

The Complete

OPTIONS

AS/A Level Prospectus

A Guide to Subjects to Help with Post-16
Choices, at International School of
Creative Science



Welcome to ISCS Sixth Form

Dear Parents and Students

This booklet is designed to give guidance to both students and parents about the courses that we offer at KS5. Our curriculum paves the way to excellent progression routes to further studies, allowing our students to fulfil their aspirations in an ever changing and demanding society. We aim to provide the right academic environment for our students to make informed decisions regarding their future ambitions. Our challenge is to ensure that we provide all students with a curriculum that will enable them to gain internationally recognised and respected qualifications in a wide range of subjects.

The AS/A Level Course is a one/two-year curriculum programme with external assessments and examinations in Year 12, Mock Exams in Year 11 and final external examinations at the end of Year 11. The courses, with an awareness of students' needs in the international community, have been developed in line with the UK National Curriculum.

The great strength of our Year 12 and 13 curriculum is that it is broad, balanced, differentiated and relevant.

- *Broad a wide range of subjects across all of the academic disciplines is studied
- *Balanced an appropriate amount of time is being given to each subject area
- *Differentiated to enable each student to reach his/her full potential
- *Relevant relates to students having a wide range of educational backgrounds, abilities and aspirations

The two-year A Level examination program offers an educational experience second to none and is an ideal preparation for further study either here or at any other school in the world.

On behalf of the staff at ISCS, I wish your child every success in their studies. Please do not hesitate to contact the school should you have any further questions or queries.

Dr Fahd Kahlaoui- Assistant Principal



Welcome to the ISCS Sixth Form

You will find Year 12/13 (well known as AS/A2-Level) a completely different experience to your previous school life. Our expectations of you will be as high as ever in terms of your attainment, attendance, uniform, and punctuality to lessons, but there is no doubt that you will find studying for A levels liberating and empowering. You will have more freedom and independence compared to before, but coupled with this, there must be an acceptance of the need to be responsible and self-disciplined.

What is the Sixth Form?

The Sixth Form comprises Years 12 and 13 and acts as the bridge between school and higher education. The term 'Sixth Form' survived the United Kingdom's Education Reform Act which changed the labeling of classes in secondary schools from 'Forms' to 'Years' in 1990. Until then the five years of compulsory secondary education were followed by two years in the Lower Sixth (Year 12) and the Upper Sixth (Year 13). Even after it was meant to be replaced, however, the Sixth Form survived as an entity largely because of its traditional association with standards of excellence, both in academic and social terms.

During the course of their one or two years of study, the students are also advised on university applications and career options to ensure that they fully understand the range of demands that these will place on them.

Being a member of the Sixth Form brings with it great privileges in terms of more free time to study and the use of the Common Room. In exchange for this, the school expects Sixth Form students to take on extra roles and responsibilities and make full use of the study room sessions available and time tabled into the students schedules.

ISCS Sixth Form aims to provide a unique education in keeping with the Islamic core values, preparing students with the knowledge and the skills they need to pursue further education locally and internationally. Students will gain leadership skills; will be trained to take responsibility as growing adults and above all to be independent. ISCS will also create opportunities for work experience, social skills and mentoring sessions in managing their life whilst being taught in a challenging and rewarding environment.

We look forward to a rewarding and successful academic year together.



Mission

To ignite a passion for learning, by creating an inclusive community which fosters virtues, innovation, and best practice focused on achieving successful outcomes for all our students.

School Values



Vision

Lighting the way to excellence rooted in faith, cultivating life-long learners and global citizens equipped with a moral compass.

Our curriculum aims

We aim to offer an innovative and creative curriculum which develops our students' employability skills and prepares them for their future career aspirations. Islamic values are a core part of our curriculum.

Key features of our curriculum

- Use of innovative technology
- Development of science skills
- Employability skills (work experience)
- Curriculum based on students' future career aspirations and industry needs
- Islamic values and faith-based curriculum



Where to Next?

Students leave Intl School of Creative well equipped with the qualifications needed to go on to Higher Education. Each examination passed counts towards universities and colleges requirements. It is important that students joining the Sixth Form are good in the Arabic subjects both ASL and/or 1st Language Arabic since it is mandatory to pass these subjects to graduate from Sixth form with all required certificates attested. This enables students to make the best application possible with the most appropriate choice of institutions and course in the UAE/Middle East. Students from Intl School of Creative are also placed onto prestigious well known international universities and courses e.g Kings' and Imperial College University of London as well as a wide variety of other universities and colleges in other countries e.g Canada, US, Australia.

As we regard our senior students ISCS Sixth Formers to play an important role as leaders in the school community, we have created many opportunities for them to develop a variety of skills to the highest possible level. Students are recommended to accumulate at least 20 hours of community service in/out of school. The below opportunities are available to our students:

- Science Lab Technician
- English, Science, Maths or PE Teaching Assistant
- Take part in the Leadership programme to organize events on their own for a group of students and manage the whole process from planning to implementation e.g. Sports Day
- Yearbook for the whole school
- School Newsletter
- Helping during Salaat time
- Working alongside with Admin staff in different areas
- Helping/mentoring Year 11 with the students' council
- Working alongside key members of the school, including the school nurse and social worker



Courses at a glance



AS, A2 Subjects

Biology
Business Studies
Computer Science
Chemistry
Economic
English Literature
Accounting
Mathematics (Mechanics/Statistics)
Physics
Psychology
Geography
Sociology
Graphic Design

Arabic
Islamic
Quran
PE
Key Skills



YEAR 12

For most students the Advanced Subsidiary (AS) courses are the only ones that they take in Year 12. Others take a mixture of AS courses with re-sits and/or new IGCSEs that are offered to give those who have achieved less than 5 grade 4 and above the chance to get them.

To secure a place in the Sixth Form, students should have a minimum of 5 grade 9 - 5 at IGCSE and a further minimum of grade 7 (Mathematics & Sciences) or a grade 6 (Other subjects) that they wish to study at AS. As years of data relating to student performance in post-16 education demonstrates, the vast majority of students who fail to meet that basic requirement do not fare well at AS Level because the demands of the courses are far greater than they are at IGCSE.

Students are unlikely to progress to an AS subject unless they meet the subject requirements at IGCSE. Good pass grades (C and above) in at least two AS levels, as well as 5 x 9 - 4 at I/GCSE are required by a wide range of colleges and universities within the UAE and at some institutions elsewhere in the world. To secure a place at the world's most prestigious universities, a further year of study in Year 13 is recommended.

