



Haileybury Almaty



A Levels at Haileybury Almaty  
2023-2025 Curriculum Information Booklet

# Welcome from the Headmaster



The Sixth Form experience is a hugely important one representing the most crucial years of a pupil's academic life. We look forward to developing and progressing all our most senior pupils as they begin their A-Level programmes and prepare for entry to the university of their choice. We seek to develop young leaders for the future and are committed to the development and progress of our most senior pupils as they move through Year 12 and Year 13.

Each year we are very proud of the successes of our school leavers who depart with strong A-level results, a very wide ranging co-curricular experience and excellent and world class university offers. This process is refined each year and begins with the successful choice of a well selected A-Level programme. These choices are guided by a pupil's interests and aptitude, as well as by the entry requirements of the next phase of university education.

Our staff are here to assist and look forward to working with you and your son or daughter to achieving their very best potential. We have a very comprehensive and experienced team of staff to help all our pupils undertake this two year course of study including Mrs Williams, Head of Sixth Form, our Deputy Heads, Mrs Angus (Academic) and Mr Pandya (Pastoral), who lead a highly qualified team of Heads of Faculty, Subject Teachers, Heads of House, Tutors and Counsellor.

A key staff member for all our Sixth Form pupils is Mr Steve Stockermans, our University Counsellor, who has broad knowledge of the many global university entrance requirements and who assists all of our pupils to maximise their university application procedure. Every year we work with families and Sixth Form pupils to navigate successfully the challenging universities application process. We are deeply proud of the many high level university successes that pupils achieve which include the very best courses and institutions in the world.

We look forward to welcoming our new Sixth Form pupils to their two year course of study and to developing personally as young men and women who will go on to do diverse and high profile positions in the future. Please do seek advice on any aspect of course choice for the Sixth Form from the staff identified above and we will assist on this important next phase of your son or daughter's education.

**Simon Mills**  
Headmaster

# Message from the Deputy Head Academic

Deciding what to do after Year 11, where you should go and what you should study is a complex and important task. Choosing the right sort of institution to suit your needs is as important as selecting the right courses.

In the Sixth Form (Year 12-13) at Haileybury Almaty, we offer a range of courses, excellent teaching and a team of highly skilled House Tutors. We are very proud of the personalised service we are able to offer all our pupils.

At Haileybury Almaty, our Sixth Form have a leadership role within the school. This helps extend their skills, that will be useful throughout life and means that our expectations for our pupils are both academically and socially high. Pupils are given more independence and freedom to organise their work, but also more responsibility, helping them in the important transition period towards university life. Pupils will be able to achieve and obtain the A Level results they need for their university choice through an academically guided programme designed to support them every step of the way.

Our outstanding Co-curricular Activities Programme continues in Sixth Form and pupils should take every opportunity to develop their passions and maybe find new ones!

Every year the vast majority of Year 13 pupils get their first choice destination, even if that is studying at Oxbridge or Ivy League.

Life in Haileybury Almaty Sixth Form is hard-work, but also great fun. It is a period of your life when you will establish strong lifelong friendships as well as a lifelong love of learning.



**Andrea Angus**  
Deputy Head  
Academic

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# Haileybury Almaty Sixth Form

The Sixth Form at Haileybury Almaty provides a stimulating and friendly environment in which pupils can continue their academic education beyond their IGCSE examinations. Advanced Level, General Certificates of Education, are the most popular qualification for entry to universities in the UK. They are accepted and valued by universities in America, Europe, Canada, and Australia and in other countries throughout the world. The vast majority pupils enter universities around the world having completed A Levels. The qualification is understood and accepted as evidence of high academic achievement.

A Levels are studied over a two year period, with examinations either taken at the end of each year or all at the end of the course. Pupils at Haileybury Almaty typically take three or four subjects, which give them the opportunity to enter the best universities in the world. A Level grades range from A\* to E.

In international schools, those whose first language is not English also take an English Language qualification.

At Haileybury Almaty pupils take the International English Language Testing System (IELTS). This qualification is accepted by major universities around the world as evidence that a pupil has a sufficient level of English to cope with university courses. All citizens of Kazakhstan will also study the Kazakh language.

A Levels have the advantage of being very flexible and allow you to specialise. You may take all science subjects or all arts subjects or a mixture. Choices made now will certainly narrow the range of university courses for which you can apply in two years' time; however, most doors can be kept open and your university course may differ significantly from the subjects you take at Sixth Form. A Level requirements for UK university disciplines are available through the UCAS website.

Haileybury Almaty Sixth Form has excellent teacher-pupil ratios and will guarantee you the individual support and guidance you need. Haileybury Almaty's highly qualified academic staff are vastly experienced with A Levels.

The extra-curricular programme will be an integral part of Sixth Form studies and pupils you should consider taking a full part in the life of the school. University Tutors are looking for creativity, flexibility, adaptability and resilience as well as academic ability. The Sixth Form at Haileybury Almaty strives to foster these qualities.

## The Sixth Form team

During your time at the Sixth Form you will be working closely with staff who will guide your academic and pastoral development, particularly as you apply for universities.

# The British IGCSE and A Level System

The Sixth Form Team encourages a broad-based application strategy and assists pupils jointly with applications to universities in every region of the world, including Europe, East Asia, Australia, Canada, and elsewhere.

## University entry requirements

In the Year 13 you will submit your applications to university. The school will help with this process and write references. You will write a personal statement and explain why you wish to apply for a particular course. You will also mention your achievements in your extra-curricular activities.

UK universities make offers on the basis of the application form, performance at IGCSE and AS and/or predicted A Level grades. Very popular and competitive courses will require high grades. Other universities will offer lower grades. The UCAS website gives a full range of course requirements for the UK and guidance will be given by the school.

American universities may require you to take SATs in addition to your A Levels. A Levels are particularly well viewed by North American universities and qualify pupils for credits on many North American undergraduate degree programmes. Help will be given with applications to US and Canadian institutions as required. These are usually submitted in December. Applications to universities in New Zealand and Australia are normally submitted after the A Level results – the academic year in the southern hemisphere runs from February to November.



### Janice Williams

In addition to her role as Head of Sixth Form she is also the UK Applications and Guidance Counsellor. Mrs Williams supervises the application process and collaborates with the Heads of House to ensure that university references are tailor made for each student. She has a wealth of experience of the UK university application process and how to build a profile to make each student stand out.



### Steve Stockermans

is the US University Admission Counselor and assists pupils as they navigate the United States application process, including essay writing, activities advisement, choosing universities and applying for financial aid.

Let Mrs Williams know early on which country and university you're thinking of applying to. You'll get all the support you need with your application regardless of the destination.

### Entry requirements into Haileybury Almaty Sixth Form

Should your academic record be good, you will be invited to apply for entry to Haileybury Almaty Sixth Form to study A Levels. Applicants may be exempt from entrance testing upon the submission of a GCSE/IGCSE certificate showing 6 or more A\*-C grades including Mathematics and English and B grades in the subjects selected for A Level.

External applicants will be asked to sit the school's entrance examinations. If you are applying from outside the school you should contact the Head of Admissions at: [yatakoziyeva@haileyburyalmaty.kz](mailto:yatakoziyeva@haileyburyalmaty.kz)

Internal candidates are offered a place on the basis of their GCSE mock exam results and predicted grades.

Enrolment into the Sixth Form closes one month after each course commences.

Career choice	A Level consideration	Additional information
Arts and Humanities	Dependent on specialism	
Biological Sciences	Chemistry and Biology	A third subject should be Physics, Mathematics or Geography
Business Studies/ Accountancy/Finance	Mathematics	Economics A Level could be useful. Grade B at Mathematics IGCSE is usually a minimum requirement for Business Studies
Computer Science	Mathematics	Computer Science at A Level would be useful
Economics	Mathematics	Economics A Level would be useful
Engineering: Aeronautical Electrical Mechanical Chemical	Mathematics, Further Mathematics, Physics	Chemistry is also useful
Law	Sciences, Languages, Mathematics, English, History	
Medicine, Veterinary Science, Dentistry	Chemistry, Biology, Mathematics	Very high entry standards, usually A*AA/AAA for Medicine. Physics also valuable

## Making the right choice: advice and guidance

Haileybury Almaty will offer the following subjects at A Level but other courses may be available with sufficient demand. Speak to the Head of Sixth Form if your subject is not on the list:

- Art & Design;
- Biology;
- Business Studies;
- Chemistry;
- Computer Science;
- English Language OR;
- English Literature;
- Economics;
- Further Mathematics (must also take Mathematics);
- Geography;
- History;
- Mathematics;
- Physics;
- Psychology;
- Russian.

