year curriculum programme resulting in the attainment of a certificate that is internationally recognised by schools, universities and employers. In KS5 (Year 12) students study towards the AS Level exams.

Throughout the department we offer the students a range of opportunities and trips. This can be Art trips to the Museum of Islamic Art or ICT trips to Spinney's. There are numerous competitions that take place throughout the year in Art, PE and ICT. In the Summer Term, there is a business enterprise project that takes place as well as the annual school Fun Day.

## 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 moreso in the gaming, mobile and web related industries and this specification has been designed with this in mind.

### **What we do at KS5**

In a world where information and communication technology (ICT) is constantly changing, individuals increasingly need technological and information literacy skills that include the ability to gather, process and manipulate data.

The impact of ICT on society is enormous and as the percentage of businesses and households connected to communication networks such as the internet grows, so does the need for individuals who understand these new technologies.

This syllabus encourages students to become effective and discerning users of ICT. It helps them to develop a broad range of ICT skills, knowledge and understanding. Students gain an understanding of the structure and use of ICT systems within a wide range of organisations, including the use of a variety of computer networks. As a result, students learn about ICT system life cycles, and how these affect the workplace. They also gain an understanding of the wider impact of ICT on society in general.

## **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 KS5**

Students study for the Advanced Level qualifications in Business Studies. We aim for students to be able to develop and interest and enthusiasm along with a holistic understanding for business. Students develop a critical understanding of organisations and their ability to meet society's needs and wants together with the knowledge to help solve business problems and issues. It is important for students to be aware of the ethical dilemmas and responsibilities faced by organisations and individuals in conjunction with acquiring a range of relevant business and generic skills, including decision making, problem solving, the challenging of assumptions and the quantification and management of information.

## **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.

## 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 KS5?**

The PEARSON Secondary KS5 mathematics curriculum is Presented in GCSE (year 12 and year 13) the school offer Edexcel curriculum

### **Edexcel Core Mathematics KS5**

#### **How will this help our students?**


In 2013, the Department for Education announced plans for new mathematics qualifications for 16–18 year olds. We're currently developing an Edexcel Core Mathematics qualification, which will:

- be designed for students who **achieve an A\* to C in GCSE Mathematics**, who choose not to continue with AS-level or A-level Mathematics;
- be measured as a **Level 3 qualification**, accredited by Of equal\*, equivalent in size to an AS qualification;
- support **student progression** by preparing learners for the mathematics requirements of a number of higher education courses;
- **develop students' understanding** and ability to apply mathematics, and become equipped to apply for employment or higher apprenticeships in a

widerange of industry sectors, professional training or university;

- mathematical techniques that can be directly applied to real life contexts;
- reflect the content of the new GCSE Mathematics; for more details
- <http://www.edexcel.com/quals/gcse/gcse10/maths/Pages/other-quals.aspx>
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#### Related links

 [Transition schedule from Edexcel International GCSE from 2003 and Edexcel O level to Edexcel International GCSE 2009](#)

## The Edexcel Certificate | Mathematics

### **Key subject aims:**

- To develop a knowledge and understanding of mathematical concepts and techniques
- To give students a foundation in mathematical skills for further study in the subject or related areas
- To enable students to enjoy using and applying mathematical techniques and concepts, and become confident in using mathematics to solve problems
- To give students an appreciation of the importance of mathematics in society, employment and study.

### **Unique features and benefits of the specification**

- Tiers of entry that allow students to be entered for the appropriate level
- Levels that are equivalent to Edexcel's UK GCSE in Mathematics
- A full range of teacher support and resources

### **Assessment and progression**

- Two tiers. Two papers designed to be accessible to students of all abilities within the appropriate tier
- Grading A\* to G
- A solid basis for students wishing to progress to Edexcel AS and Advanced GCE level, or equivalent qualifications.
- Our School has an international reputation for excellence in research and in teaching so come and join us

## Science

The Science department aims to motivate and inspire students to learn about how Science affects the world in which they live.

### **Why study this subject?**

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 KS5?**

- All three Sciences are offered at AS level following the Edexcel curriculum. Students have to appear for 3 papers at the end of AS including Unit 1; Unit 2 and Unit 3 (Alternative to Practical). Students have to attend 6 lessons a week of their individual Science subjects they are taking.
- Students have to have achieved at least grade C or above in IGCSE (CIE) or B from other exam boards in order to be accepted for an AS course.

### **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

## **Global Perspective**

Cambridge International AS & A Level Global Perspectives and Research is a skills-based course that prepares learners for positive engagement with our rapidly changing world. Learners broaden their outlook through the critical analysis of – and reflection on – issues of global significance. They will develop unique, transferable skills including research, critical thinking and communication by following an approach to analysing and evaluating arguments and perspectives called the 'Critical Path'.

Collaborative skills are enhanced through participation in a team project. The skills gained through study of this course help students to meet the demands of Twenty-First century learning, preparing the transition to higher education and the world of work.

As part of the course learners write a research report on a research question of their choice.