YEAR 13

Student will continue studying their AS subjects from year 12 into full A Level Qualifications in year 13. We recommend that student should achieved at least a C grade at AS before taking on the demands of A2 in year 13. Students who complete the full A levels will have a significantly wider range of international universities that they can attend. Success at A2 level guarantees a place at an excellent university and, in some cases, earns course credits at universities in Canada and America. The depth and breadth of study involved ensures that students develop the knowledge and the skills that will facilitate a smooth transition between school and higher education. A well-respected qualification, A2 has the same status as the International Baccalaureate Diploma and the American Advanced Placement tests.

Those applying to the UK are registered online with the University and Colleges Admissions Service (UCAS) and most of those looking at the United States will need to do so with the Common Application Service. Universities in most Canadian provinces require individual applications but those based in Ontario rely on the Ontario Universities Application Centre (OUAC) to coordinate this for them. Applications made through UCAS, CA and OUAC are sent out to several universities at the same time, saving the student a lot of time and effort

Full guidance and support will be provided to all students from year 12 to help them prepare for university.



Entry Requirements

ISCS Sixth Form Entry Requirements - ISCS Students only

Academic entry into ISCS Sixth Form normally requires a grade 7 (for Mathematics & Sciences) or a Grade 6 (other subjects) that students want to study at AS Level and that students have achieved at least 5 IGCSE subjects with grade 4 or above. We shall discuss individually with you and your parents any case where it turns out that you do not meet the minimum requirements, so that we can all agree how best to use the rest of your Academic career with ISCS.

The most important entry qualification, however, is your personal commitment. Our range of A-Level courses gives you a wonderful opportunity to choose a programme which is individually suited to you: to build on the knowledge and skills which you have developed up to Year 11 and to apply them in an increasingly specialised programme which will allow you to move on into Higher Education or work.

Entry Requirements for ISCS Students:

- Students can study a maximum of 4 A2/AS Level English courses however are recommended to take at least 3 subjects in year 12.
- Arabic is not considered part of the minimum 2 AS/A2 Level courses.
- To be accepted onto the AS Level courses, students from IGCSE should fulfil the minimum requirements of 6 grade 9 - 4 and a meet the entry requirement of the subject they want to study in Year 12.
- If you achieve Grade C and above at AS Level, you may continue onto the A2 Level programme with a maximum of four A2 Level subjects.
- Full-time A levels are normally allocated 6 lessons per week. Arabic Language and Islamic Studies are two compulsory subjects by The Ministry of Education at Year 12 & 13. Students will also be taking the compulsory Quran sessions as part of Year 12 & 13.
- Students not meeting the minimum requirements listed above will not be accepted into the Sixth Form.



Entry Requirements for External Students:

- As above with the following extra requirements listed below
- For External Students: requirements are 6 grade 9 - 5 with grades 7 or above in the subjects they want to study at AS or A Level.
- Students intending to join us in Year 13 should have completed Year 12 with minimum C grade, and we only accept students from Edexcel or JCQ approved exam boards.
- GCSE students are required to undergo interview and possible entrance exams.
- CBSE or students coming from US/Arabic curriculum are generally not accepted on the GCE Courses. However, Students could be accepted via an entrance exam and interview.

Whilst on the course the school has the right to sanction anyone not complying with school procedures. In very exceptional cases, the school can also decide to remove someone off a course if they are not performing as they should or causing hindrance to the learning of others as well as their own learning. Sixth formers have the responsibility to behave like growing adults and should always be a role model for the younger students.

Intl School of Creative Science - AS/A Level Admission Procedures & Information

- ✓ Admission to Sixth Form is based on first come first served basis.
- ✓ Prospective parents may register interests to join the ISCS Sixth Form at any time during the academic year in IGCSE/GCSE (Year 11) and places are not confirmed until IGCSE/GCSE results are provided in the form of an original statement of results from the relevant exam board, original IGCSE/GCSE certificate and/or attested IGCSE/GCSE copy of the certificate at the beginning of the academic year in Year 12 or 13. Furthermore, it is important to note that proper transfer certificate and registration documents are required to complete the registration process with Ministry of Education in order to register the prospective student on our roll.
- ✓ Entry to Sixth Form is only acceptable at the beginning of the academic year in Year 12. Students cannot join the Sixth Form to study AS/A Level courses during or later in the academic year.
- ✓ Entry to Sixth Form is based on the prospective student attaining and meeting grades requirements.
- ✓ Prospective students/parents should email the Head of Secondary (cagdaz.Degirmenci@iscs.sch.ae) or call on +971 6 534 4444 Ext 3589 at the end of August to enquire about entry to Sixth Form and complete the Sixth Form Registration if full entry requirements are met.
- ✓ If accepted, the first step will be a formal interview with the Head of Secondary and prospective student including their parents. During this meeting, a learning contract will be signed (this is mandatory for all students who are/not ISCS students).
- ✓ If required, an entry exam will be taken for the subject chosen to study in Year 12/13. An attested good conduct certificate for students within Middle East is required, and in the event the student is coming from outside the Middle East, a character reference on a school letter head with school stamp/seal is a must.
- ✓ A copy of Year 10 and 11 Report Card is also required to keep on file for University Requirements purposes.



- ✓ Students can only attend registered AS/A Level courses chosen to study in Year 12/13.
- ✓ Specifications taught in Sixth Form are from Edexcel UK approved JCQ Exam Board.
- ✓ Students transferring to join ISCS Sixth Form in year 13 can only do so if they are transferring from an Edexcel Centre or approved JCQ exam board with all exams taken in year 12 from Edexcel or JCQ Board Post-16 specifications. The transferring exam centre/student should also provide ISCS with their UCI (Unique Candidate Identifier number).

Studying in the Sixth Form

The Year 12 and 13 timetable will have a number of 'Free Sessions' depending on the number of A level courses as student selects, therefore it is extremely important that this time is used responsibly and effectively.