A subject may not run with very low numbers and pupils will be asked to select an alternative.

## Advice

If you do not know which subjects to take, you should talk through the options with your parents, your House Tutor, your subject teacher, Head of House and Deputy Head Academic, who will be happy to advise you. If you have a particular career in mind then it is important that you check which subjects are required, or strongly favoured, by universities offering the appropriate courses. For further information see the Deputy Head Academic.

Ask yourself: Which subjects you find interesting? Where do your strengths lie? Understand that employers are often more interested in whether you have been successful in your subjects, rather than in the subjects themselves.

If you struggle with organisation and longer pieces of work then check carefully that the workload is manageable for you. If extended writing or coursework assignments are not your strength then avoid selecting subjects with large coursework components. You are most likely to do well in a subject you enjoy.

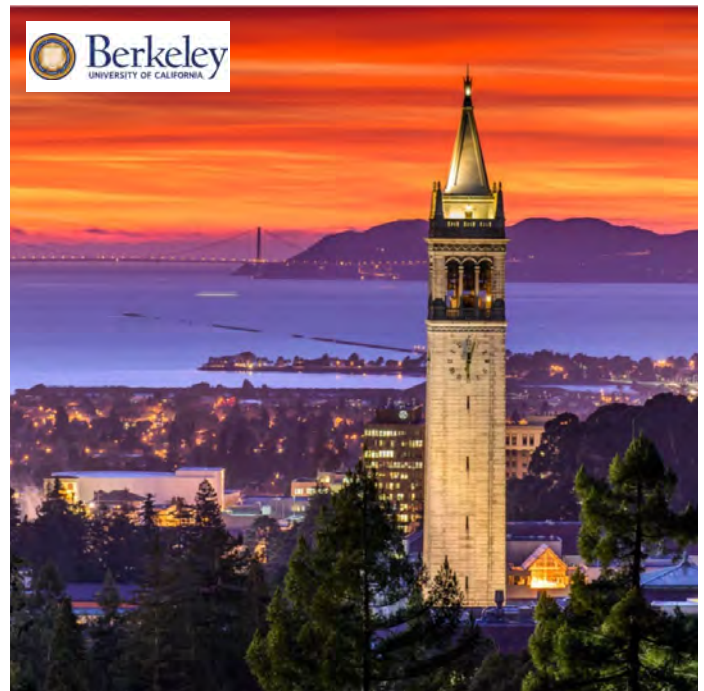
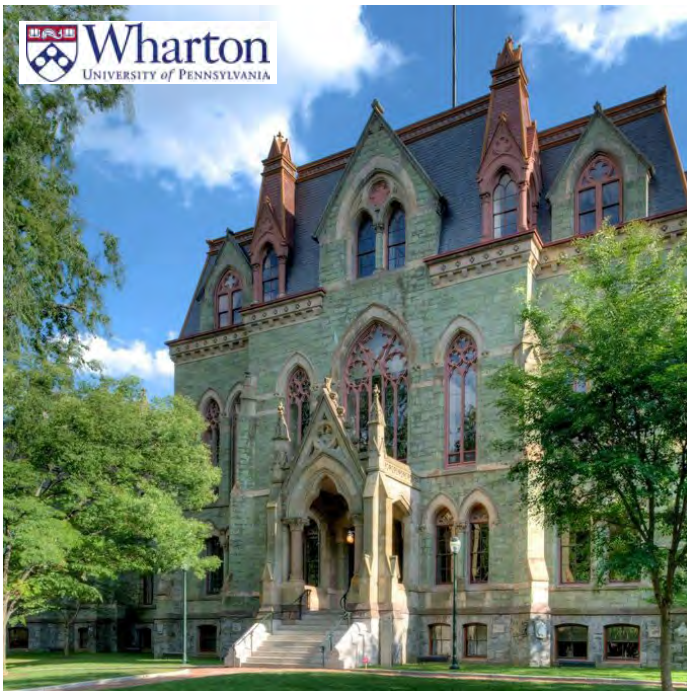
This booklet provides you with further information about the A Level courses.

If you have any queries about the options process, please contact the Director Head Academic, Mrs Andrea Angus.



# Leavers' University Destinations

United Kingdom	United States	Europe	Other
Trinity College University of Cambridge	Massachusetts Institute of Technology	Bocconi University	University of Toronto (Canada)
Peterhouse University of Cambridge	Yale University	Delft University (Netherlands)	Ontario College of Art & Design (Canada)
Gonville and Caius College, University of Cambridge	Columbia University	Leiden University (Netherlands)	Simon Fraser University (Canada)
Balliol College University of Oxford	Brown University	Erasmus University Rotterdam (Netherlands)	Capilano University (Canada)
University College London	The Wharton School University of Pennsylvania	NHL Stenden (Netherlands)	Dalhousie University (Canada)
Imperial College London	University of California at Berkeley	Karlsruhe Institute of Technology (Germany)	Hong Kong University of Science and Technology (China)
Durham University	Parsons School of Design	University of Vienna (Austria)	Shenzhen University (China)
University of Manchester	Amherst College	Vienna University of Technology (Austria)	KAIST (South Korea)
Loughborough University	California Institute of the Arts	KU Leuven University (Belgium)	Chonbuk National University (South Korea)
University of Nottingham	Fordham University	Science Political University (France)	American University of Dubai (UAE)
University of Leeds	Drexel University	Les Roches International School of Hotel Management (Switzerland)	Heriot-Watt University Dubai (UAE)
Coventry University	The University of New Orleans	Les Roches School of Management (Spain)	Nazarbayev University (Kazakhstan)
Royal Holloway University of London	Colorado State University	IE University (Spain)	KIMEP (Kazakhstan)
Glasgow School of Art	Northeastern University		Kazakh-British Technical University (Kazakhstan)
Central St Martins University of Arts			



# EAL Faculty

## What is IELTS?

IELTS Academic is a Secure English Language Test (SELT) which will be used to prove that you are proficient enough to study in English, or at an overseas university. All pupils wishing to apply to university abroad must take an IELTS Academic examination. For pupils applying to British universities, the IELTS Academic UKVI test is needed to obtain a student visa.

## What score do I need?

We encourage our pupils to aim for a band score of 7.5 or a high C1 on the Common European Framework. This will meet the requirements for most institutions and ensure that pupils undertaking A-Levels can access the curriculum fully. However, as the score you need can vary, pupils must check the English language requirements of their prospective university courses.

## Resources

Pupils who join the 6th Form at Haileybury are expected to take responsibility for their English language learning; to seek out and make the most of opportunities for practice, develop subject-specific vocabulary, reflect on the quality of their English, and strive to achieve an excellent level of proficiency. The Language & Learning Faculty provides a number of resources: access to a computer-aided language learning programme which provides the option of flexible, independent learning, individual coaching to prepare for the exam, and digital resources for practice and reference.

## Arranging the exam

The exam should be booked independently of the school and the fee (approximately 91 000 tenge currently) paid directly to the examination centre. Most pupils sit the IELTS exam at the British Council Centre in Almaty, and we recommend you take it in Terms 2 or 3 if you are in Year 12, or Term 1 if you are in Year 13. You will have the option of a paper-based test or a computer-based test depending on your preference. You will receive your results from 1-4 weeks after the exam.

# A Level Options

# ART & DESIGN A Level



For further information please look at: [A-level Art and Design specification](#)

## Prerequisites

Pupils should have studied GCSE Art and achieved a grade C or above. Since the assessment is predominantly coursework pupils should approach this course with a willingness to experiment and develop skills across a range of materials and techniques. There will also be tuition to specialise in areas such as Textiles, Ceramics, Photography or Digital Media.

## Reasons for studying Art & Design (Pearson Edexcel International)

The Pearson Edexcel International Art and Design syllabus considers expression and communication. Learners gain an understanding of visual perception and the ways in which artists and designers communicate ideas.

