

# SIXTH FORM SUBJECT CHOICES

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# TABLE OF CONTENTS

Contents.....	03
Introduction .....	04
Sixth Form Subject Choices.....	05
Biology.....	06
Business Studies.....	07
Chemistry .....	08
Computer Science.....	09
Design Technology.....	10
Drama.....	11
Economics.....	12
English Language.....	13
English Literature .....	14
Fashion and Textiles .....	15
Fine Art .....	16
French .....	17
Further Mathematics .....	18
Geography.....	19
German.....	20
History.....	21
ICT (Information and Communication Technology).....	22
Mathematics.....	23
Music .....	24
Physical Education .....	25
Physics.....	26
Psychology .....	27
Spanish.....	28



# INTRODUCTION

Thank you for taking the time to consider our Sixth Form Course options. I hope you find the information in this booklet helpful in order for you to make the best decisions about which courses you would like to study at Amity International School Sixth Form. Please do talk to your teachers about which subjects you would like to take as they have in-depth knowledge about the courses and will be able to answer any questions related to the course.

This booklet covers the different subjects and courses we have available. Entry into Sixth Form is conditional and therefore dependent upon pupils obtaining the (I)GCSE grade requirement for that individual subject and the general requirements for A Level courses.

If you already have a University course in mind, then do check degree course requirements before making your Sixth Form subject choices.

On the following page, there is a form for you to fill in with a list of your choices. We are not providing options blocks as we want to ensure our pupils have the freedom and flexibility to make these important choices without restrictions.

# SIXTH FORM SUBJECT CHOICES

To complete your Sixth Form subject choices, please choose ONE pathway and list your subject choices in order of preference.

A Level choices	
1	
2	
3	
4	
5	
6	

\*Most pupils will study 3 A Levels.





# BIOLOGY

**Exam Board:** Oxford International AQA

**Subject Code:** 9610

## About the Course

This qualification is designed to harness pupils' interest in the world of living things. The four units each take an overarching topic such as diversity or disease. These topics allow pupils to see links between concepts to bring the subject to life. Pupils must carry out 10 required practical activities in the course. The investigations in this specification include enzymes and photosynthesis as well as using equipment such as microscopes and potometers. Examination questions will be asked on the practicals, but there is no coursework or practical examination.



## Course Content

Unit 1 – The diversity of living organism (AS)

Unit 2 – Biological systems and disease (AS)

Unit 3 – Populations and genes (A2)

Unit 4 – Control (A2)

Unit 5 – Synoptic paper (A2)

## Assessment

AS – Unit 1 – 1hour 30mins - 75marks 50% of AS and 20% of the A-level

AS – Unit 2 – 1hour 30mins - 75marks 50% of AS and 20% of the A-level

A2 – Unit 3 – 1hour 30mins - 75marks 20% of the International A-level

A2 – Unit 4 – 1hour 30mins - 75marks 20% of the International A-level

A2 – Unit 5 – 1hour 30mins - 75marks 20% of the International A-level

## Future Careers

Biochemist, Botanist, Forensic Scientist, Nursing, Doctor, Pharmacist, Farming, Ecology, Landscaping, Personal trainer, Professional sportsperson, Physiotherapist, Biological engineer, Environmental engineer, Biomedical engineer, Crime scene investigator, Firefighter, Ambulatory staff, Dentist



# BUSINESS STUDIES

**Exam Board:** Pearson Edexcel

**Subject Code:** 9BS0

## About the Course

Business Studies has become immensely popular today and attracts pupils with all varieties of backgrounds and aims. A very large proportion of pupils go on to universities and colleges to study Business Studies and related degree courses - by far the biggest single subject area within higher education. Advanced Level enables pupils to develop a strong foundation for further management studies and enable them to seek various career prospects.

## Course Content

Theme 1: Marketing and People

Theme 2: Managing business activities

Theme 3: Business Decisions and Strategy

Theme 4: Global Business

## Assessment

Paper 1: Marketing, people and global businesses = 35%

Paper 2: Business Activities, decision and Strategy = 35%

Paper 3: Investigating Business in a competitive environment = 30%

## Future Careers

This A-level will give pupils the skills and knowledge to progress to higher education, and eventually work for a corporation, or maybe a management consultancy. All businesses (and other organisations like charities and hospitals) need sound business skills behind them. Pupils who take Business Studies often also study Accounting, Computing, Economics, Modern Languages, or Mathematics but pupils committed to the Arts or Sciences could also consider taking Business Studies in this cost-centred world.





# CHEMISTRY

**Exam Board:** Oxford AQA

**Subject Code:** 9620

## About the Course

Studying A Level Chemistry provides a deeper insight into the physical universe, covering various aspects of our lives from bodily functions within us to the atmosphere around us as it often bridges Biological and Physical phenomena. In addition, practicals are at the heart of this course, preparing pupils who wish to pursue Science further in Higher Education and in their future careers.