Below are key points that sixth form students must follow:

- Most Year 12/13 students will have lots of unsupervised sessions. During the free times students are asked to work independently and arrange meeting with subject teachers for extra help/clarification.
- At the start of Term 1, students will sit with the Head of Secondary, and depending on their course load, sessions will be allocated for mandatory study sessions in the library. These sessions are timetabled into each student's study schedules. It is important to note, these study sessions are not optional, and failure to attend may result in student being on attendance report.
- There is no Early Leave option for students in Year 12, unless under special circumstances. In this case, a meeting is required with the head of secondary and a letter of consent signed.
- There is always background reading, research, reviewing and learning to do even if ALL work that is to be marked has been completed and handed in.
- Appointments, where possible should be arranged out of school hours, BUT if this is impossible, under no circumstances should they be arranged during timetabled lessons with the exception of sickness which also requires a doctor's note if more than 1 day and up to 1 day a parental note is enough.
- Absence from lessons causes loss of continuity which can lead to problems and should therefore be kept to an absolute minimum. Under NO circumstances should students take holidays during term time unless this is an UNAVOIDABLE FAMILY emergency. (Please check dates of module exams and avoid taking holidays during/before/after those dates).
- Absence notes are still required in the Sixth Form; a parental phone call informing the school that a student is about to be absent is also very helpful. In the event that you are absent more than one day, a doctor's note or a note from your parent is mandatory.
- Lateness notes are still required in the Sixth Form and will be available directly from the Sixth Form coordinator and respective supervisors. Punctuality to lessons is a must and teachers will have the right to refuse entry to lesson if this is not observed correctly.
- Students' behaviour policy is the same as secondary in additions to the following
- All students should be in school with the correct school's uniform at all times. Our male students are expected to have their hair cut normal, short and clean (no lines/gel/or any other style). During winter, school jumpers/cardigan should be worn. Shoes should be black or of dark colour with no other colours. Normal School shoes should be worn at all times. Trainers or any other type of trainers are not allowed. Students will take the sole responsibility of asking when in doubt.



What is GCE AS/A Level?

A-Levels (Advanced Level qualifications) are a UK subject-based qualification for students aged 16 and above. They are usually studied over two years, leading to qualifications recognised for entrance to higher education institutes in the UK and many others worldwide. The General Certificate of Education (Advanced Level) or A Level is the **'gold standard'** of International Qualifications. The International A Level is one of the most recognised qualifications around the world and it is accepted as proof of academic ability for entry to universities worldwide.

AS Level examinations are usually taken at the end of Year 12. Years 12/13 at ISCS are based on 5 hours (6 Sessions) of guided learning per week per subject. AS Levels are highly specialised and a student will normally take a minimum of three to a maximum of four subjects.

What subjects do A Level students take?

There are no compulsory subjects with A Levels. Instead, students are free to choose the topics that interest them the most or feel will benefit them for their future studies or careers. Students typically study three subjects. Our subjects include English Language & Literature, Maths, Biology, Physics, Chemistry, Geography, Psychology, Economics, Computing and Sociology. It's always best to check in advance which subjects the university course you are considering requires as this varies in different universities and countries.

Subject Guide

IAL

Business Studies

Subject of study in Year 12

Course Overview:

Pearson Edexcel International Advanced Subsidiary in Business

This qualification consists of two externally examined units. The International Advanced Subsidiary is the first half of the International Advanced Level qualification and consists of two IAS units, Units 1 and 2. This qualification may be awarded as a discrete qualification or may contribute 50 per cent towards the International Advanced Level qualification.

Unit 1

Marketing and People

- In this unit, students are introduced to the market, explore the marketing and people function and investigate entrepreneurs and business start-up.
- The examination lasts 2 hours. The paper is marked out of 80 marks. The paper will include short-open response and extended-writing questions, based on sources. The paper will include questions that require students to use quantitative skills.

Unit 2

Managing Business activities

- This unit enables students to develop an understanding of raising and managing finance, and measuring business performance. It outlines the importance of using resources efficiently within a business to ensure that goods or services can be delivered effectively and efficiently, and to a high quality.
- The examination lasts 2 hours. The paper is marked out of 80 marks. The paper will include short open-response and extended-writing questions, based on sources. Questions may require students to draw on their knowledge from Unit 1. The paper will include questions that require students to use quantitative skills.



IAL

Business Studies

Subject of study in Year 13

Course Overview:

Pearson Edexcel International Advanced Level in Business

This qualification consists of four externally examined units. The International Advanced Level consists of the two IAS units (Units 1 and 2) plus two IA2 units (Units 3 and 4). Students wishing to take the International Advanced Level must, therefore, complete all four units.

Unit 3

Business decisions and strategy

- In this unit, students develop their understanding of the concepts introduced in Units 1 and 2 and explore influences on business strategy and decision making.
- The examination lasts 2 hours. The paper is marked out of 80 marks. The paper will include short open-response and extended-writing questions, based on sources. Questions may require students to draw on their knowledge from Units 1 and 2.

Unit 4

Global Business

- Students investigate businesses that trade on a global scale and explore their reasons for doing so. Students develop an understanding of the globally competitive environment and consider the ethical and moral dimensions of global business activities.
- The examination lasts 2 hours. The paper is marked out of 80 marks. The paper will include short open-response and extended-writing questions. Questions may require students to draw on their knowledge from Units 1, 2 and 3.



IAL/AS

Biology

Subject of study in Year 12

Course Overview:

There are 3 units in total and the content is relevant for students who have achieved a GCSE in Biology and who want to study this subject at a higher level. The content has been updated from the previous Pearson Edexcel International Advanced Subsidiary in Biology and Pearson Edexcel International Advanced Level in Biology qualifications. It covers the major topics in biology, including biological molecules, diet, transport, health, cells, development, biodiversity, conservation, energy, the environment, microbiology, immunity, respiration, the internal environment, coordination and gene technology. It is recommended that students have at least a grade B in their English iGCSE as literacy demands in Biology are high.

Unit 1

- Comprised of two key topics;
- 1. Molecules, Transport and Health
- 2. Membranes, Proteins, DNA and Gene Expression
- First examination of this unit is in January
- Worth 40% of total A/S level and 20% of full A-level

Unit 2

- Comprised of two key topics;
- 3. Cell Structure, Reproduction and Development
- 4. Plant Structure and Function, Biodiversity and Conservation
- First examination in June
- Worth 40% of total A/S level and 20% of full A-level

Unit 3

- Students are expected to develop experimental skills, and a knowledge and understanding of experimental techniques, by carrying out a range of practical experiments and investigations while they study Units 1 and 2.
- First examination in June and worth 20% of total A/S level and 10% of full A-level



IAL/A2

Biology

Subject of study in Year 13

Course Overview:

There are 3 units in total and the content is relevant for students who have achieved A/S Biology (at least a C grade at A/S level) and who want to study this subject at a higher level. The content has been updated from the previous Pearson Edexcel International Advanced Subsidiary in Biology and Pearson Edexcel International Advanced Level in Biology qualifications. It covers the major topics in biology, including photosynthesis, respiration, forensics, evolution, nervous system and behaviour, to name but a few areas.. It is recommended that students have at least a grade B in their English iGCSE as literacy demands in Biology are high.