Most of the work for this syllabus is practical, so that learners can develop their abilities of observation and analysis of the visual world, with sensitivity, skill, personal expression and imagination. They also learn how to relate their skills to an enhanced knowledge of their own cultures, past and present, as well as an appreciation of practical design problems.

## What you will be studying

You will study art from other cultures, historical contexts and local crafts, as well as gain familiarity with a broad range of fine artists that you can relate to their own studies. Candidates should also explore the use of tone, colour and composition, materials and context. Other materials including charcoal, pencil, ceramics, pastels, acrylic, watercolour, oil and ink can also be explored.

Candidates should work in one or more of the following:

- painting;
- drawing;
- sculpture;
- photography;
- print-making;
- mixed media;
- experimental – assemblage/construction.

## How you will learn

This syllabus aims to encourage pupils to develop:

- The ability to record their own experiences and observations from first-hand and secondary resources and personal research.
- The ability to collect, record and respond to visual information using a range of techniques.
- The skill to select, give context to and organise the information they collect in a coherent way.
- The ability to effectively use a wide range of resources and use the information to develop their practice.
- The ability to make personal investigations.
- The application of a range of skills to produce art and design work.
- A critical awareness of their work in a contextual framework and the ability to review it based on their own, and others', opinions.
- The ability to reflect, refine and adapt.



## How you will be assessed

### Assessment overview

Overview – all candidates take two compulsory components.

#### Component 1

##### *Title: Personal Investigation*

Work presented for assessment draws on topics from across the qualification relevant to the title being followed.

- The assessment is completed over the duration of the course.

- Assessment evidence consists of responses to internally set and negotiated assignments and personal starting points, including practical work, supporting studies and a personal study comprising a minimum 1000 words of continuous written prose.

#### Component 2

##### *Title: Externally Set Assignment*

- The Externally Set Assignment theme and starting points will be released each year, on 1 February.
- The 15-hour period of sustained focus under examination conditions will take place over multiple sessions (a maximum of five, within three consecutive weeks).

Component	Assesment Objectives				Total for all Assesment Objectives
	Ao1	Ao2	Ao3	Ao4	
Component 1: Personal Investigation	15%	15%	15%	15%	60%
Component 2: Externally Set Assignment	10%	10%	10%	10%	40%
<b>Total for this qualification</b>	<b>25%</b>	<b>25%</b>	<b>25%</b>	<b>25%</b>	<b>100%</b>

Students must			% in GCE
<b>Ao1</b>	Develop ideas through sustained and focused investigation informed by contextual and other sources, demonstrating analytical and critical understanding.		25
<b>Ao2</b>	Explore and select appropriate resources, media, materials, techniques and process, reviewing and refining ideas as work develops.		25
<b>Ao3</b>	Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.		25
<b>Ao4</b>	Present a personal and meaningful response that realises intentions and, where appropriate, makes connections between visual and other elements.		25
<b>Total</b>			<b>100</b>

# BIOLOGY International A Level



## Prerequisites

Pupils will need to have IGCSE in Biology A\*-B or its equivalent.

## Reasons for studying Biology (Edexcel)

As well as a focus on biology this course also features a large section on How Science Works. The GCE Biology syllabus enables pupils to better understand the world in which they live, and take an informed interest in science, scientific developments and how science works. Pupils learn about the basic concepts in biology through a mix of theoretical and practical studies. Pupils also develop an understanding of the scientific skills essential for further study at university level but are also, useful in everyday life. As they progress, pupils learn how science is studied and practised, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment. [www.edexcel.com](http://www.edexcel.com)



## What you will be studying

AS Units (Lower Sixth)	A2 Units (Upper Sixth)
<p><i>IAS Unit 1: Molecules, Diet, Transportation, Health (WB1o1)</i></p> <ul style="list-style-type: none"> <li>• structure and function of carbohydrates, lipids and proteins; enzyme action.</li> <li>• structure and properties of cell membranes; passive and active transport.</li> <li>• structure and role of DNA and RNA.</li> <li>• replication; protein synthesis.</li> <li>• monohybrid inheritance.</li> <li>• gene mutations.</li> <li>• principles of gene therapy; social and ethical issues.</li> </ul>	<p><i>IA2 Unit 4: Energy, Environment, Microbiology and Immunity (WB1o4)</i></p> <ul style="list-style-type: none"> <li>• photosynthesis; energy transfer within ecosystems</li> <li>• evidence for global warming.</li> <li>• evolution through natural selection and speciation.</li> <li>• nutrient recycling.</li> <li>• DNA profiling and PCR.</li> <li>• structure of bacteria and viruses.</li> <li>• infectious diseases (e.g. AIDS and TB) and immunology.</li> </ul>
<p><i>IAS Unit 2: Cells, development, Biodiversity, Conservation (WB1o2)</i></p> <ul style="list-style-type: none"> <li>• cell structure and ultrastructure of eukaryote and prokaryote cells; cell specialisation.</li> <li>• the role of meiosis.</li> <li>• genotype and environmental influence.</li> <li>• stem cell research and its implications.</li> <li>• biodiversity, adaptations and natural selection.</li> <li>• principles of taxonomy.</li> <li>• plant cell structure.</li> <li>• transport of water in plants.</li> <li>• uses of plant products.</li> </ul>	<p><i>IA2 Unit 5: Respiration, Internal Environment, Coordination and Gene Technology (WB1o5)</i></p> <ul style="list-style-type: none"> <li>• ATP, glycolysis, anaerobic/aerobic respiration.</li> <li>• control and functioning of heart; ventilation and cardiac output.</li> <li>• homeostasis.</li> <li>• the nervous system.</li> <li>• impact of exercise on body, and improving performance.</li> <li>• hormonal coordination.</li> <li>• brain structure and development.</li> <li>• imbalances in brain chemicals.</li> <li>• Human Genome Project.</li> </ul>
<p><i>IAS Unit 3: Practical Biology and Research Skills (WB1o3)</i></p> <p>You 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 you study Units 1 and 2.</p> <p>This unit will assess your knowledge and understanding of experimental procedures and techniques that are developed throughout Units 1 and 2.</p>	<p><i>IA2 Unit 6: Practical Biology and Investigative Skills (WB1o6)</i></p> <p>You are expected to develop a wide knowledge and understanding of experimental procedures and techniques throughout the whole of your International Advanced Level course. You are expected to become aware of how these techniques might be used to investigate interesting biological questions.</p> <p>This unit will assess your knowledge and understanding of experimental procedures and techniques and your ability to plan whole investigations, analyse data and to evaluate your results and experimental methodology.</p>

## How you will be assessed

AS Units – Three exams are taken at the end of Lower Sixth	A2 Units – Three exams are taken at the end of Upper Sixth
<i>IAS Unit 1: Molecules, Diet, Transportation, Health (WB1o1)</i> <ul style="list-style-type: none"><li>Written examination of 1 hour and 30 minutes, consisting of objective, structured and short-answer questions (40% of AS grade, 20% of IAL grade)</li></ul>	<i>IA2 Unit 4: Energy, Environment, Microbiology and Immunity (WB1o4)</i> <ul style="list-style-type: none"><li>Written examination of 1 hour and 30 minutes, consisting of objective, structured and short-answer questions. (20% of IAL grade)</li></ul>
<i>IAS Unit 2: Cells, development, Biodiversity, Conservation (WB1o2)</i> <ul style="list-style-type: none"><li>Written examination of 1 hour and 30 minutes, consisting of objective, structured and short-answer questions (40% of AS grade, 20% of IAL grade)</li></ul>	<i>IA2 Unit 5: Respiration, Internal Environment, Coordination and Gene Technology (WB1o5)</i> <ul style="list-style-type: none"><li>Written examination of 1 hour and 45 minutes, consisting of objective, structured and short-answer questions. (20% of IAL grade)</li></ul>
<i>IAS Unit 3: Practical Biology and Research Skills (WB1o3)</i> <ul style="list-style-type: none"><li>Written examination of 1 hour and 30 minutes, consisting of objective, structured and short-answer questions (20% of AS grade, 10% of IAL grade)</li></ul>	<i>IA2 Unit 6: Practical Biology and Investigative Skills (WB1o6)</i> <ul style="list-style-type: none"><li>Written examination of 1 hour and 30 minutes, consisting of objective, structured and short-answer questions. (10% of IAL grade)</li></ul>

# BUSINESS STUDIES International A Level



## Prerequisites

Pupils will have gained five C grades, including English language to qualify for the course as well as meeting the School's requirement to enter the Sixth Form. It would also be an advantage to have a pass grade in GCSE Business Studies.

