



REPTON

ABU DHABI

Academic Year 2021/22

A-Level

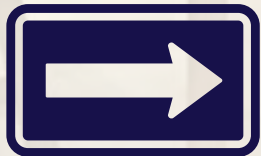
OPTIONS BOOKLET

The Best for Every Child

Small steps lead to **BIG** success



Step 1: Read the A-Level Options Booklet and watch the videos



Step 2: Speak to Heads of Department and your teachers if you have questions about a particular course.



Step 3: Talk to your family about the right choices for you and do some research into university courses and the entry requirements



Step 4: Complete your option form

Glossary

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Repton Abu Dhabi - Options Guide

“Education is like a lantern which lights your way in a dark alley.” Sheikh Zayed bin Sultan Al Nahyan

Welcome to **Repton Senior School** and the start of your 6th Form journey.

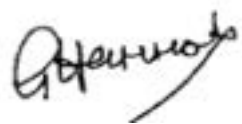
Repton has a long history of producing outstanding results and preparing students to attend the most prestigious universities around the world. And we are excited that you will be joining us for **your** journey.

We are delighted to offer a 6th Form (Year 12/Grade 11 and Year 13/Grade 12) that provides both academic rigour and the necessary skills to fully prepare you for your future career.

Our 6th Form students will be exposed to a full careers guidance program, the world renowned Extended Project Qualification (EPQ) and have a dedicated 6th Form Tutor that will be on hand to support and guide students with their university applications.

We offer small class sizes, state-of-the-art facilities and a dedicated team of outstanding teachers delivering a broad range of the most popular A-Level courses.

Careful review of this Options Booklet will equip you with all the information you will need to best select your **Repton Pathway**.



Gillian Hammond, Principal

Our Principal, Miss. Gillian Hammond has a short video to welcome you to our A-Level program at Repton. Please click [here](#) to watch the video.



6th Form Curriculum

We are excited to introduce our 6th Form curriculum options for A-Level courses commencing in the Academic Year, 2021/22.

In this guide, you will learn about the courses and pathways we have on offer at Repton 6th Form. These courses will provide the academic qualifications required to attend university and help propel you to your future career.

What are A-Levels?

Internationally recognised and highly regarded by universities globally, A-Levels are also referred to as 'Advanced Levels', or General Certificates of Education, and are studied after successful completion of GCSE's in Year 11.

At Repton Abu Dhabi you will study up to 4 A-Levels, over a 2 year period. At the end of Year 13, students will sit external examinations and gain qualifications that will be used to progress to university and future career.

Academic rigour and enrichment opportunities

There is no doubt that academic success is paramount at Repton Abu Dhabi. However, we go above and beyond academic success to provide our students with the necessary skills and opportunities to enable them to stand out from the crowd.

Our 6th Form students will be provided with extensive Higher Education guidance across a range of topics including choosing the right degree, making the correct choice of university, and how to write a UCAS personal statement.

In addition, we offer a full enrichment program including the Extended Qualification Project (EPQ), public speaking qualifications and a number of after school activities aimed at creating desirable university students.

Entry Requirements

A-Levels are rigorous and challenging. Students should display a passion and flair for the subjects they wish to study.

- Students should achieve a number of strong passes (Grades 5-9) at GCSE level.
- Students are expected to have at least a Grade 5 at GCSE, in any subject they wish to study at A-level.
- As part of the application process, all students will have an interview with a member of the Senior Leadership Team. At this point, predicted grades and course selections will be reviewed on an individual basis.

What we offer

- Small class sizes that allow for increased student/teacher interaction and support.
- Highly qualified and experienced teachers.
- A broad selection of A-Level subjects to choose from.
- A full enrichment program
- A proven track record of delivering outstanding results across the family of Repton Schools.



Our Assistant Head of Senior School, Mr. Stephen Davis has prepared a short video introducing the subjects on offer and the different pathways available at Repton Abu Dhabi.

Please watch the video [here](#)

Repton Career Pathways

We are excited to introduce our Repton Career Pathways. A Repton Career Pathway is a pre-selected set of subjects that are tailored towards specific university courses and careers.

The pathways have been carefully selected to ensure that students have the correct subject combinations for each individual pathway. There are a number of options on offer to suit a range of interests. Our Repton Career Pathways include:

- **Medicine**
- **Law**
- **Engineering**
- **Computing and Innovation**
- **Creative**
- **Life Sciences**
- **Sports Studies**
- **Languages**

Each Repton Career Pathway has a dedicated section in this booklet that goes into more detail, and also highlights a variety of university courses and their specific course requirements.

For those students that are still undecided on their future career our students can opt to study the **Open Pathway** and select up to 4 A-Level courses from the 5 different option blocks.



Summary of Pathways

Pathway	Universities will require these subjects	Other recommended A-Levels Course requirements		
Open Pathway	Students can select any combination of subjects from the option blocks. Students can choose a maximum of 4 A-Levels, and only 1 subject from each block	Students should have achieved GCSE grades 5-9 in their chosen subjects to be eligible for this pathway.		
<u>Medicine Pathway</u>	Chemistry and Biology	Physics and/or Maths	Students should have achieved GCSE grades of 6-9 in Chemistry and Biology to be eligible for this pathway.	
<u>Law Pathway</u>	English Language	History and/or English Literature	Any Science	Students should have achieved at least a 5+ in GCSE Eng.Language
<u>Engineering Pathway</u>	Physics and Maths	Students should have achieved GCSE grades 6-9 in Physics and Maths to be eligible for this pathway.		
<u>Computing and Innovation Pathway</u>	Computer Science	Maths	Students should have achieved a Grade 5+ in GCSE Com. Science to be eligible for this pathway	
<u>Creative Pathway</u>	Students need to select at least two ‘creative’ based subject from Art, Design & Technology, or Music	Students should have achieved at least a Grade 5 in their creative GCSE subject(s) to be eligible for this pathway.		
<u>Life Sciences Pathway</u>	Chemistry and Biology	Geography and/or Maths	Students should have achieved a Grade 5+ in any Science GCSE to be eligible for this pathway	
<u>Sports Studies Pathway</u>	Physical Education	Biology	Students should have achieved a Grade 5+ in GCSE PE to be eligible for this pathway	
<u>Languages Pathway</u>	French or Arabic	Students should have achieved at least a Grade 5 in their GCSE language subject(s) to be eligible for this pathway.		