Unit 4

- Comprised of two key topics;
- 5. Energy Flow, Ecosystems and the Environment
- 6. Microbiology, Immunity and Forensics
- First examination of this unit is in January
- Worth 40% of total A2 and 20% of full A-level

Unit 5

- Comprised of two key topics;
- 7. Respiration, Muscles and the Internal Environment
- 8. Coordination, Response and Gene Technology
- First examination in June
- Worth 40% of total A2 and 20% of full A-level

Unit 6

- This unit will assess students' knowledge and understanding of the experimental procedures and techniques that were developed in Units 1, 2, 4 and 5.
- First examination in June and worth 20% of total A2 and 10% of full A-level



IAL/AS

Chemistry

Subject of study in Year 12

Course Overview:

The content is relevant for students who have achieved a GCSE in Chemistry and who want to study the subject at a higher level. The content has been updated from the previous Pearson Edexcel International Advanced Subsidiary in Chemistry and Pearson Edexcel International Advanced Level in Chemistry qualifications. It covers the major topics in chemistry, including molar calculations, structure and bonding, energetics, rates, equilibria, Group chemistry, transition metals and a range of organic chemistry; as well as associated experimental skills. Strong mathematical skills are required for this subject.

Unit 1

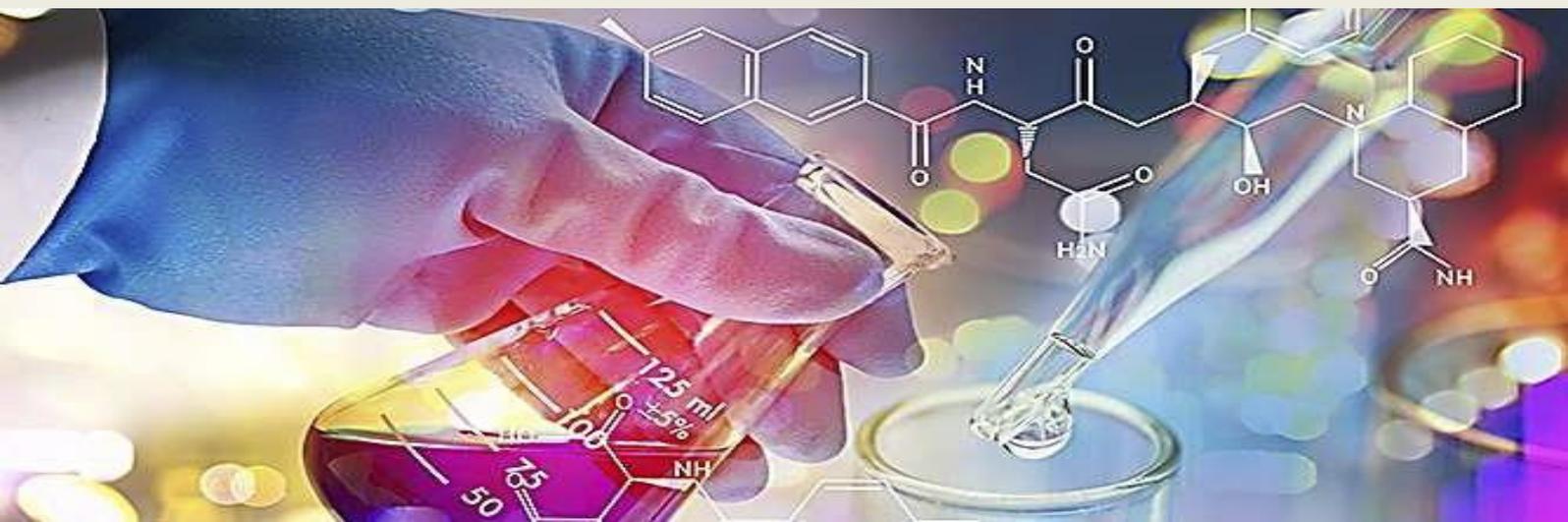
- Worth 40% of total A/S level and 20% of full A-level
- Comprised of the following topics;
 - Formulae, Equations and Amount of Substance
 - Atomic Structure and the Periodic Table
 - Bonding and Structure
 - Introductory Organic Chemistry and Alkanes
 - Alkenes
- First examination in January

Unit 2

- Worth 40% of total A/S level and 20% of full A-level
- Comprised of the following topics;
 - Energetics
 - Intermolecular Forces
 - Redox Chemistry and Groups 1, 2 and 7
 - Introduction to Kinetics and Equilibria
 - Organic Chemistry: Alcohols, Halogenoalkanes and Spectra
- First examination in June

Unit 3

- Students are expected to develop experimental skills, and a knowledge and understanding of experimental techniques, by carrying out a range of practical experiments and investigations while they study Units 1 and 2.
- First examination in June and worth 20% of total A/S level and 10% of full A-level



IAL/A2

Chemistry

Subject of study in Year 13

Course Overview:

There are 3 units in total and the content is relevant for students who have achieved a GCSE in Biology and who want to study this subject at a higher level. The content has been updated from the previous Pearson Edexcel International Advanced Subsidiary in Biology and Pearson Edexcel International Advanced Level in Biology qualifications. It covers the major topics in biology, including biological molecules, diet, transport, health, cells, development, biodiversity, conservation, energy, the environment, microbiology, immunity, respiration, the internal environment, coordination and gene technology. It is recommended that students have at least a grade B in their English iGCSE as literacy demands in Biology are high.