## Reasons for studying Business Studies (Edexcel X/YBSO<sub>1</sub>)

Advanced level International Business Studies course aims to encourage pupils to: develop an interest

in and enthusiasm for the study of business; gain a holistic understanding of business; develop a critical understanding of organisations and their ability to meet society's needs and wants; understand that business behaviour can be studied from a range of perspectives; generate enterprising and creative solutions to business problems and issues; acquire a range of relevant business and generic skills, including decision making, problem solving, and challenging assumptions.

## What you will be studying

Haileybury Almaty pupils will study the latest International Business Studies course from Edexcel:

### AS Unit 1: Business Enterprise

Pupils will learn about introduction to business practice, the importance of the market and how businesses interact with customers and competitors. They will learn about the role of the entrepreneur, market research techniques, the importance and use of finance, break-

even analysis and how to measure and analyse business performance. They will also consider how the wider economic environment and stakeholders may affect businesses, large and small.

### AS Unit 2: Business Structures and Processes

Pupils will learn about the key functional areas of a business. They will develop their understanding of how businesses relate to their customers and analyse change in their markets and how businesses manage their people effectively. They will understand business operations and develop their understanding of finance and why businesses may fail.





### A2 Unit 3: Strategic Business Decisions

Pupils will examine the competitiveness of businesses through performance and non-performance indicators. They will analyse corporate objectives and strategy on the basis of these indicators and on external influences to businesses. They will assess the causes and effects of change on businesses, and examine how companies can manage risk and grow effectively.

### A2 Unit 4: Business in a Global Context

Pupils will focus on the world of international business, and consider change and growth in global economies. They will examine the different factors businesses have to consider when operating in a global market and they will also assess the impact of multinational corporations on the global economy.

### How you will learn

This Edexcel International Advanced Level Business Studies programme requires pupils to: Demonstrate knowledge and understanding of the specified content; apply knowledge and understanding of the specified content to problems and issues arising from both familiar and unfamiliar situations; analyse economic problems and issues; evaluate business arguments and evidence, making informed judgements; organise information clearly and coherently, using specialist vocabulary; and use an enquiring, critical and thoughtful approach to the study of Business.

### How you will be assessed

Unit 1: AS	Unit 2: AS	Unit 3: A2	Unit 4: A2
Examination of 80 marks; duration 1 hour 30 mins; 25% of A Level grade.  Examination is in two sections and consists of multiple choice questions and data response questions.	Examination of 80 marks; duration 1 hour 30 mins; 25% of A Level grade.  Examination is in two sections and consists of multiple choice questions and data response questions.	Examination of 80 marks; duration 2 hours; 25% of A Level grade.  Examination is in two sections and consists of data response questions and questions based on case studies.	Examination of 80 marks; duration 2 hours; 25% of A Level grade. Examination is in two sections and consists of data response questions and questions based on case studies.

# CHEMISTRY International A Level



## Prerequisites

Pupils will need to have IGCSE in Chemistry A\*- B or its equivalent.

## Reasons for studying Chemistry (Edexcel)

As well as a focus on chemistry this course also features a large section on How Science Works. The IAL Chemistry syllabus enables pupils to better understand the world in which they live, and take an informed interest in science, scientific developments and how science works. Pupils learn about the basic concepts in chemistry through a mix of theoretical and practical studies. Pupils also develop an understanding of the scientific skills essential for further study at university level but are also, useful in everyday life.



## What you will be studying

AS Units (Lower Sixth)	A2 Units (Upper Sixth)
<p><i>IAS Unit 1: Structure, Bonding and Introduction to Organic Chemistry (WCHo1)</i></p> <ul style="list-style-type: none"> <li>Formulae writing, equation writing and calculating chemical quantities.</li> <li>Energetics and enthalpy change.</li> <li>Atomic structure and the Periodic table.</li> <li>Chemical bonding (ionic, covalent and metallic).</li> <li>Organic chemistry – alkanes and alkenes.</li> </ul>	<p><i>IA2 Unit 4: Rates, Equilibria and Further Organic Chemistry (WCHo4)</i></p> <ul style="list-style-type: none"> <li>Quantitative study of chemical kinetics.</li> <li>Entropy.</li> <li>Quantitative study of equilibria.</li> <li>Acid/base equilibria.</li> <li>Further organic chemistry including carbonyl compounds, carboxylic acids and their derivatives.</li> <li>NMR spectroscopy and chromatography.</li> </ul>
<p><i>IAS Unit 2: Energetics, Group Chemistry, Halogenoalkanes and Alcohols (WCHo2)</i></p> <ul style="list-style-type: none"> <li>Shapes of molecules and ions.</li> <li>Intermediate bonding and bond polarity.</li> <li>Intermolecular forces.</li> <li>Redox reactions.</li> <li>The periodic table – groups 2 and 7.</li> <li>Kinetics.</li> <li>Chemical equilibria.</li> <li>Organic chemistry – alcohols and halogen alkanes (including mechanisms).</li> <li>Mass spectra and IR spectroscopy.</li> <li>Green chemistry.</li> </ul>	<p><i>IA2 Unit 5: Transition Metals and Organic Nitrogen Chemistry (WCHo5)</i></p> <ul style="list-style-type: none"> <li>Application of redox chemistry.</li> <li>Transition metals and their chemistry.</li> <li>Further organic chemistry including arenes and organic nitrogen compounds.</li> <li>Organic synthesis.</li> </ul>
<p><i>IAS Unit 3: Chemistry Laboratory Skills I Alternative (WCHo3)</i></p> <ul style="list-style-type: none"> <li>This unit contains a practical written examination that covers the content of Units 1 and 2. There is no specific content for this unit. The practical written examination covers the areas of physical, organic and inorganic chemistry on qualitative observations, quantitative measurements and preparations.</li> </ul>	<p><i>IA2 Unit 6: Chemistry Laboratory Skills II Alternative (WCHo6)</i></p> <p>This unit contains a practical written examination that covers the content of Units 4 and 5. There is no specific content for this unit. The practical written examination covers the areas of physical, organic and inorganic chemistry on qualitative observations, quantitative measurements and preparations.</p>

## How you will be assessed

AS Units – Three exams are taken at the end of Lower Sixth	A2 Units – Three exams are taken at the end of Upper Sixth
<p><i>IAS Unit 1: Structure, Bonding and Introduction to Organic Chemistry (WCHo1)</i></p> <p>Examination of 1 hour 30 minutes in two sections:</p> <ul style="list-style-type: none"><li>• Section A: objective test questions.</li><li>• Section B: mixture of short-answer and extended answer question.</li></ul> <p>(40% of AS grade, 20% of IAL grade).</p>	<p><i>IA2 Unit 4: Rates, Equilibria and Further Organic Chemistry (WCHo4)</i></p> <p>Examination of 1 hour 40 minutes in three sections:</p> <ul style="list-style-type: none"><li>• Section A: objective test questions.</li><li>• Section B: mixture of short-answer and extended answer questions.</li><li>• Section C: data questions, with use of a data booklet.</li></ul> <p>(20% of IAL grade).</p>
<p><i>IAS Unit 2: Energetics, Group Chemistry, Halogenoalkanes and Alcohols (WCHo2)</i></p> <p>Examination of 1 hour 30 minutes in three sections:</p> <ul style="list-style-type: none"><li>• Section A: objective test questions.</li><li>• Section B: mixture of short-answer and extended answer questions.</li><li>• Section C: contemporary context questions.</li></ul> <p>(40% of AS grade, 20% of IAL grade).</p>	<p><i>IA2 Unit 5: Transition Metals and Organic Nitrogen Chemistry (WCHo5))</i></p> <p>Examination of 1 hour 40 minutes in three sections:</p> <ul style="list-style-type: none"><li>• Section A: objective test questions.</li><li>• Section B: mixture of short-answer and extended answer questions.</li><li>• Section C: contemporary context questions.</li></ul> <p>(20% of IAL grade).</p>
<p><i>IAS Unit 3: Chemistry Laboratory Skills I Alternative (WCHo3)</i></p> <p>Examination of 1 hour 15 minutes with one section (20% of AS grade, 10% of IAL grade).</p>	<p><i>IA2 Unit 6: Chemistry Laboratory Skills II Alternative (WCHo6)</i></p> <p>Examination of 1 hour 15 minutes with one section (10% of IAL grade).</p>

The results from the AS and A2 exams combine to give an IAL overall grade (the weighting is 50:50) grades are A\* to E.