Repton Career Pathways

The Medicine Pathway

This career pathway has been designed for students who want to pursue careers relating to medicine - potential courses at university include Medicine, Veterinary Science, Physiotherapy and Dentistry

In order to attend a university studying in the medicine field it is a requirement that students have studied both Biology and Chemistry at A-Level.

It is also recommended that students study either Physics, Maths or both to complement the other required A-Levels.

To give you an insight into a selection of medicine university courses, we have included links below that will give you an example of the course and entry requirements. *Please note each university has slightly different entry requirements and further research should be undertaken.*

Medical Pathway Summary

- Must select Biology and Chemistry
- Pathway requirements: Should have a minimum of a Grade 5 at GCSE in Science subjects
- For an example of university courses in this field please click on the links below:

[Medicine](#) [Dentistry](#) [Veterinary Medicine](#) [Physiotherapy](#)

Students will study at least 3 A-Levels if they follow this pathway.



The Law Pathway

This career pathway has been designed for students who want to pursue careers relating to Law - potential courses at university include Law and Criminal Law.

In order to attend a university studying in Law, many universities require students have studied English Language at A-Level.

It is also recommended that students study either English Literature, History, Maths or a Science to complement students choices. These subjects will provide students with the analytical skills required in the Law profession.

To give you an insight into law university courses we have included links below that will give you an example of the course and entry requirements. *Please note each university has slightly different entry requirements and further research should be undertaken.*

The Law Pathway Summary

- Must select English Language
- Pathway requirements: Should have a minimum of a Grade 5 at GCSE in English Language.
- For an example of university courses in this field please click on the links below:

[Law](#) [Criminal Law](#)

Students will study at least 3 A-Levels if they follow this pathway.



Repton Career Pathways

The Engineering Pathway

This career pathway has been designed for students that want to pursue careers relating to engineering - potential courses at university include Aeronautical engineering, Civil engineering and Mechanical engineering.

In order to attend a university studying in the engineering field it is a requirement that students have studied both Physics and Maths at A-Level.

To give you an insight into a selection of engineering university courses, we have included links below that will give you an example of the course and entry requirements. *Please note each university has slightly different entry requirements and further research should be undertaken.*

Engineering Pathway Summary

- Must select Physics and Maths
- Pathway requirements: Should have a minimum of a Grade 5 at GCSE in Maths and Physics/Combined Science.
- For an example of university courses please click on the links below:
 - [Aeronautical Engineering](#) [Mechanical Engineering](#) [Civil.Engineering](#)

Students will study at least 3 A-Levels if they follow this pathway.

The Computing and Innovation Pathway

This career pathway has been designed for students that want to pursue careers relating to computing and/or innovation - potential courses at university include software engineering, robotics, cyber forensics and creative computing.

In order to attend a university studying in the computing and innovation field it is highly recommended that students have studied Computer Science at A-Level.

To give you an insight into a selection of university courses, we have included links below that will give you an example of the course and entry requirements. *Please note each university has slightly different entry requirements and further research should be undertaken.*

Computing and Innovation Pathway Summary

- Must select Computer Science and Maths is seen as a subject that complements this particular pathway.
- Pathway requirements: Should have a minimum of a Grade 5 at GCSE in Computer Science.
- For an example of university courses please click on the links below:

[Software engineering](#) [Robotics](#) [Cyber forensics](#) [Creative Computing](#)

Students will study at least 3 A-Levels if they follow this pathway.

Repton Career Pathways

The Creative Pathway

This career pathway has been designed for students that want to pursue careers that have a creative element to them. The number of courses in this field is limitless and we have identified some popular courses at university, including marketing, graphic design and architecture.

In order to attend a university studying in the creative field it is highly recommended that students have studied at least one of Music, Art or Design & Technology at A-Level.

To give you an insight into a selection of university courses, we have included links below that will give you an example of the course and entry requirements. *Please note each university has slightly different entry requirements and further research should be undertaken.*

Creative Pathway Summary

- Must select at least two creative subject from Music, Art and DT.
- Pathway requirements: Should have a minimum of a Grade 5 at GCSE in these subjects.
- For an example of university courses please click on the links below:

[Marketing](#) [Graphic design](#) [Architecture](#)

Students will study at least 3 A-Levels if they follow this pathway.

The Life Science Pathway

This career pathway has been designed for students who want to pursue careers relating to life sciences - potential courses at university include Geology, Archaeology and Biochemistry.

In order to attend a university studying in the life sciences field it is a requirement that students have studied both Biology and Chemistry at A-Level.

It is also recommended that students study either Geography or Maths to complement the other required A-Levels.

To give you an insight into a selection of life science university courses, we have included links below that will give you an example of the course and entry requirements. *Please note each university has slightly different entry requirements and further research should be undertaken.*

Life Science Pathway Summary

- Must select Biology and Chemistry
- Pathway requirements: Should have a minimum of a Grade 5 at GCSE in Science subjects
- For an example of university courses please click on the links below:

[Geology](#) [Archaeology](#) [Biochemistry](#)

Students will study at least 3 A-Levels if they follow this pathway.

Repton Career Pathways

The Language Pathway

This career pathway has been designed for students that want to pursue careers that require knowledge of multiple languages.