Unit 4

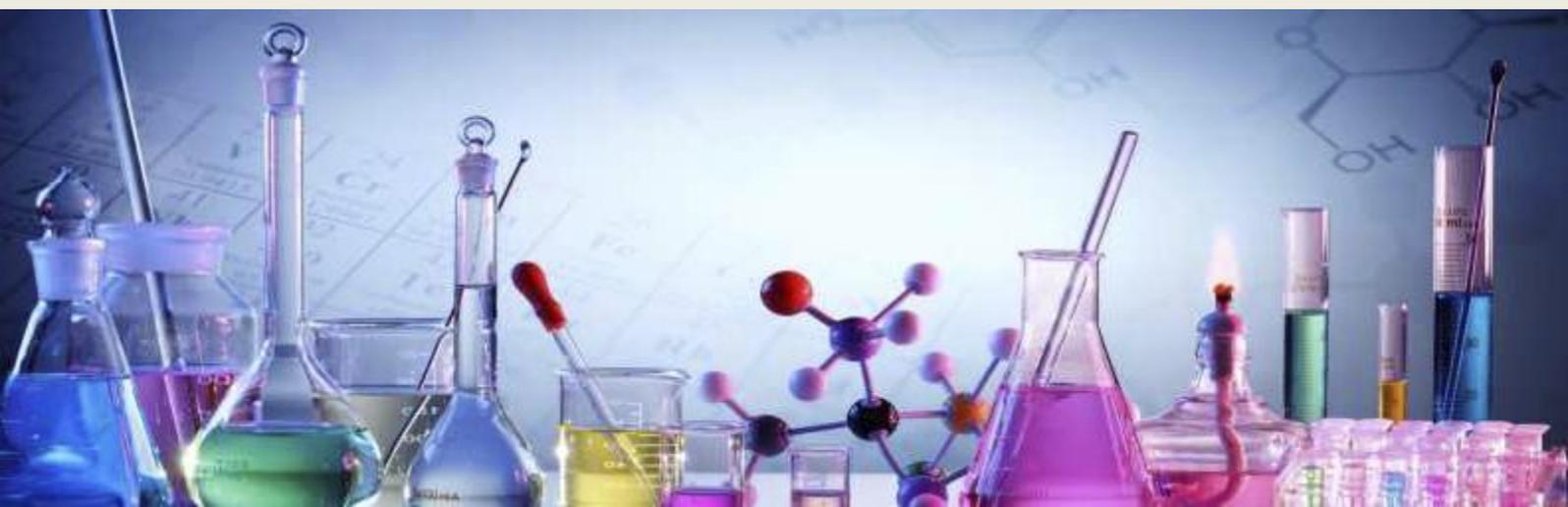
- Worth 40% of A2 level and 20% of full A-level
- Comprised of the following topics;
 - Kinetics
 - Entropy and Energetics
 - Chemical Equilibria
 - Acid-base Equilibria
 - Organic Chemistry: Carbonyls, Carboxylic Acids and Chirality
- First examination in January

Unit 5

- Worth 40% of A2 level and 20% of full A-level
- Comprised of the following topics;
 - Redox Equilibria
 - Transition Metals and their Chemistry
 - Organic Chemistry: Arenes
 - Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins
 - Organic Synthesis
- First examination in June

Unit 6

- Students are expected to develop further the experimental skills and the knowledge and understanding of experimental techniques that they acquired in Units 1 and 2 (tests for anions and cations, gases and organic functional groups) by carrying out a range of practical experiments and investigations while they study Units 4 and
- First examination in June and worth 20% of total A2 and 10% of full A-level



IAL

Computer Science

Subject of study in Year 12

Course Overview:

The aims of a course based on Cambridge International AS and AL Computer Science, whether leading to an AS or A Level qualification are:

- to develop computational thinking
- to develop an understanding of the main principles of solving problems using computers
- 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 □ to acquire the skills necessary to apply this understanding to develop computer-based solutions to problems.

Paper 1

Theory Fundamentals

- This written paper contains short-answer and structured questions.
- There is no choice of questions
- 75 marks
- Externally Assessed
- 1 Hour 30 mins Duration
- The AS weighting is 50%
- The A2 weighting is 25%

Paper 2

Fundamental Problem -solving and Programming Skills

- There is no choice of questions.
- Topics will include those given in the Pre-Release material.
- 75 marks
- Externally assessed
- 2 Hours Duration
- The AS weighting is 50%
- The A2 weighting is 25%



IAL

Computer Science

Subject of study in Year 13

Course Overview:

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.

This syllabus aims to encourage the development of computational thinking, that is thinking about what can be computed and how by the use of abstraction and decomposition. It includes consideration of the data required. Learning computational thinking involves learning to program, by writing computer code, because this is the means by which computational thinking is expressed.

Paper 3

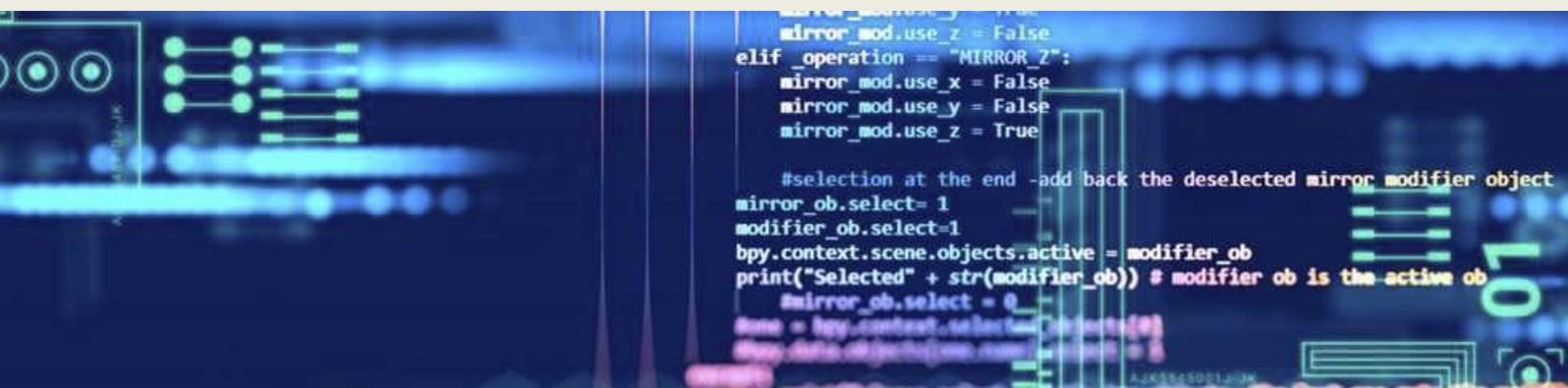
Advanced Theory

- This written paper contains short-answer and structured questions.
- There is no choice of questions
- 75 marks
- Externally Assessed
- 1 Hour 30 mins Duration
- The A2 Weighting is 25%

Paper 4

Further Problem -solving and Programming Skills

- There is no choice of questions.
- Topics will include those given in the Pre-Release material.
- 75 marks
- Externall assessed
- 2 Hours Duration
- The A2 Weighting is 25%



IAL/AS

Maths

Subject of study in Year 12

Pure Mathematics 1	Pure Mathematics 2	Statistics 1	Mechanics 1
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Content and assessment overview