# International AS & A Level COMPUTER SCIENCE



## IA COMPUTER SCIENCE: 9618 (Cambridge International Examinations)

Haileybury IA Computer Science learners study the principles and practices of computing and gain confidence in computational thinking and programming.

### Aims

The aims of this course are to enable students to develop:

- Computational thinking skills.
- An understanding of the main principles of solving problems using computers.
- An understanding of the component parts of computer systems and how they interrelate, including software, data, hardware, communication and people.

- An understanding of the different methods of communication and the functionality of networks and the internet.
- The skills necessary to apply this understanding to develop computer based solutions to problems.

### AS Content

1 Information representation 2 Communication 3 Hardware 4 Processor Fundamentals 5 System Software 6 Security, privacy and data integrity 7 Ethics and Ownership 8 Databases 9 Algorithm Design and Problem-Solving 10 Data Types and structures 11 Programming 12 Software Development.

### A2 Content

13 Data Representation 14 Communication and internet technologies 15 Hardware and Virtual Machines 16 System Software 17 Security 18 Artificial Intelligence (AI) 19 Computational thinking and problem solving 20 Further Programming.

## Assessment overview

AS Level		A2 Units (Upper Sixth)	
<i>Paper 1</i> <i>Theory Fundamentals</i> 1 hour 30 minutes 75 marks. Paper 1 will assess sections 1 to 8 of the syllabus content. Written paper. Externally assessed. Candidates answer all questions. 50% of the AS Level 25% of the A Level.	<i>Paper 2 Fundamental</i> <i>Problem-solving and Programming Skills</i> 2 hours 75 marks. Paper 2 will assess sections. 9 to 12 of the syllabus content. Candidates will need to write answers in pseudocode. Written paper. Externally assessed. Candidates answer all questions. 50% of the AS Level. 25% of the A Level.	<i>Paper 3. Advanced Theory</i> 1 hour 30 minutes 75 marks. Paper 3 will assess sections 13 to 20 of the syllabus content. Written paper. Externally assessed. Candidates answer all questions. 25% of the A Level.	<i>Paper 4 Practical</i> 2 hours 30 minutes 75 marks. Paper 4 will assess sections 19 to 20 of the syllabus content. Candidates will submit complete program code and evidence of testing. Candidates will be required to use either Java, VB.NET or Python programming languages. Externally assessed. Candidates answer all questions on a computer without internet or email facility. 25% of the A Level.





# ECONOMICS International A Level



## Prerequisites

Pupils will have gained five C grades, including English language to qualify for the course as well as meeting the School's requirement to enter the Sixth Form. It would also be an advantage to have grade B or higher in iGCSE Economics.

## Reasons for studying ECONOMICS (Edexcel)

The Advanced GCE course in Economics aims to provide understanding of: macroeconomic and microeconomic theories and concepts at both AS and A2; basic microeconomic models and application of these to current problems and issues; and the contribution of economics to the understanding of the wider economic and social environment.

[www.qualifications.pearson.com](http://www.qualifications.pearson.com)

## What you will be studying

Haileybury Almaty pupils will study the latest Economics course from Edexcel:

### AS Units (Lower Sixth)

#### *AS Unit 1 (WEC11): Markets in action*

- The nature of economics.
- Demand and consumer behaviour.
- Supply.
- Price determination.
- Market failure.
- Government intervention in markets.

#### *AS Unit 2 (WEC12): Macroeconomic performance & policy*

- Measures of economic performance.
- The circular flow of income.
- Aggregate demand.
- Aggregate supply.
- The interaction of AD & AS to determine equilibrium.
- Economic growth.
- Macroeconomic objectives & policies.

### A2 Units (Upper Sixth)

#### *A2 Unit 3 (WEC13): Business behaviour*

- The Firm & its objectives.
- Revenue costs & profit.
- Market structure & contestability.
- Labour market.
- Government intervention to promote competition.

#### *A2 Unit 4 (WEC14): Developments in the global economy*

- Causes & effects of globalisation.
- Trade & the world economy.
- Balance of payments & exchange rates.
- Poverty & inequality.
- The role of the state in the macroeconomy.
- Measures to promote growth and development.

# ENGLISH LITERATURE

## Edexcel International A Level



### Prerequisites

Pupils should have IGCSEs in English as a First Language/ Literature at grade 9 to 5 to qualify for the course, as well as meeting the school's requirements to enter the Sixth Form.

### Why study English Literature? (Edexcel International)

The study of poetry, plays, and novels is the study of life itself – as seen by the men and women who have expressed themselves in writing over the centuries. Literature allows us to explore different times, places, and experiences without ever leaving our favourite comfy chair. Studying literature in English will greatly increase your ability to think, to discuss, to develop your ideas and sharpen them in debate, and to express them clearly in words of your own. All of these skills are vital in a rapidly developing world where what you know is less important than your ability to think, create and imagine.

The study of literature can aid the study of other academic subjects — particularly history, art, psychology and modern languages — as well as reveal interests which could be pursued at university: Psychology; Philosophy; Sociology; Anthropology; Politics; Theology; Media; Law. An insight into the workings of the human mind, which is one aspect of literature studies, gives you a perspective on a wide range of historical periods and cultures, as well as gender, race and class issues. You should be able to discuss current affairs and moral dilemmas with ease, since this is the form and content of many of your lessons. Reading widely is the heart of a great education, and reading the greatest works by the finest writers will equip you not only for university but for the life of your choice.

### What you will be studying and how you will be assessed.

#### Unit 1: Year 12

Two hour open book examination.

**Section A: Post-2000 Poetry** – answer one essay question from a choice of two on the prescribed poems. Both essay questions will be comparative with one named poem plus a free choice of second poem from the prescribed list of poems in the studied text. **Section B: Post-2000 Prose** – answer one essay question from a choice of two on the studied prose text.

#### Unit 2: Year 12

Two hour open book examination.

**Section A: Pre-1900 Drama** – answer one essay question from a choice of two on their studied pre-1900 drama text. **Section B: Post-1900 Drama** – answer one essay question from a choice of two on the studied drama text.

#### Unit 3:

Two hour open book examination.

**Section A: Poetry** – answer one essay question on a post-1900 unseen poem. **Section B: Prose** – answer one comparative essay question from a choice of two, on the two prose texts that they have studied from a chosen theme.

#### Unit 4:

Two hour open book examination

**Section A: Shakespeare** – answer one essay question from a choice of two on the studied play. **Section B: Pre-1900 Poetry** – answer one essay question from a choice of two on the selected poems.

# MATHEMATICS

## at Haileybury Almaty Sixth Form



### Exam Board: Edexcel (Pearson)

#### Courses available

Mathematics can be studied either as one or as two A level courses; A level Mathematics and A level Further Mathematics, which can both be studied at either AS or A2.

**Mathematics** takes up five hours a week and consists of Pure Mathematics and Applied Mathematics.

**Mathematics and Further Mathematics** takes up 10 hours each week. This counts as two option choices and 2 A levels are completed by the end of the 2 year course. A level Mathematics is completed in Year 12 with some of the AS Further Mathematics and A2 Further Mathematics completed in Year 13.

All students studying A level Mathematics follow the same course. Two thirds of the course is Pure Mathematics which includes: Algebra, Coordinate Geometry, Trigonometry, Vectors and Calculus. One third of course is Applied Mathematics, studying Statistics and Mechanics.

In A level Mathematics, a certain amount of time will be spent working with and analysing large data sets on spreadsheets.