With the modern world becoming increasingly smaller, language based courses are popular at university. We have identified some courses at university, including Linguistics, International Politics and Arabic and Islamic Studies.

In order to attend a university studying languages it is essential that students have studied either French or Arabic at A-Level.

To give you an insight into a selection of university courses, we have included links below that will give you an example of the course and entry requirements. *Please note each university has slightly different entry requirements and further research should be undertaken.*

Language Pathway Summary

- Must select at least one creative subject from Music, Art and DT.
- Pathway requirements: Should have a minimum of a Grade 5 at GCSE in these subjects.
- For an example of university courses please click on the links below:

[Linguistics](#) [International Politics](#) [Arabic and Islamic Studies](#)

Students will study at least 3 A-Levels if they follow this pathway.



The Sports Studies Pathway

This career pathway has been designed for students that want to pursue careers relating to sport - potential courses at university include Sports Science, Sports journalism and E-Sports.

In order to attend a university studying in the sporting field it is highly recommended that students have studied Physical Education at A-Level.

To give you an insight into a selection of university courses, we have included links below that will give you an example of the course and entry requirements. *Please note each university has slightly different entry requirements and further research should be undertaken.*

Sports Studies Pathway Summary

- Must select Physical Education and Biology is seen as a subject that complements this particular pathway.
- Pathway requirements: Should have a minimum of a Grade 5 at GCSE in Computer Science.
- For an example of university courses please click on the links below:

[Sports Science](#) [Sports journalism](#) [E-Sports](#)

Students will study at least 3 A-Levels if they follow this pathway.



6th Form Curriculum

Students at Repton Abu Dhabi are encouraged to select up to 4 A-Levels in addition to the core curriculum.

The core curriculum includes:

- Physical Education / Wellness lessons / Community and service projects
- The Extended Project Qualification (EPQ) or, similar
- University and career guidance lessons

Students can select up to 4 A-levels from 5 option blocks:

Option Block A: Biology, French or Music

Option Block B: Chemistry, English Language or Design & Technology

Option Block C: Maths, English Literature or Art & Design (*Fine Art*)

Option Block D: Physics, Geography or Arabic

Option Block E: Computer Science, History or PE

** Students cannot select 2 subjects from the same option block.*

MOE Equivalency - Decree 199

MOE Equivalency and Graduation Requirements - Equivalence with the Ministry of Education High School Certificate (Ministerial Resolution No.199)

The Ministry of Education (MOE) has recently outlined specific requirements for students who have completed a British-style education in the UAE and plan to continue their Higher Education studies within the UAE, or work within a Government entity in the UAE after finishing their tertiary education.

In order to do this, students will need to obtain what is called 'Equivalency'. This indicates that the education students have received is equivalent to the UAE Ministry of Education, High School Certificate for school leavers.

In order to gain UAE High School equivalency, the following conditions must be met:

- Complete the 12th Grade (Year 13)
- Pass **FIVE** (5) subjects in the average level (iGCSE/GCSE) with grades of 3-9.
- Pass **TWO** (2) subjects in the GCE Advanced subsidiary Level (AS Level), or **ONE** (1) subject in the GCE Advanced level passing mark (A*, A, B, C, D)
- Please note that Islamic education and Arabic language shall not be included in the subjects of both levels.
- The student shall choose the subjects stated from the following list: English Language, English Literature, History, Geography, French, Mathematics, Computer Science, Design & Technology, Business, Biology, Chemistry and Physics.



دائرة التعليم والمعرفة
DEPARTMENT OF EDUCATION
AND KNOWLEDGE



UNITED ARAB EMIRATES
MINISTRY OF EDUCATION



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Academic Year 2021/22

A-Level Subject Guides and Specifications

The Best for Every Child

English Language

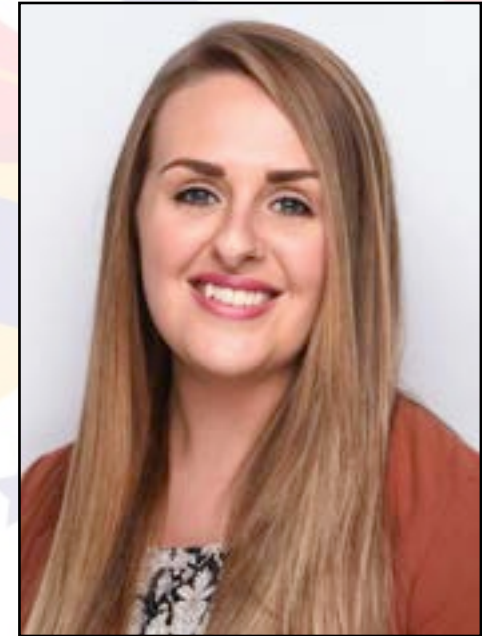
Students who choose to study the International A-Level English Language will be introduced to the principles of advanced language study, including how people use language to convey who they are to others.

Students will study about language variation, the many attitudes to language and how it is used as a creative tool for expression. Through research and analysis, students will be able to create supporting arguments, learn how to debate alternative views and work independently to research aspects of language in use.

Through numerous tasks, they will learn how to write for different audiences, adapting their style to achieve varying objectives and reflecting on the process taken to write each piece. By reading and assessing a variety of texts, discourses and studying the aspects of textual variation, students' writing and creative writing ability will mature significantly.

The key features of the iA-level English Language course are:

- A focus on how language is used to construct identity.
- Study of how other languages have affected the development of English and how English has developed outside of the British Isles.
- Students create their own texts. One on unseen source texts linked to a single topic and one where they are given a genre and then choose their own audience, purpose and context.
- Carry out an independent research topic.