## Course Content and Assessment

The A level course is split into 3 parts:



### Physical Chemistry

Includes Atomic structure; Amount of substance; Bonding; Energetics; Kinetics; Chemical equilibria; Le Chatelier's principle and K<sub>c</sub>; Oxidation, reduction and redox equations



### Organic

Includes Introduction to organic chemistry; Alkanes; Halogenoalkanes; Alkenes; Alcohols; Organic analysis



### Inorganic Chemistry

Includes Periodicity; Group 2, the alkaline earth metals; Group 7(17), the halogens; Properties of Period 3 elements and their oxides

## Assessment

Unit 1 – Inorganic Chemistry and Physical Chemistry – 1hr 30mins – 70 marks

Unit 2 – Organic Chemistry and Physical Chemistry – 1hr 30mins – 70 marks

## Future Careers

Academic researcher, Analytical chemist, Biotechnologist, Chemical engineer, Clinical scientist, biochemistry, Forensic scientist, Nanotechnologist, Pharmacologist, Research scientist (physical sciences), Toxicologist, Civil service fast streamer, Environmental consultant, Higher education lecturer, Management consultant and Nuclear engineer.





# COMPUTER SCIENCE

**Exam Board:** Cambridge

**Subject Code:** 9618

## About the Course

Computer Science is the study of the foundational principles and practices of computation and computational thinking and their application in the design and development of computer systems. This syllabus aims to encourage the development of computational thinking, that is thinking about what can be computed and how by the use of abstraction and decomposition. It includes consideration of the data required. Learning computational thinking involves learning to program, by writing computer code, because this is the means by which computational thinking is expressed.

## Course Content

Year 12	Year 13
<ol style="list-style-type: none"><li>1. Information representation</li><li>2. Communication</li><li>3. Hardware</li><li>4. Processor fundamentals</li><li>5. System software</li><li>6. Security, privacy and data integrity</li><li>7. Ethics and ownership</li><li>8. Databases</li><li>9. Algorithm design and problem-solving</li><li>10. Data types and structure</li><li>11. Programming</li><li>12. Software development</li></ol>	<ol style="list-style-type: none"><li>13. Data representation</li><li>14. Communications and internet technologies</li><li>15. Hardware and virtual machines</li><li>16. System software</li><li>17. Security</li><li>18. Artificial intelligence (AI)</li><li>19. Computational thinking and problem solving</li><li>20. Further programming</li></ol>

## Assessment

Paper 1 - Theory fundamentals, 25% - 1 hour 30 minutes

Paper 2 – Fundamental problem solving and programming skills, 25% - 2 hours

Paper 3 Advance Theory, 25% - 1 hour 30 minutes

Paper 4 – Practical, 25% - 2 hours 30 minutes

## Future Careers

Every industry uses computers so naturally Computer Scientists can work in any. Problems in science, engineering, health care, and so many other areas can be solved by computers. The most important aspect of Computer Science is problem solving, an essential skill for life.



# DESIGN & TECHNOLOGY

**Exam Board:** Pearson Edexcel

**Subject Code:** 9DT0

## About the Course

Product Design equips students with design skills for the future - Students will be able to recognise design needs and develop an understanding of how current global issues, including integrating technology, impacts on today's world. It encourages creativity and innovation - 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/end user. All aspects of Design and Technology will be with taught with the emphasis being on Graphic Products. Key skills and processes will include-:

CAD (Adobe Photoshop, Solidworks, Techsoft)

CAM (laser cutter, 3D printer, laser image transfer)

Printing processes, plastic forming, metal forming and woods

Technical drawing (isometric drawing, planometric, orthographic, perspective)

Industrial practices.

During year 12 mini projects (mock component 2) will be used to gain and further develop students key skills and understanding

## Course Content

### Unit 1

Topics include: materials; performance characteristics of materials; processes and techniques; digital technologies; factors influencing the development of products; effects of technological developments; potential hazards and risk assessment; features of manufacturing industries; designing for maintenance and the cleaner environment; current legislation; information handling; modelling and forward planning; further processes and techniques.

### Unit 2

A coursework project, chosen by the student. The project will be researched, designed, modelled, planned, made and thoroughly evaluated. A final prototype will be produced.



## Assessment

Unit 1 Principles of DT (2.5 hrs 120 marks)

Examination 50%

Unit 2 Design and Make Project (120 marks)

Coursework 50%

## Future Careers

Graphic design, industrial design, CAD, civil engineering, interior design, printing, architectural studies, product design, packaging, media & photography, advertising, art foundation.





# DRAMA

**Exam Board:** Cambridge

**Subject Code:** 9842

## About the Course

Drama A level has a practical focus, which aims to enable students to develop interest in, and lasting enjoyment of, drama and theatre as a unique means of human communication and expression. Students will appreciate the aesthetic power of drama and theatre, and expand their ability to stage imaginative interpretations of existing repertoire and devise creative practical work of their own. Students will develop their practical skills in drama, and understand the contribution of

actors, designers and directors in a production situation. Students are introduced to a wide range of theatrical styles and contexts as they explore plays practically, devise and work on performances. Students will develop as a: performer, designer (lighting, sound, set, costume, puppets) Director or a combination of these. Whichever option they choose, students will gain many invaluable skills, both theatrical and transferable, to expand their horizons.