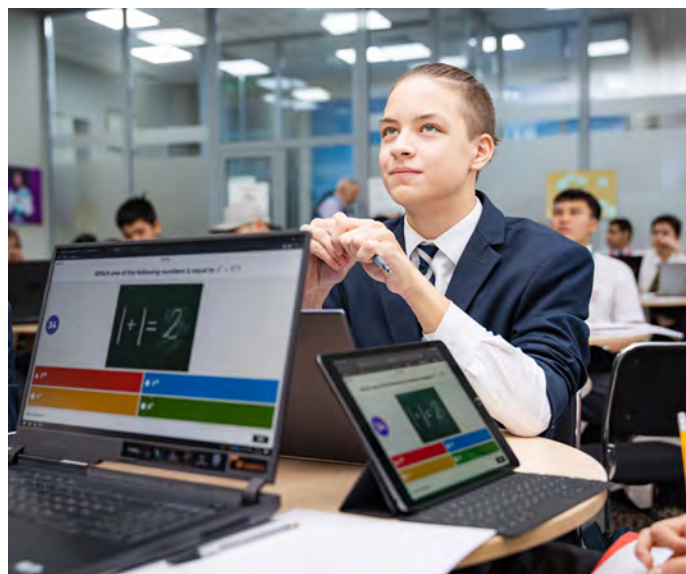
Half of the Further Mathematics course is Pure Mathematics, extending topics taught at A level and introducing new topics such as Complex Numbers, Matrices, First and Second Order Differential Equations, Polar Coordinates and Hyperbolic Functions.

The other half of the Further Mathematics course will consist of Mechanics 2 and Statistics 2. A further option of either Mechanics 3, Statistics 3 or Decision 1 is chosen and will be decided by the teacher.

#### Course Requirements

For A and AS level, those that have studied IGCSE Mathematics should have done so on the higher level course and achieved a grade of 7 or above.

Understanding and fluency with the algebra studied at IGCSE is the best indicator of likely success at A level and therefore it is recommended that students considering A level Mathematics discuss the matter with their mathematics teacher. To follow Mathematics and Further Mathematics you must have a grade 8 or 9 at IGCSE. Those students that have not taken a Mathematics qualification prior to the Sixth Form will be assessed as part of their application to Haileybury Almaty and advised accordingly about their suitability. All Mathematics candidates will be reassessed in the early stage of Year 12 to double check their suitability for the course.





## **Assessment**

### ***AS Level Mathematics***

(taken at the end of Year 12. Calculators are allowed to be used with the following units):

- Pure Mathematics 1, 1 hour 30 minutes (75 marks);
- Pure Mathematics 2, 1 hour 30 minutes (75 marks);
- Statistics 1, 1 hour 30 minutes (75 marks).

### ***A Level Mathematics***

(taken at the end of Year 13, after already having completed P1, P2 and S1. Calculators are allowed to be used with the following units):

- Pure Mathematics 3, 1 hour 30 minutes (75 marks);
- Pure Mathematics 4, 1 hour 30 minutes (75 marks);
- Mechanics 1, 1 hour 30 minutes (75 marks).

### ***AS Level Further Mathematics***

(taken at the end of Year 12 by Further Maths students wishing to complete the full A level. Calculators are allowed to be used with the following units):

- Pure Mathematics 1, 1 hour 30 minutes (75 marks);
- Mechanics 1, 1 hour 30 minutes (75 marks);
- Statistics 1, 1 hour 30 minutes (75 marks);
- Pure Mathematics 2, 1 hour 30 minutes (75 marks);
- Pure Mathematics 3, 1 hour 30 minutes (75 marks);
- Pure Mathematics 4, 1 hour 30 minutes (75 marks).

### ***A Level Further Mathematics***

(taken at the end of Year 13 by Further Maths Students. Calculators are allowed to be used with the following units):

- Further Pure Mathematics 1, 1 hour 30 minutes (75 marks);
- Further Pure Mathematics 2, 1 hour 30 minutes (75 marks);
- Further Pure Mathematics 3, 1 hour 30 minutes (75 marks);
- Mechanics 2, 1 hour 30 minutes (75 marks);

- Statistics 2, 1 hour 30 minutes (75 marks) and one choice from the following:
  - Mechanics 3, 1 hour 30 minutes (75 marks), or
  - Statistics 3, 1 hour 30 minutes (75 marks), or
  - Decision 1, 1 hour 30 minutes (75 marks).

### ***UKMT and Mathematical Olympiads***

Each year maths students in both years 12 and 13 participate in the Senior UKMT maths challenge, where a good number of students are successful and then invited to compete in the British Mathematical Olympiad Round 1.

There are also plenty of opportunities for those students who want to pursue competitions further, such as the International Mathematics Olympiad.

### ***University Courses where Mathematics is relevant.***

Studying mathematics at A-Level opens up a vast choice of careers, leading to many that pay well. Many university courses are looking for students who have already studied maths at A-Level because they are more likely to succeed by mastering topics far easier than those who have not studied the subject. Having an excellent grounding in mathematics helps promote logical thinking. Not only that, in general, it helps

to develop your communication and interpersonal skills, presentation skills, investigative study skills and commitment and determination.

Further Mathematics is highly desirable and is required by many top universities such as the Russell Group Universities for Mathematics, Computer Science, Economics, Actuarial Science and Engineering courses.

Mathematics is used in a wide variety of courses where the ability to deal with highly abstract concepts is needed.

Also, the ability to analyse data, to find patterns and extract conclusions is a much-needed skill required for the workplace. Having an analytical mind will also help with subjects such as Law and Philosophy.

# GEOGRAPHY International A Level



## Prerequisites

Pupils will have gained IGCSE Geography grade A\*-B to qualify for the course as well as meeting the school's requirement to enter the Sixth Form.

## Reasons for studying Geography (CIE)

The course follows on from the IGCSE allowing for specialisation in geographical study as well as the further development of fieldwork skills. It also enables pupils to progress to higher education and employment.

The understanding and skills developed through studying geography give each pupil the necessary tools to understand current global issues at a variety of scales and enable them to plan and respond appropriately to the challenges posed.

## What you will be studying

Our pupils will study the Cambridge International A Level Geography course. See table below for details.

Compulsory Units	Advanced Units (2 units from each section)
<p>Core Physical Geography</p> <ul style="list-style-type: none"><li>• Hydrology and fluvial geomorphology;</li><li>• Atmosphere and weather;</li><li>• Rocks and weathering.</li></ul>	<p>Advanced Physical Geography Options</p> <ul style="list-style-type: none"><li>• Tropical environments;</li><li>• Coastal environments;</li><li>• Hazardous environments;</li><li>• Hot arid and semi-arid environments.</li></ul>
<p>A Core Human Geography</p> <ul style="list-style-type: none"><li>• Population;</li><li>• Migration;</li><li>• Settlement dynamics.</li></ul>	<p>Advanced Human Geography Options</p> <ul style="list-style-type: none"><li>• Production, location and change;</li><li>• Environmental management;</li><li>• Global interdependence;</li><li>• Economic transition.</li></ul>



### How you will learn

Pupils will acquire knowledge, understanding and a range of skills through fieldwork, using GIS software (mapping, using ICT, graphical and presentational work. Pupils will also have the opportunity for group work, debates and discussions.

We use a variety of teaching styles to engage and support the learning styles of all our pupils.

### How you will be assessed

Advanced Level Geography is a 2 year course whereby our pupils will sit an AS Geography exam in Lower Sixth which accounts for half of the A Level and then they will sit a final A Level exam to complete the qualification in Upper Sixth.

- **Paper 1:** Core Physical Geography = 50% of AS Level (25% of overall A Level).
- **Paper 2:** Core Human Geography = 50% of AS Level (25% of overall A Level).
- **Paper 3:** Advanced Physical Geography = 25% of overall A Level.
- **Paper 4:** Advanced Human Geography = 25% of overall A Level.