Head of Department: Miss. Rebecca Russell

Contact: rebecca.russell@reptonabudhabi.org

Exam Board: Pearson-Edexcel

Course Code: YEN01

Please click [here](#) to watch a short video about the course

Unit	Assessment	% of Course
Unit 1: Language: Context and Identity	Written examination - 1hr 45mins	50% of <u>iAS</u> & 25% of <u>iAL</u>
Unit 2: Language in Transition	Written examination - 1hr 45mins	50% of <u>iAS</u> & 25% of <u>iAL</u>
Unit 3: Crafting Language (writing)	Written examination – 2 hrs	25% of <u>iAL</u>
Unit 4: Investigating Language	Written examination – 2 hrs	25% of <u>iAL</u>



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English Literature

Students who choose to study the International A-Level English Literature course develop a number of subject-specific and transferable skills through in-depth, critical and contextual thinking in response to a range of literary works.

Students will be required to study a variety of plays, novels and poems from distinct genres and spanning across many different periods in time. With this comprehensive exploration of characters and themes will come the awareness of how traditions and culture have shaped literature over the years.

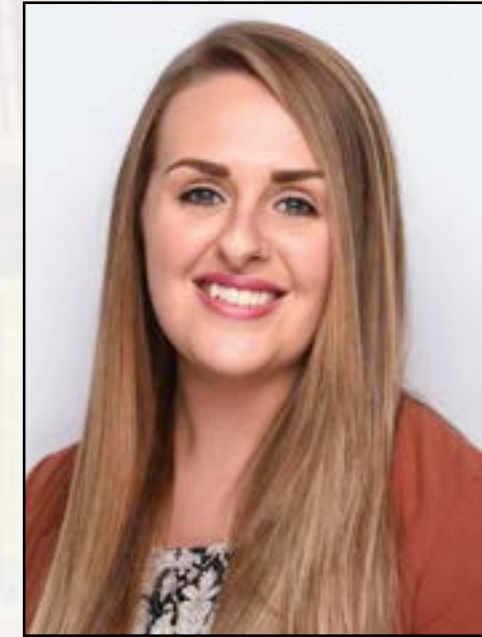
If you are an avid reader and show an enthusiasm for a variety of texts from different eras, then the iA-level English Literature course would be a great choice. Equally, if you enjoy analysing texts in detail and debating your views then you could be well-suited to a course like this, during which you will be required to think critically and express your opinions eloquently.

Aside from reading, English Literature also promotes authorship so keen writers would do well studying the subject to learn more about literary styles, the use of narration and voices in writing as well as the general make-up and development of the English language throughout history.

The key features of the iA-level English Literature course are:

- A choice of two drama texts, one pre-1900 and one post-1900.
- Study of a selection of post-2000 poems as well as a one post-2000 novel.
- Unseen questions on post-1900 poetry and one prose theme from a choice of Growing up, Colonisation and After, Science and Society and Women and Society.
- The study of one pre-1900 literary poetry movement.
- Study of a Shakespearian play from a choice of Hamlet, King Lear, Measure for Measure and The Taming of the Shrew.

Unit	Assessment	% of Course
Unit 1: Post-2000 Poetry and Prose	Written examination – 2 hrs	50% of iAS & 25% of iAL
Unit 2: Drama	Written examination – 2 hrs	50% of iAS & 25% of iAL
Unit 3: Poetry and Prose	Written examination – 2 hrs	25% of iAL
Unit 4: Shakespeare and Pre-1900 Poetry	Written examination – 2 hrs	25% of iAL



Head of Department: Miss. Rebecca Russell

Contact: rebecca.russell@reptonabudhabi.org

Exam Board: Pearson-Edexcel

Course Code: YET01

Please click [here](#) to watch a short video about the course



Maths

A-Level Mathematics is a two-year course split into three modules; Pure Mathematics, Statistics and Mechanics.

Candidates will cover half of the course content during the first year, and will sit two externally examined papers to obtain an AS-Level qualification.

Once the remainder of the content has been covered by the end of the second year, candidates will sit three externally examined papers covering the content from the entire course, obtaining the full A-Level qualification.

Several of the topics covered in A-Level were introduced as part of the GCSE course and will be built upon. This is in addition to some new topics introduced, including:

Pure Mathematics: Proof, Algebra and functions, Coordinate geometry in the (x, y) plane, Sequences and series, Trigonometry, Exponentials and logarithms, Differentiation, Integration, Numerical methods and Vectors

Statistics & Mechanics: Statistical sampling, Data presentation and interpretation, Probability, Statistical distributions, Statistical hypothesis testing, Quantities and units in mechanics, Kinematics, Forces and Newton's laws and Moments

The Mathematics A-Level has more emphasis on reasoning, modelling and problem solving, moving away from the repetition of the same old questions as happened in previous years.

Reasoning: Candidates will need to be able to construct logical arguments with little or no prompting, as well as explain the reason behind decisions they make. This is in addition to the more familiar 'explain what is meant by...' test of understanding.

Modelling: Candidates are likely to see more questions which test Pure Mathematics concepts by applying them to 'real world' situations. This may take the obvious form of modelling in the Mechanics and Statistics module, or might be more subtle.

Problem Solving: Candidates will see many questions set in such a way that there is no obvious start point or clear route through the question. Students will need to be willing to take risks as they try different strategies in the face of such problems.