Each unit:

- Is externally assessed
- Has a written examination of 1 hour and 30 minutes

Has 75 marks

Unit	*Unit code:	Availability	First assessment	IAS weighting	IAL weighting	Content overview
Pure mathematics units						
P1: Pure Mathematics 1	WMA11/01	January, June and October	January 2019	33%	16%	Algebra, Geometry, Trigonometry, Differentiation, Integration
P2: Pure Mathematics 2	WMA12/01	January, June and October	June 2019	33%	16%	Proof, Algebra, Geometry, Plane, sequences and series, Exponential and logarithms.
P3: Pure Mathematics 3	WMA13/01	January, June and October	January 202	NA	16%	Algebra and functions, trigonometry, exponentials, differentiation, integration.
P4: Pure Mathematics 4	WMA14/01	January, June and October	June 2020	NA	16%	Proof, algebra and functions, geometry, binomial expansion, differentiation.
FP1: Further Pure Mathematics 5	WFMO01/01	January and June	June 2019	33%	16%	Complex numbers, roots of quadratic eqns, numerical solutions, coordinate systems, matrix algebra.

IAL/A2 Maths

Subject of study in Year 13

Pure Mathematics 1	Pure Mathematics 2	Statistics 1	Mechanics 1
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QUALIFICATION OVERVIEW

Pearson Edexcel International Advanced Subsidiary

The IAL in Mathematics, Further Mathematics and Pure Mathematics each consist of three externally - examined units:

Qualification	Compulsory units	Optional units
IAS in Mathematics	P1, P2	M1, S1, D1
IAS in Further Mathematics	FP1	FP2, FP3, M1, M2, M3, S1, S2, S3, D1
IAS in Pure Mathematics	P1, P2, FP1	

Pearson Edexcel International Advanced Subsidiary

The IAL in Mathematics, Further Mathematics and Pure Mathematics each consist of three externally - examined units:

Qualification	Compulsory units	Optional units
IAS in Mathematics	P1, P2, P3, P4	M1 and S1 or M1 and D1 or M1 and M2 or M1 and D1 or S1 and S2
IAS in Further Mathematics	FP1 and either FP2 or FP3	FP2, FP3, M1, M2, M3, S1, S2, S3, D1
IAS in Pure Mathematics	P1, P2, P3, P4, FP1	FP2 or FP3

IAL/AS

Physics

Subject of study in Year 12

Course Overview:

The content is relevant for learners who have achieved a GCSE in Physics and who want to study this subject at a higher level. The content has been updated from the previous Pearson Edexcel International Advanced Subsidiary in Physics and the previous Pearson Edexcel International Advanced Level in Physics qualifications. It covers the major topics in physics, including mechanics, materials, waves, electricity, fields, thermodynamics, radiation, particles, oscillations and cosmology. Students require at least a grade A in GCSE mathematics in order to be able to access the course.

Unit 1

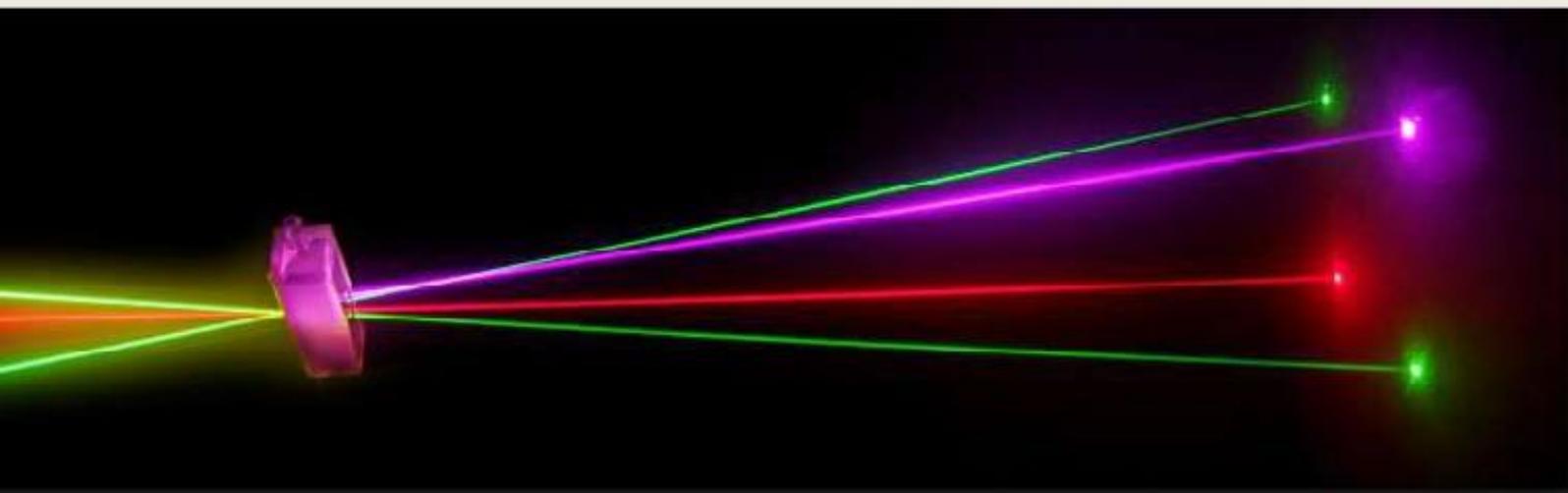
- Worth 40% of total A/S level and 20% of full A-level
- Comprised of the following topics;
- Topic 1: Mechanics
- Topic 2: Materials
- First examination in January

Unit 2

- Worth 40% of total A/S level and 20% of full A-level
- Comprised of the following topics;
- Topic 3: Waves and Particle Nature of Light
- Topic 4: Electric Circuits
- First examination in June

Unit 3

- Students are expected to develop experimental skills, and a knowledge and understanding of experimental techniques, by carrying out a range of practical experiments and investigations while they study Units 1 and 2.
- First examination in June and worth 20% of total A/S level and 10% of full A-level



IAL/A2

Physics

Subject of study in Year 13

Course Overview:

The content is relevant for learners who have achieved A/S Physics (at least a grade C) and who want to study this subject at a higher level. The content has been updated from the previous Pearson Edexcel International Advanced Subsidiary in Physics and the previous Pearson Edexcel International Advanced Level in Physics qualifications. It covers the major topics in physics, including mechanics, materials, waves, electricity, fields, thermodynamics, radiation, particles, oscillations and cosmology. Students require at least a grade A in GCSE mathematics in order to be able to access the course.