# HISTORY International A Level



## Prerequisites

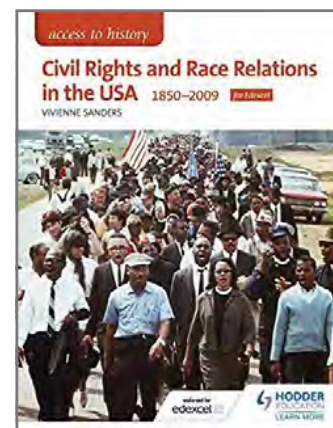
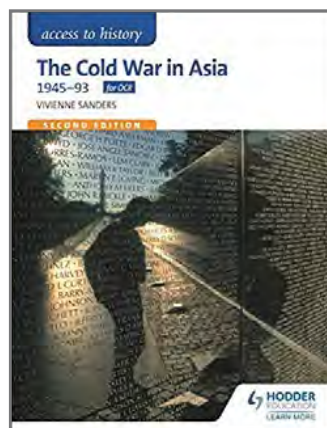
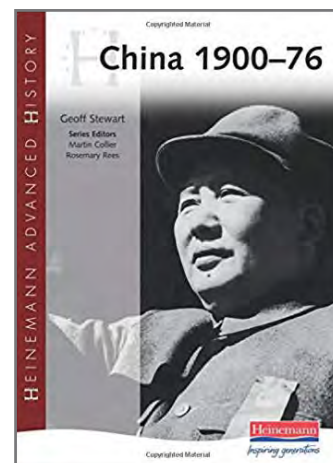
Pupils who do well in IGCSE would find the course a natural follow on to their previous studies, however other pupils who wish to be presented with an academic challenge around fascinating subject matter would also thrive. The course uses up to date assessment methods which have proved popular with pupils and universities. The emphasis is on the ability to produce historical reasoning.

## Reasons for studying History (Edexcel)

The course follows on from IGCSE allowing for specialisation in historical study, investigation of new thematic material and developing further analytical skills. GCE History enables pupils to progress to higher education and employment, proving key

skills recognised in business, law, journalism, crime scene investigation etc. The understanding and skills developed through studying History gives pupils

the necessary tools to understand analyse evidence, cohesively present large amounts of information and investigate key world events and current affairs.



## What you will be studying and how you will be assessed

Unit Title	Level	Assessment Information
<b>Unit 1:</b> Depth Study with Interpretations. <b>Option 1C:</b> Germany, 1918–1945.	IAS	2 hour examination. Two essays from a choice of four.
<b>Unit 2:</b> Breadth Study with Source Evaluation. <b>Option 1B:</b> China, 1900–1976.	IAS	2 hour examination. <b>Section A:</b> Pupils must answer a 2 part question. <b>Section B:</b> Pupils must answer one 25 mark essay question from a choice of three.
<b>Unit 3:</b> Thematic Study with Source Evaluation. <b>Option 1D:</b> Civil Rights and Race Relations in the USA, 1865–2009.	IAL	2 hour examination. <b>Section A:</b> Pupils must answer a 25 mark essay question. <b>Section B:</b> Pupils must answer a 25 mark essay question from a choice of two.
<b>Unit 4:</b> International Study with Historical Interpretations. <b>Option 1D:</b> The Cold War and Hot War in Asia, 1945–1990.	IAL	2 hour examination. <b>Section A:</b> Pupils must answer a 25 mark essay question. <b>Section B:</b> Pupils must answer a 25 mark essay question from a choice of two.

## How you will learn

Pupils will acquire knowledge, understanding and a range of skills through analysis, case study investigation, using ICT, presentational work, discussion and group work using a number of different resources. History uses a variety of teaching styles and interactive lessons to access all pupils' learning styles.

# PHYSICS International A Level



## Prerequisites

Pupils will need to have IGCSE in Physics A\*- B or its equivalent.

## Reasons for studying Physics (Edexcel XPHo1, YPHo1)

As well as a focus on physics this course also features a large section on How Science Works. The IAL Physics syllabus enables pupils to better understand the world in which they live, and take an informed interest in science, scientific developments and how science works. Pupils learn about the basic concepts in physics through a mix of theoretical and practical studies. Pupils also develop an understanding of the scientific skills essential for further study at university level but are also, useful in everyday life.

## What you will be studying

AS Units (Lower Sixth)	A2 Units (Upper Sixth)
<p><i>IAS Unit 1: Mechanics and Materials (WPHo1)</i></p> <p><b>Topic 1 Mechanics</b></p> <ul style="list-style-type: none"><li>• Motion;</li><li>• Forces;</li><li>• Energy and power.</li></ul> <p><b>Topic 2 Materials</b></p> <ul style="list-style-type: none"><li>• Fluid flow;</li><li>• Strength of materials.</li></ul>	<p><i>IA2 Unit 4: Further mechanics Fields and particles (WPHo4)</i></p> <p><b>Topic 1 Further mechanics</b></p> <ul style="list-style-type: none"><li>• Momentum;</li><li>• Circular motion.</li></ul> <p><b>Topic 2 Electric and magnetic fields</b></p> <ul style="list-style-type: none"><li>• Electric fields;</li><li>• Capacitors;</li><li>• Electromagnetic effects.</li></ul> <p><b>Topic 3 Particle physics</b></p> <ul style="list-style-type: none"><li>• Matter;</li><li>• Particle accelerators;</li><li>• Particle interactions.</li></ul>
<p><i>IAS Unit 2: Waves and Electricity (WPHo2)</i></p> <p><b>Topic 3 Waves</b></p> <ul style="list-style-type: none"><li>• Types and statistics of waves;</li><li>• Behaviour of waves;</li><li>• Light and sound.</li></ul> <p><b>Topic 4 Electricity</b></p> <ul style="list-style-type: none"><li>• Electrical quantities;</li><li>• Electrical circuits.</li></ul>	<p><i>IA2 Unit 5: Thermodynamics, Radiation, Oscillation and Cosmology (WPHo5)</i></p> <p><b>Topic 4 Thermal energy</b></p> <ul style="list-style-type: none"><li>• Heat and temperature;</li><li>• Kinetic theory of gases.</li></ul> <p><b>Topic 5 Nuclear decay</b></p> <ul style="list-style-type: none"><li>• Nuclear radiation and decay;</li><li>• Nuclear fission and fusion.</li></ul> <p><b>Topic 6 Oscillations</b></p> <ul style="list-style-type: none"><li>• Simple harmonic motion;</li><li>• Oscillations.</li></ul> <p><b>Topic 7 Astrophysics and cosmology</b></p> <ul style="list-style-type: none"><li>• Gravitational fields;</li><li>• Stars;</li><li>• Hubble's law.</li></ul>
<p><i>IAS Unit 3: Exploring Physics (WPHo3)</i></p> <p>This unit will assess your knowledge and understanding of experimental procedures and techniques that were developed in Units 1 and 2.</p>	<p><i>IA2 Unit 6: Experimental Physics (WPHo6)</i></p> <p>You are expected to further develop the experimental skills and the knowledge and understanding of experimental techniques acquired in Units 1 and 2. It will also assess your knowledge and understanding of the experimental procedures and techniques that were developed in Units 4 and 5.</p>



## How you will be assessed

AS Units – Three exams are taken at the end of Lower Sixth	A2 Units – Three exams are taken at the end of Upper Sixth
<p><i>IAS Unit 1: Mechanics and Materials (WPHo1)</i></p> <p>This unit is assessed by means of a written examination paper of 1 hour 30 minutes duration, which will consist of objective, short-answer and long-answer questions. (40% of AS grade, 20% of IAL grade).</p>	<p><i>IA2 Unit 4: Further mechanics Fields and particles (WPHo4)</i></p> <p>This unit is assessed by means of a written examination paper of 1 hour 35 minutes duration, which will consist of objective, short-answer and long-answer questions. (20% of IAL grade).</p>
<p><i>IAS Unit 2: Waves and Electricity (WPHo2)</i></p> <p>This unit is assessed by means of a written examination paper of 1 hour 30 minutes duration, which will consist of objective, short-answer and long-answer questions. (40% of AS grade, 20% of IAL grade).</p>	<p><i>IA2 Unit 5: Thermodynamics, Radiation, Oscillation and Cosmology (WPHo5)</i></p> <p>This unit is assessed by means of a written examination paper of 1 hour 35 minutes duration, which will consist of objective, short-answer and long-answer questions. (20% of IAL grade).</p>
<p><i>IAS Unit 3: Exploring Physics (WPHo3)</i></p> <p>This unit is assessed by means of a written examination paper of 1 hour 20 minutes duration, which will consist of objective, short-answer and long-answer questions. (20% of AS grade, 10% of IAL grade).</p>	<p><i>IA2 Unit 6: Experimental Physics (WPHo6)</i></p> <p>This unit is assessed by means of a written examination paper of 1 hour 20 minutes duration, which will consist of short-answer and long-answer questions. (10% of IAL grade). The results from the AS and A2 exams combine to give an IAL overall grade (the weighting is 50:50) grades are A* to E.</p>



# PSYCHOLOGY International A Level



## Prerequisites

Pupils will have gained 5 C grades including English Language to qualify for the course as well as meeting the school's requirement to enter the Sixth Form.