Head of Department: Mr. Daniel Ellis

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Exam Board: Pearson-Edexcel

Course Code: 9MA0

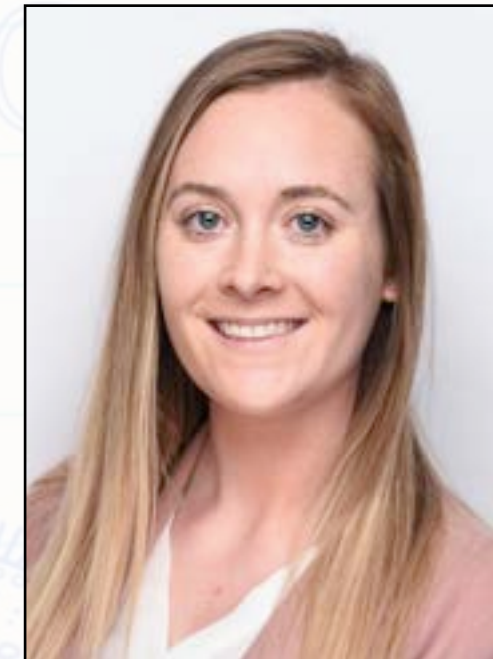
Please click [here](#) to watch a short video about the course

Biology

The International A Level in Biology encourages students to develop a greater understanding of biological facts and principles and an appreciation of their significance in our changing world. The content is relevant for students who have achieved an iGCSE in Biology and who want to study this subject at a higher level. 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 are studied in depth.

Key concepts underpinning biology today are combined with a structured approach to learning the wider skills needed by the modern biologist. The course is taught in context, making use of contemporary issues with biological principles introduced when required to aid understanding of the context. This approach encourages students to recognise links between different areas of biology.

IAS Units are taught in Year 12 and IAL modules are in Year 13. The course is linear in nature meaning exams taken in Year 12 form part of students final A level grade in Year 13. 18 core practical activities form a thread linking theoretical knowledge and understanding to practical scenarios and are assessed on their practical skills in Papers 3 and 6.



Head of Department: Miss. Aisling Crowe

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Exam Board: Pearson-Edexcel

Course Code: YBI11

Please click [here](#) to watch a short video about the course

IAS Unit 1: Molecules, Diet, Transport and Health	%of IAL
Written exam: 1 hour and 30 minutes Availability: January, June and October First assessment: January 2022 80 marks	20%
Content Overview Molecules, Transport and Health Membranes, Proteins, DNA and Gene expression	
IAS Unit 2: Cells, Development, Biodiversity and Conservation	%of IAL
Written exam: 1 hour and 30 minutes Availability: January, June and October First assessment: June 2022 80 marks	20%
Content Overview Cell structure, Reproduction and Development Plant structure and function, Biodiversity and Conservation	
IAS Unit 3: Practical Skills in Biology 1	%of IAL
Written exam: 1 hour and 20 minutes Availability: January, June and October First assessment: June 2022 50 marks	10%
Content Overview Knowledge of practical investigations carried out during Unit 1 and 2 are assessed.	

IAL Unit 4: Energy, Environment, Microbiology and Immunity	%of IAL
Written exam: 1 hour and 45 minutes Availability: January, June and October First assessment: January 2022 90 marks	20%
Content Overview Energy Flow, Ecosystems and Environment Microbiology, Immunity and Forensics	
IAL Unit 5:	%of IAL
Written exam: 1 hour and 45 minutes Availability: January, June and October First assessment: January 2022 90 marks	20%
Content Overview Respiration, muscles and internal environment Coordination, Response and Gene expression	
IAL Unit 6: Practical Skills in Biology 2	%of IAL
Written exam: 1 hour and 20 minutes Availability: January, June and October First assessment: June 2022 50 marks	10%
Content Overview Knowledge of practical investigations carried out during Unit 4 and 5 are assessed.	

Chemistry

The International A Level in Chemistry encourages students to develop their knowledge and understanding of chemistry by applying the concepts in this specification to a range of different problems, set in a variety of contexts. Students will need to apply mathematical skills to the problems and develop their practical skills. This specification includes 16 core practical activities, which is the minimum number of practical activities that students will carry out.

The content is relevant for students who have achieved an iGCSE in Chemistry and who want to study the subject at a higher level. Major topics include molar calculations, structure and bonding, energetics, rates, equilibria, Group chemistry, transition metals and a range of organic chemistry; as well as associated experimental skills.

IAS Modules are taught in Year 12 and IA2 modules are in Year 13. The course is linear in nature meaning exams taken in Year 12 form part (50%) of students final A level grade in Year 13.



IAS Unit 1: Structure, Bonding and Organic Chemistry Introduction	%of IAL
Written exam: 1 hour and 30 minutes Availability: January, June and October First assessment: January 2022 80 marks	20%
Content Overview Formulae, Equations and Amount of Substance • Atomic Structure and the Periodic Table • Bonding and Structure • Introductory Organic Chemistry and Alkanes • Alkenes	
IAS Unit 2: Energetics, Group Chemistry, Halogenoalkanes and Alcohols	%of IAL
Written exam: 1 hour and 30 minutes Availability: January, June and October First assessment: June 2022 80 marks	20%
Content Overview Energetics • Intermolecular Forces • Redox Chemistry and Groups 1, 2 and 7 • Introduction to Kinetics and Equilibria • Organic Chemistry: Alcohols, Halogenoalkanes and Spectra	
IAS Unit 3: Practical Skills in Chemistry 1	%of IAL
Written exam: 1 hour and 20 minutes Availability: January, June and October First assessment: June 2022 50 marks	10%
Content Overview Knowledge of practical investigations carried out during Unit 1 and 2 are assessed.	

IAL Unit 4: Rates, Equilibria and Further Organic Chemistry	%of IAL
Written exam: 1 hour and 45 minutes Availability: January, June and October First assessment: January 2022 90 marks	20%
Content Overview Kinetics • Entropy and Energetics • Chemical Equilibria • Acid-base Equilibria • Organic Chemistry: Carbonyls, Carboxylic Acids and Chirality	
IAL Unit 5: Transition Metals and Organic Nitrogen Chemistry	%of IAL
Written exam: 1 hour and 45 minutes Availability: January, June and October First assessment: January 2022 90 marks	20%
Content Overview Redox Equilibria • Transition Metals and their Chemistry • Organic Chemistry: Arenes • Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins • Organic Synthesis	
IAL Unit 6: Practical Skills in Chemistry 2	%of IAL
Written exam: 1 hour and 20 minutes Availability: January, June and October First assessment: June 2022 50 marks	10%
Content Overview Knowledge of practical investigations carried out during Unit 4 and 5 are assessed.	