Unit 4

- Worth 40% of A2 and 20% of full A-level
- Comprised of the following topics;
- Further Mechanics
- Electric and Magnetic Fields
- Nuclear and Particle Physic
- First examination in January

Unit 5

- Worth 40% of A2 and 20% of full A-level
- Comprised of the following topics;
- Thermodynamics
- Nuclear Decay
- Oscillations
- Astrophysics and Cosmology
- First examination in June

Unit 6

- Students are expected to further develop the experimental skills and the knowledge and understanding of experimental techniques that they acquired in Units 1 and 2 by carrying out a range of practical experiments and investigations while they study Units 4 and 5.
- First examination in January and worth 20% of A2 and 10% of full A-level



AS

GCE Psychology

Subject of study in Year 12



Edexcel AS Psychology has been designed to engage and inspire students by showing how an understanding of many contemporary issues requires a grasp of fundamental psychological ideas.

The course is suitable for students gaining at least a grade B at GCSE Biology and English.

Externally assessed

- Availability: May/June
- First assessment: 2016

Paper 1: Social and cognitive psychology

Overview of content

*Paper code: 8PS0/01

• Topic 1: Social psychology

Students must show understanding that social psychology is about aspects of human behaviour that involve the individual's relationship to other persons, groups and society, including cultural influences on behaviour. Individual differences and developmental psychology must be considered when learning about obedience, prejudice, personality and cultural influences on social behaviour.

• Topic 2: Cognitive psychology

Students must show understanding that cognitive psychology is about the role of cognition/cognitive processes in human behaviour. Processes include perception, memory, selective attention, language and problem solving. The cognitive topic area draws on the likeness of cognitive processing to computer processing. Individual differences and developmental psychology must be considered when learning about memory differences and memory deficits and how this develops as the brain ages.



Paper 2: Biological psychology and learning theories

Overview of content

*Paper code: 8PS0/02

• Topic 3: Biological psychology

Students must show understanding that biological psychology is about the mechanisms within our body and how they affect our behaviour, specifically focusing on aggression. Individual differences and developmental psychology must be considered when learning about issues such as aggression caused by an accident and how the function of structures of the brain can be affected by the environment.

• Topic 4: Learning theories

Students must show understanding that learning theories are about learning from the environment and the effects of conditioning, reinforcement, punishment, the role of reward and social learning on the organism. Individual differences and developmental psychology must be considered when learning about the effect of rewards and punishment on individuals and how children develop through the different ways of learning, including social learning.

A2

GCE Psychology

Subject of study in Year 13

The A2 units build on the work covered in the AS course but provide opportunities for the students to select areas of specialism that best suit their particular needs.

Content summary:

The Pearson Edexcel Level 3 Advanced GCE in Psychology is structured into nine topic areas. Topics 1-4 are compulsory and focus on the areas that have laid the foundations of modern psychological understanding. Topics 5-8 focus on how our understanding of psychology is applied today. Topic 5 is compulsory. One topic from 6, 7 or 8 must be studied. Finally, Topic 9 summarises the psychological skills and research methods covered in the qualification.

This qualification consists of three externally examined papers.

Students must complete all assessment in May/June in any single year. Students must select two of the following four applications:

- criminological psychology
- child psychology
- health psychology: substance misuse
- Sport psychology.

Assessment:

Examination paper of 1 hour 30 minutes duration, divided into four options, of which students must select two. Each option will consist of short-answer questions and a section of extended writing.

Content summary:

This unit focuses on the debates between approaches within contemporary psychology. In the clinical psychology section of the unit, students study aspects of clinical psychology, which include how different approaches in psychology explain and treat mental health issues. In the issues and debates section, students will be asked to draw on other areas of the specification in order to understand conceptual and methodological issues. Students will develop an understanding of how to use theories and evidence from different areas of psychology and apply them to issues.

Assessment:

Examination paper of 2 hours duration, divided into two sections, one focusing on clinical psychology, one on issues and debates. Each section will consist of short-answer questions and a section of extended writing. Students must answer both parts.

IAL

Geography

Subject of study in Year 12

Section B: Compulsory short-answer questions on research and fieldwork investigation.

Section C: Choice of one fieldwork question, on either Topic 1: Crowded Coasts or Topic 2: Urban Problems,

Our Geography curriculum at ISCS is designed according to Edexcel iGCSE & IA level.

Our AS level Geography curriculum at ISCS is designed to develop the students' knowledge and understanding of geographical concepts and appreciate the relevance of these concepts to our changing world.

Paper 1: Unit One (*Unit code: WGE01/01)	Paper 2: Geographical Investigations (*Unit code: WGE02/01)
Written examination: 1 hour and 45 minutes 60% of the qualification 90 marks	Written examination: 1 hour and 30 minutes 40% of the total IAS 60 marks
Content overview <ul style="list-style-type: none">• Area of study 1, Topic 1: World at Risk• Area of study 1, Topic 2: Going Global	Content overview <ul style="list-style-type: none">• Topic 1: Crowded Coasts• Topic 2: Urban Problems, Planning and Regeneration
<u>Assessment overview:</u> Section A: Data response and short-answer questions. Section B: Choice of longer/guided essay questions, on either Topic 1: World at Risk or Topic 2: Going Global.	<u>Assessment overview:</u> Section A: Data response and short-answer questions on Topics 1 and 2: Crowded Coasts and Urban Problems, Planning and Regeneration.

Qualification aims and objectives:

- Understand the nature and use of different types of geographical information, including qualitative and quantitative data, primary and secondary sources of data, images, factual text and discursive/creative material, digital data, numerical and spatial data and innovative forms of data, including crowd-sourced and 'big data' and including dot maps, kite diagrams, linear and logarithmic scales, dispersion diagrams, aerial/oblique/ground/satellite images, and GI
- Collect, analyse and interpret such information, and demonstrate the ability to understand and apply suitable analytical approaches for the different information types.
- Undertake informed and critical questioning of data sources, analytical methodologies, data reporting and presentation, including the ability to identify sources of error in data and to identify the misuse of data
- Communicate and evaluate findings, draw well-evidenced conclusions informed by wider theory, and construct extended written argument about geographical matters

IAL/AS

Economics

Subject of study in Year 12

Pearson Edexcel International Advanced Subsidiary in Economics

This qualification consists of two externally-examined units.