## Reasons for studying Psychology (CIE A Level)

Psychology investigates why people behave as they do using scientific method. It is the most chosen degree level subject in the UK and in America. Psychology is studied by so many because of its wide range of significant applications. Psychology is well known for helping people cope with the anxiety, stress and pressures of living and in creating a state of wellbeing. It is also used to help the physically ill and the mentally ill.

In addition to health and well-being the study of Psychology is used in all the following and more: designing and selling a product, persuading people to watch a certain TV show, managing and motivating employees, persuading people to vote in a certain way, public speaking, negotiating with a terrorist, holding a relationship together, bringing up children, teaching effectively, learning effectively, catching criminals, creation and innovation, designing buildings and cities, being successful in sport.

Knowledge of Psychology is relevant to any field involving human behaviour.

## What you will be studying

### Papers 1 & 2

Four approaches are considered.

1. Biological psychology – explaining behaviour through biological processes.
2. Cognitive psychology – explaining behaviour through patterns of thought.
3. Social psychology – explaining behaviour through influence of other people.
4. Learning psychology – explaining behaviour by environmental conditioning.

### Papers 3 & 4

Two from the following four options must be taken.

5. Abnormal psychology (e.g. depression, anxiety disorders, addictions, schizophrenia).
6. Health psychology (e.g. stress, pain, doctor-patient interactions, non-adherence to medical instruction, health promotion).
7. Organisational psychology (e.g. motivation to work, leadership and management, group behaviour, working conditions, job satisfaction).
8. Consumer behaviour (e.g. influence of physical and psychological environments, consumer decision-making, advertising).

# RUSSIAN A Level



## Why choose the Edexcel Level 3 Advanced GCE in Russian?

We believe languages should appeal to all pupils. The new Edexcel Level 3 Advanced GCE in Russian has been developed to inspire all pupils to have an appreciation of the language, literature, film and culture of the Russian-speaking world.

New and motivating course of study that will enable pupils to develop advanced level knowledge and understanding of the Russian language, the culture of Russia and other Russian-speaking countries and communities, as well as practical and valuable language and transferable study skills. This specification will help to prepare pupils for higher education and enhance their employability profile.

**Inspiring and engaging themes** – our qualification features familiar and popular themes, as well as some new content that provides clear links to some of the most fundamental and interesting aspects of the culture of Russian-speaking countries and communities.

**Popular literary texts and films** – we offer a choice of literary texts and films that includes contemporary and more classical titles, together with authentic source materials from Russia.

**Rewards creativity** – assessments place an emphasis on spontaneity and grammar, as well as providing plenty of opportunities for pupils to apply their knowledge independently and creatively. Clear mark schemes encourage pupils to develop ideas, use language to persuade and analyse, and give critical responses in their writing and speaking.

**Clear and coherent structure** – our qualification has a straightforward structure with four engaging themes: *Развитие российского общества; Политическая и художественная культура в русскоязычном мире; Москва или Санкт-Петербург – Изменения в жизни большого российского города; Последние годы СССР – М. С. Горбачёв (1985-1991).*

The four themes are studied alongside two works (either two literary texts or one literary text and one film) assessed through two externally-examined papers (Papers 1 and 2) and one teacher-examiner conducted speaking assessment (Paper 3).

**Manageable content** – the content is manageable and appropriate.

**Continuous progression** – content builds on the understanding developed in Sixth Form and gives pupils the opportunity to learn and apply important transferable skills in critical thinking and analysis, enabling them to make a smooth transition to the next level of study.

AS and A Level qualifications that are co-teachable – co-teaching AS and A Level provides flexibility for you and your pupils. Centres co-teaching AS and A Level can deliver Theme 1 and Theme 2 and one literary text or film in the first year, allowing pupils to be entered for the AS Level at the end of the year.



## Content and assessment overview

The Pearson Edexcel Level 3 Advanced GCE in Russian consists of two externally-examined papers assessing listening, reading and writing and a non-examined speaking assessment. The speaking assessment is externally set and conducted by a teacher-examiner. All assessments are marked by Pearson.

Pupils must complete their speaking assessment during a timetabled assessment window in April/May and all other assessments in May/June in any single year.

It is usual for teachers to conduct the speaking assessment with their pupils in April/May.



## Paper 1: Listening, reading and translation (\*Paper code: 9RU0/01)

### Written examination

- 2 hours.
- 40% of the qualification.
- 80 marks.

### Content overview

This paper draws on vocabulary and structures across all four themes listed on pages 8–9. Themes are based on the society and culture of the language being studied.

### Assessment overview

Pupils are not permitted access to a dictionary during the examination. The examination is made up of:

#### Section A: Listening (30 marks)

- A listening assessment based on a recording that features male and female Russian speakers. Pupils will respond to comprehension questions based on a variety of contexts and sources.
- The listening audio files for the sample assessment materials are available on the Pearson Edexcel website.

#### Section B: Reading (30 marks)

- A reading assessment based on a variety of text types and genres where pupils must respond to comprehension questions.

#### Section C: Translation into English (20 marks)

- An unseen passage to be translated from Russian to English.



## **Paper 2: Written response to works and translation** **(\*Paper code: 9RUo/02)**

### **Written examination**

- 2 hours and 40 minutes.
- 30% of the qualification.
- 120 marks.

### **Content overview**

This paper draws on the study of two discrete Russian works: either two literary texts or one literary text and one film. The works must be taken from the list provided in Appendix 2: Prescribed literary texts and films. The literary texts listed include a range of novels, plays and a series of short stories. All of the films are feature length.

### **Assessment overview**

This paper includes a translation exercise and two essays on either two literary texts or one literary text and one film (pupils must not answer questions on two films).

Pupils are not permitted access to a dictionary or any documentation relating to the works during the examination.

### **Section A: Translation (20 marks)**

- Pupils translate an unseen passage from English into Russian.

### **Section B: Written response to works (literary texts) (50 marks)**

- Pupils must write an extended response on either one or two of the literary texts listed in Appendix 2: Prescribed literary texts and films.
- Pupils select one question from a choice of two for each of their chosen literary text(s). If a pupil answers questions on two literary texts then they do not complete Section C.

### **Section C: Written response to works (films) (50 marks)**

- Pupils who answer only one question from a literary text in Section B must write an extended response on one of the films listed in Appendix 2: Prescribed literary texts and films.
- Pupils select one question from a choice of two for their chosen film.

### **Paper 3: Speaking (\*Paper code: 9RUo/03)**

- Internally conducted and externally assessed.
- Total assessment time: between 21 and 23 minutes, which includes a single period of 5 minutes' formal preparation time.
- 30% of the qualification.
- 72 marks.

#### **Content overview**

Task 1 draws on vocabulary and structures across all four themes (listed on pages 8–9).

Task 2 is based on independent research selected and carried out by the pupil.

The research may be based on one of the themes or on the pupil's own subject of interest related to Russian-speaking society and culture.

Pupils will be assessed on their ability to use a range of language accurately, communicate and interact effectively, summarise and analyse findings from written sources relating to their research subject, and show knowledge and understanding about Russian-speaking culture and society.

#### **Assessment overview**

Pupils complete two tasks. Task 1 is worth 30 marks and Task 2 is worth 42 marks.

#### **Task 1 (discussion on a theme)**

- Pupils discuss one theme from the specification based on a stimulus containing two different statements.

#### **Task 2, Part 1 (*independent research presentation*)**

- Pupils present a summary of at least two of the written sources they have used for their research and give a personal response to what they have read.

#### **Task 2, Part 2 (*discussion on independent research*)**

- Pupils answer questions on their presentation and then have a wider discussion on their research.



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