Head of Department: Miss. Aisling Crowe

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Exam Board: Pearson-Edexcel

Course Code: YCH11

Please click [here](#) to watch a short video about the course



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Physics

Students who study A level physics will develop their knowledge and understanding of physics by applying their knowledge to a range of different problems. The content is relevant for students who have achieved an IGCSE in Physics and who want to study this subject at a higher level. The course will build on content studied in IGCSE level with a particular focus on Mechanics, Waves, Electricity, Thermodynamics, Radiation and Cosmology.

This course also has a large focus on practical skills and includes 16 core practicals that students will cover over the two years.

From the information below you can see that IAS Units are taught in Year 12 and IAL units are in taught in Year 13. A major benefit of this approach is that the course is modular, meaning students have the option to take exams in January and June of year 12 along with October, January and June of year 13. If students opt to take exams in year 12 then these exams will form part of students final A level grade in Year 13.



Head of Physics: Mr. David Evans

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Exam Board: Pearson-Edexcel

Course Code: YPH11

Please click [here](#) to watch a short video about the course

IAS	%of IAL
Unit 1: Mechanics and Materials	
Written exam: 1 hour and 30 minutes Availability: January, June and October First assessment: January 2022 80 marks	20%
Content Overview -Mechanics -Materials	
IAS Unit 2: Waves and Electricity	
Written exam: 1 hour and 30 minutes Availability: January, June and October First assessment: June 2022 80 marks	20%
Content Overview -Waves and Particle Nature of Light -Electric Circuits	
IAS Unit 3: Practical Skills in Physics 1	
Written exam: 1 hour and 20 minutes Availability: January, June and October First assessment: June 2022 50 marks	10%
Content Overview This unit will look at knowledge and understanding of experimental procedures and techniques that were developed in unit 1 and 2	

IAL Unit 4: Further Mechanics, Fields and Particles	%of IAL
Written exam: 1 hour and 45 minutes Availability: January, June and October First assessment: January 2022 90 marks	20%
Content Overview -Further Mechanics -Electric and Magnetic fields	
IAL Unit 5: Thermodynamics, Radiation, Oscillations and Cosmology	
Written exam: 1 hour and 45 minutes Availability: January, June and October First assessment: January 2022 90 marks	20%
Content Overview -Thermodynamics. -Oscillations -Nuclear decay. -Astrophysics and Cosmology	
IAL Unit 6: Practical Skills in Biology 2	
Written exam: 1 hour and 20 minutes Availability: January, June and October First assessment: June 2022 50 marks	10%
Content Overview: This unit will look at knowledge and understanding of experimental procedures and techniques that were developed in unit 4 and 5	

Computer Science

Computer Science is a practical subject where you can apply the academic principles learned in the classroom to real-world situations. It's an intensely creative subject that uses coding and programming skills to develop new products and solve problems, and use your knowledge to develop systems used by businesses daily.

This course will above all else be relevant to the modern and changing world of computing. You will learn computational thinking, helping you to develop the skills to solve problems, design systems and understand the power and limits of human and machine intelligence. You will develop an ability to analyse, critically evaluate and make decisions. The project approach is a vital component of 'post-school' life and is of particular relevance to Further Education, Higher Education and the workplace.

A Level Computer Science will encourage you to be inspired, motivated and challenged by following a broad, coherent, practical, satisfying and worthwhile course of study. Topics will include programming in different languages, understanding data structures and algorithms, computational thinking, data representation, computer architecture, communication and networks, databases, big data, security threats and issues.

Paper	Topic	Assessment Method	% of course
1	Programming and Problem Solving	On Screen	25%
2	Computing Theory	Written Exam Paper	25%

Year 13

Paper	Topic	Assessment Method	% of course
1	Programming and Problem Solving	On Screen	20%
2	Computing Theory	Written Exam Paper	20%
	Programming Project	Coursework	10%



Head of Department: Mr. Paul Butt

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Exam Board: TBC

Course Code: TBC

Please click [here](#) to watch a short video about the course



French

We believe languages should appeal to all students. This A-Level in French has been developed to inspire all students who have an appreciation of the language, literature, film and culture of the French-speaking world.

This motivating course of study will enable students to develop an advanced level knowledge and understanding of the French language, the culture of France and other Francophone countries, as well as practical and valuable language and transferable study skills. This specification will help to prepare students for higher education and enhance their employability profile.

Breakdown of Assessment Objectives

Paper	Assessment Objectives				Total for all Assessment Objectives
	AO1 %	AO2 %	AO3 %	AO4 %	
Paper 1: Listening, reading and translation	15	25	—	—	40%
Paper 2: Written response to works and translation	—	—	20	10	30%
Paper 3: Speaking	5	5	10	10	30%
Total for GCE A Level	20	30	30	20	100%

Papers 1 and 3 will be based on content from the following four themes that addresses a range of social, political and artistic trends and cultures of France and French speaking countries.

1. Theme 1: Les changements dans la société française
2. Theme 2: La culture politique et la société multiculturelle française
3. Theme 3: L'immigration et al société multiculturelle français
4. Theme 4: L'Occupation et la Resistance

For Paper 2, students will be required to study two literary texts, or one text and one film.



Head of Department: Miss. Annick McKie

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Exam Board: Pearson-Edexcel

Course Code: 9FR0

Please click [here](#) to watch a short video about the course



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Arabic

Arabic A-Level is a qualification for students who are studying Arabic in order to enhance their future educational or employment prospects. Achievement in this qualification is benchmarked against the Council of Europe's Common European Framework of Reference for Languages.