The International Advanced Subsidiary is the first half of the International Advanced Level qualification and consists of two IAS units, Units 1 and 2. This qualification may be awarded as a discrete qualification or may contribute 50 per cent towards the International Advanced Level qualification.

IAS Unit 1: Markets in action	*Unit code WEC11 / 01	
Externally assessed Written examination: 1 hour and 45 minutes Availability: January, June and October First assessment: January 2019 80 marks	50% of the total IAS	25% of the total IAL
Content overview <ul style="list-style-type: none">• Introductory concepts• Consumer behaviour and demand• Supply• Price determination• Market failure• Government intervention in markets		
Assessment overview <p>Section A: Six multiple-choice questions (6 marks). Section B: Five short-answer questions (20 marks). Section C: A five-part question, based on data provided in a source booklet (34 marks). Section D: One 20-mark essay question from a choice of two (20 marks).</p>		
IAS Unit 2: Macroeconomic performance and policy	*Unit code WEC12 / 01	
Externally assessed Written examination: 1 hour and 45 minutes Availability: January, June and October First assessment: June 2019 80 marks	50% of the total IAS	25% of the total IAL
Content overview <ul style="list-style-type: none">• Measures of economic performance• Aggregate demand (AD)• Aggregate supply (AS)• National income• Economic growth• Macroeconomic objectives and policies		
Assessment overview <p>Section A: Six multiple-choice questions (6 marks). Section B: Five short-answer questions (20 marks). Section C: A five-part question, based on data provided in a source booklet (34 marks). Section D: One 20-mark essay question from a choice of two (20 marks).</p>		

IAL/A2

Economics

Subject of study in Year 13

Pearson Edexcel International Advanced Subsidiary in Economics

This qualification consists of four externally-examined units.

The International Advanced Level consists of the two IAS units (Units 1 and 2) plus two IA2 units (Units 3 and 4). Students wishing to take the International Advanced Level must, therefore, complete all four units.

IAS Unit 3: Business behaviour	*Unit code WEC13 / 01	
Externally assessed Written examination: 2 hours Availability: January, June and October First assessment: January 2020 80 marks	50% of the total IA2	25% of the total IA2
Content overview <ul style="list-style-type: none">• Types and sizes of businesses• Revenue, costs and profits• Market structures and contestability• Labour markets• Government intervention		
Assessment overview <p>Section A: Six multiple-choice questions (6 marks). Section C: A five-part question, based on data provided in a source booklet (34 marks). Section D: Two 20-mark essay question from a choice of three (40 marks).</p>		
IAS Unit 4: Developments in the global economy	*Unit code WEC14 / 01	
Externally assessed Written examination: 1 hour and 45 minutes Availability: January, June and October First assessment: June 2019 80 marks	50% of the total IA2	25% of the total IA2
Content overview <ul style="list-style-type: none">• Causes and effects of globalisation• Trade and the global economy• Balance of payments, exchange rates and international competitiveness• Poverty and inequality• The role of the state in the macroeconomy• Growth and development in developing, emerging and developed economies		
Assessment overview <p>Section A: Six multiple-choice questions (6 marks). Section C: A five-part question, based on data provided in a source booklet (34 marks). Section D: Two 20-mark essay question from a choice of three (40 marks).</p>		

IAL

Sociology

Subject of study in Year 12



The key concepts for AS & A Level Sociology are:

➤ Inequality and opportunity

Inequality has a major influence on people's opportunities and life choices. Sociologists study the different forms of inequality (age, ethnicity, gender, class), seeking to understand why inequality exists and how it affects different sections of society.

➤ Power, control and resistance

Power is important in understanding how order and control are achieved in society. There are many different theories about who holds power and how power is used to shape human behaviour. Sociologists are also interested in the ways people oppose and resist the exercise of power.

➤ Social change and development

Understanding how societies have changed and developed helps sociologists to make sense of the way people live today. The change from traditional society to modern industrial society is particularly important. The terms 'modernity' and 'post-modernity' are used to reflect on this transition and on contemporary issues, such as how societies are affected by globalisation and the digital revolution in technology.

➤ Socialisation, culture and identity

Sociologists believe that people learn how they are expected to behave through socialisation. The norms and values learned through socialisation may vary between cultures, impacting on social identity. The study of different social identities is central to contemporary sociology.

➤ Structure and human agency

A central debate in sociology concerns the relationship between the individual and society: is behaviour shaped by wider social forces or is the social world shaped by the actions of individuals? Structural theories focus on how people's behaviour is constrained by social systems and institutions. Action theories emphasise how individuals establish meaning through social interaction and how this impacts on the behaviour of social groups and institutions

IAL

English Language

Subject of study in Year 12

Unit 1: Language: Context and identity Overview

- the range of contexts in which language is produced and received
- how the contexts of production and reception affect language choices
- how writers/speakers present themselves to their audience in a variety of modes
- how writers/speakers choose language to reflect and construct their identity or identities
- how writers create texts for different forms, purposes, audiences, and contexts

Unit 2: Language in Transition Overview

- the influence of other languages on the development of English
- pidgins and creoles
- the development of English outside the British Isles. Students will explore the ways in which languages change, with a focus on English in a global context.
- Students will need to know about the mechanisms of language change but they will not need to study the historical development of English.

Unit 3: Crafting Language (writing) Overview

- study a range of specified writing genres and appropriate style models
- demonstrate their skills as writers in re-creating texts for different context, purpose and audience.

Unit 4: Investigating Language Overview

- Contemporary Global English
- Children's Language Development
- Language and Power • Language and Technology Students will:
- develop their research and investigation skills
- undertake a focused investigation of their selected topic
- apply their knowledge of language levels and key language concepts developed through the whole course
- develop a personal language specialism.

**We wish you all the best with your
choices, and a wonderful, fruitful
journey for the upcoming year
Insha'Allah.**

*"The hardest choices in life aren't between what's right and what's wrong but between what's right and what's best." —
Jamie Ford, *Hotel on the Corner of Bitter and Sweet**

*"But until a person can say deeply and honestly, "I am what I
am today because of the choices I made yesterday," that
person cannot say, "I choose otherwise." — Stephen R. Covey,
*The 7 Habits of Highly Effective People: Powerful Lessons in
Personal Change**

*"In the long run, we shape our lives, and we shape ourselves.
The process never ends until we die. And the choices we
make are ultimately our own responsibility." - Eleanor
Roosevelt*

*"Knowledge exists potentially in the human soul like the seed in
the soil; by learning the potential becomes actual."
- Al-Ghazali*

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