Unit 1: Understanding and Written Response:

Section A: Reading (30 marks).

Section B: Grammar (20 marks).

Section C: Essay (30 marks).

Students will be expected to recognise and use Arabic in a variety of contexts and in relation to the following general topic areas:

Youth culture and concerns, lifestyle, health and fitness, Environment and education and employment.

Unit 2: Writing and Research:

Section A: Translation (20 marks).

Section B: Creative/Discursive Essay (30 marks).

Section C: Research-based Essay (30 marks).

Students will be expected to recognise and use Arabic in a variety of contexts and in relation to the following General Topic Areas in addition to those studied in unit 1:

Technology, Society and Ethics in the Arabic speaking world



Head of Arabic A: Mr. Mohammad Al Dawaymeh

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Head of Arabic B: Mrs. Safaa El Zetawy

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Exam Board: Pearson-Edexcel

Course Code: YAA01

Please click [here](#) to watch a short video about the course



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Art & Design (Fine Art)

What does A-Level Art involve? This course will develop your interest and enjoyment of Art by studying and exploring your own personal practice. You will investigate through recording and experimenting with subject matter, composition, media testing, techniques, etc. whilst researching artists that you inspired by, in order to create personal outcomes.

How will you learn? Art is taught by specialist and experienced Art Teachers. Staff facilitate and guide students through their personal development of projects. Due to the highly independent and personal nature of the subject, Sixth Form students are able to use the Art studios during some study periods. Students in Year 12 will be given an initial 'Foundation' theme to explore before developing their own Personal Study; this will start with a focus on drawing techniques and ways to develop a personal response to the theme of 'Identity' and will also provide a comprehensive understanding of the Assessment Objectives. Students are given freedom to work in a variety of different ways, exploring new ideas, and experimenting with new techniques and materials.

AO1	Develop ideas through sustained and focused investigations informed by contextual and other sources, demonstrating analytical and critical understanding.	25%
AO2	Explore and select appropriate resources, media, materials, techniques and processes, reviewing and refining ideas as work develops	25%
AO3	Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.	25%
AO4	Present a personal and meaningful response that realises intentions and, where appropriate, makes connections between visual and other elements.	25%

A-Level students are expected to present for assessment one coursework unit in Year 13; a 'Personal Investigation' which includes a 1000 (minimum) word Personal Study essay of an aspect of historical/critical/contextual studies in Fine Art of the Student's own choice. The Personal Study will be a practical and analytical response to a theme of the Student's choosing and should reflect their own interests.

The second component is an Externally Set Assignment, set on the 1st February of Year 13. The exam paper will provide a number of different themes or starting points and Students will have until the end of April to research and explore, resulting in a fifteen-hour examination (over 3 days) in order to create their final outcome(s). Students will select work that showcase the full extent of their abilities and show evidence of investigation, recording, development of ideas, experimentation of processes, historical and critical influences on their work, as well as resolving outcomes.



Head of Department: Miss. Kate McLaren

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Exam Board: Pearson-Edexcel

Course Code: AFA0

Please click [here](#) to watch a short video about the course



Design & Technology

A level design and technology encourages students to be inspired, moved and challenged by following a broad, coherent, satisfying and worthwhile course of study. It allows them to gain an insight into related sectors, such as manufacturing and engineering, and prepares students to make informed decisions about further learning opportunities and career choices.

Design and Technology is designed to equip students with design skills for the future by encouraging them to design and make products with creativity and originality in a variety of practical activities, using a range of materials and techniques. They will be able to recognise design needs and develop an understanding of how current global issues, including integrated technology, impact on today's world.

At A level, students will have the confidence to innovate and produce creative design solutions as they develop their own design brief with a client or end user.

This subject is designed to follow on seamlessly from the GCSE qualification to show clear progression of knowledge, understanding and design/making skills so we will have a coherent experience of moving from GCSE to the specialisation depth of A level DT.

This is a very unique subject, where students are challenged to design and make their own final product, working from theory knowledge they have studied in previous years. The satisfaction of seeing their designs as a final product is something they will take away with them and remember for years to come. The subject teaches so much more than just using tools and drawing; it teaches about how to process information in order to reach a desired outcome, problem solving and the ability to learn from mistakes. These are skills that can be transferred to any walk of life.

Form of assessment: Design and Technology (Product Design) is broken into two units:

Unit 1: Written paper representing 50% of the final marks available.



Head of Department: Mr. Ross Timothy

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Exam Board: Pearson-Edexcel

Course Code: 9DT0

Please click [here](#) to watch a short video about the course



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Music

A Level music provides a rich and in-depth overview on key musicianship components: listening, performing and composing.

Students will follow Pearson-Edexcel A Level Music. The course will enable students to:

- Develop performing skills that demonstrate an understanding of music elements, interpretation and expressivity.
- Utilize digital skills with regards to the use of music technology in creating and presenting musical ideas.
- Appraise different genres, music styles and explore musical contexts and chronology.



Head of Department: Nisreen Jardaneh

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Exam Board: Pearson-Edexcel

Course Code: 9MU0

Component	Overview	Course weighting
Performing	Solo or ensemble performance of 8 minutes long	30% of final grade
Composing	Two compositions, of a combined duration of at least 6 minutes: <ul style="list-style-type: none"> - One free choice composition relating to areas of study or free composition - One from a list of 4 brief assessing technique 	30% of final grade
Appraising	Section A- Areas of study and dictation: <ul style="list-style-type: none"> - Three questions related to set works (20 Marks) - One short melody/ rhythm completion exercise (30 marks) Section B- Extended response: <ul style="list-style-type: none"> - Essay one draws link from set works to an unfamiliar extract (20 marks) - Essay two gives a choice of three questions to evaluate one set work (30 marks) 	40% of final grade

Please click [here](#) to watch a short video about the course



Geography

Geography is a broad subject, which provides various opportunities for future progression. We offer an issues-based approach to studying geography, enabling students to explore and evaluate contemporary geographical questions and issues facing people in a range of countries.

The International A Level specification gives students the opportunity to develop an in-depth understanding of physical and human geography, the complexity of people and environment questions and issues, thus creating critical, reflective and independent learners. By Year 13, you will be able to show your understanding of a range of opinions and be able to illustrate your answers with case studies from local, national and international examples.

The course is divided into 4 units of work:

Unit 1: Global challenges - World at Risk and Going Global

Unit 2: Geographical investigations - Crowded coasts and Urban problems, planning and regeneration.

Unit 3: Contested Planet - Atmosphere and weather, Biodiversity under threat, Energy security and Water conflicts, and Superpower Geographies or, Bridging the development gap

Unit 4: Researching Geography - Tectonic activity & hazards, Feeding the worlds people, Cultural diversity and Human health and disease.



Head of Department : Clodagh Cleary

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Exam Board: Pearson-Edexcel

Course Code: YGE01

Please click [here](#) to watch a short video about the course



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History

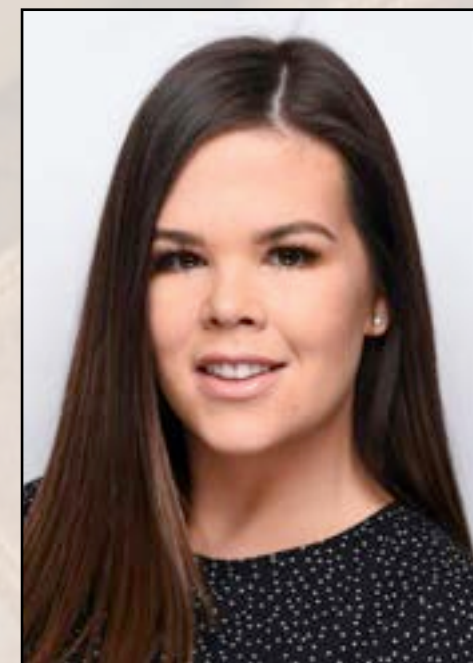
While studying History at International A Level, students are given the opportunity to explore political, economic and social causes and consequences of events in World History.

Studying History allows you to develop the ability to analyse evidence and communicate your findings in a concise and logical style. With an emphasis on working independently but also collaboratively, and developing skills that will leave you as reflective thinkers with a curious and enquiring mind.

What topics will students' study?

Students will study one topic from each of the 4 Units.

Year 12	Year 13
Unit 1: Depth Study with Interpretations Topic A: France in Revolution, 1774-99 Topic B: Russia in Revolution, 1881-1917 Topic C: Germany, 1918-45 Topic D: Britain, 1964-90	Unit 3: Thematic Study with Source Evaluation Topic A: The USA, Independence to Civil War, 1763–1865 Topic B: The British Experience of Warfare, 1803–1945 Topic C: Germany: United, Divided and Reunited, 1870–1990 Topic D: Civil Rights and Race Relations in the USA, 1865–2009
Unit 2: Breadth Study with Source Evaluation Topic A: India, 1857–1948: The Raj to Partition Topic B: China, 1900–76 Topic C: Russia, 1917–91: From Lenin to Yeltsin Topic D: South Africa, 1948–2014.	Unit 4: International Study with Historical Interpretations Topic 1: The Making of Modern Europe 1805–71 Topic B: The World in Crisis 1879–1945 Topic C: The World Divided: Superpower Relations, 1943–90 Topic D: The Cold War and Hot War in Asia, 1945–90.



Head of Department: Clodagh Cleary

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Exam Board: Pearson-Edexcel

Course Code: XHI01

Please click [here](#) to watch a short video about the course

Physical Education

Our new A-Level PE qualification will further develop knowledge and understanding of how the mind and body works in relation to performance in physical sport. Engaging in key issues and themes relating to contemporary global influences on physical education will give them a thorough and in depth education into the world of sports science.

We have developed our qualifications with a 'supporting through practice' approach, designed to enable all students to further their understanding of the subject through application. Students will be encouraged to engage in physical activity and sport by contextualising the theory and applying their knowledge to their practical performance as a performer or coach.

Content and Assessment Overview

Components	Topic	Time	Marks	% of Course
1	Physiological factors affecting performance	2hrs (Written Examination)	90	30%
2	Psychological factors affecting performance	1 hr (Written Examination)	60	20%
3	Socio-cultural issues on physical activity and sport	1 hr (Written Examination)	60	20%
4	Practical performance and analysis	Ongoing (non exam assessment)	60	30%



Head of Department: Charles Leota

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Exam Board: Pearson-Edexcel

Course Code: 9PE0

Please click [here](#) to watch a short video about the course



A-Levels: Making informed decisions

When making your final selections, please ask yourself these questions to help you with any decisions.

1. Do you know what you want to study at university? Have you looked at the course requirements and selected the right combination of subjects?

Top Tip: Visit the [UCAS website](#) to explore a range of courses available in the United Kingdom.

2. What are you good at? What subjects did you achieve your best grades in at GCSE?
3. What do you enjoy? Passion and flair for a subject makes for an enjoyable learning experience and usually better grades.

Top Tip: Have a look at the careers quiz [here](#) to get an idea of courses that suit your interests.

4. Do you know your future path - for both university and career? If you don't know what you want to do at university, keep your options open by selecting a range of subject types e.g. an academic and creative mix

Top Tip: Experiment with different A-Level combinations to see potential university courses with the selected subjects: Click [here](#)

5. Choose the subject not the teacher!



Assistant Head Senior: Stephen Davis

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If you have any questions regarding the **A-Level Options** process, or would like any additional advice please contact Mr. Stephen Davis.

To select your options please click on the link [here](#)



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