## Course Content

The subject content for A-level Drama is divided into four components: Written exam, and coursework; Practical Drama, Theatre in context and Theatre making.

## Assessment

**Component 1** - Written exam, 2 hours, 60 marks, 25% of the A Level

**Component 2** - Practical drama - Coursework 60 marks, 25% of the A Level

There are two compulsory parts: devising and performing.

1) Candidates work in a group to devise and perform a play based on the stimulus prescribed in the syllabus.

2) Candidates work in a group to prepare and perform an extract from a published play of their own choice.

**Component 3** – Theatre-making and performing - Coursework 60 marks, 25% of the A level

There are two compulsory parts: devising and performing. Candidates work in a group to devise and perform a play inspired by one of the theatre practitioners, traditions or styles prescribed in the syllabus. There are two parts to the devising coursework:

**Component 4** - Theatre in context, Coursework 60 marks, 25% of the A Level

Candidates explore performance texts, a theatre genre, a theatre practitioner's work or a performance style. There is one part to the research coursework: – 2500 word research essay.

## Future Careers

Academic researcher, Analytical chemist, Biotechnologist, Chemical engineer, Clinical scientist, biochemistry, Forensic scientist, Nanotechnologist, Pharmacologist, Research scientist (physical sciences), Toxicologist, Civil service fast streamer, Environmental consultant, Higher education lecturer, Management consultant and Nuclear engineer.



# ECONOMICS

**Exam Board:** Cambridge

**Subject Code:** 9708

## About the Course

Through the Cambridge International AS and A Level Economics syllabus, learners study how to explain and analyse economic issues and arguments, evaluate economic information, and organise, present and communicate ideas and judgements clearly. The syllabus covers a range of basic economic ideas, including an introduction to the price system and government intervention, international trade and exchange rates, the measurement of employment and inflation, and the causes and consequences of inflation. Learners also study the price system, the theory of the firm, market failure, macroeconomic theory and policy, and economic growth and development.

## Course Content

1. Basic economic ideas and resource allocation
2. The price system and the micro economy
3. Government microeconomic intervention
4. The macro economy
5. Government macro intervention

## Assessment

Paper 1 - 20%, Multiple choice - 1 hour

Paper 2 - 30%, Data response and essay - 1 hour 30 minutes

Paper 3 - 15%, Multiple choice - 1 hour 15 minutes

Paper 4 - 35%, Data response and essay - 2 hour 30 minutes

## Future Careers

Completing A Level Economics provides pupils with an appropriate foundation for further study in Economics or related studies. The course provides a launchpad for careers in commerce-related fields such as banking and finance. The course will promote the important skills of decision-making and problem-solving.





# ENGLISH LANGUAGE

**Exam Board:** Pearson Edexcel

**Subject Code:** YEN01

## About the Course

Pupils will acquire the methodology and concepts needed to analyse and study language, exploring data and language in use. The English Language course encourages pupils to engage critically with a variety of linguistic products, developing their skills as both producers and interpreters of language through analysis and writing. As they learn more about the subject, they are encouraged to engage in independent investigations of language in use.

## Course Content

Unit 1: Language: Context and identity

Unit 2: Language in Transition

Unit 3: Crafting Language (writing)

Unit 4: Investigating Language

## Assessment

4 externally assessed examinations:

Paper 1 - 25%, 1 hour 45 minutes

Paper 2 - 25%, 1 hour 45 minutes

Paper 3 - 25%, 2 hours

Paper 4 - 25%, 2 hours

## Future Careers

English Language is highly regarded by universities for its focused analytical practice and its combination of scientific and creative approaches to tasks. Pupils may go on to study English, Linguistics, Psychology, Speech Therapy, Creative Writing, Journalism, Media and Communications, Film, Philosophy, Politics, History, Theatre Studies, and many other courses at degree level.

Careers may include teaching, law, journalism, marketing, diplomacy, politics, communications and any other work requiring a high level of presentational and communicative ability.



ENG





# ENGLISH LITERATURE

**Exam Board:** Pearson Edexcel

**Subject Code:** YET01



## About the Course

Pupils will read a variety of canonical texts and develop critical enquiry skills, essay writing skills and a familiarity with some of the greatest authors in the English language. Different forms are investigated and compared, providing pupils with a thorough grounding in analytical thinking and abstract reasoning. Texts studied are lively and relevant to our everyday lives, and pupils will learn to place popular modern texts in context as they develop a deeper appreciation for the importance and ever-changing traditions of writing in English.

## Course Content

Unit 1: Post-2000 Poetry and Prose – authors studied may include Colm Toibin, Khaled Hosseini, Yann Martel and others.

Unit 2: Drama – authors studied may include Christopher Marlowe, Aphra Benn, Tennessee Williams, Arthur Miller or Samuel Beckett.

Unit 3: Poetry and Prose – authors studied may include Joseph Conrad, Alice Walker, Kazuo Ishiguro, Emily Bronte and others.

Unit 4: Shakespeare and Pre-1900 Poetry – a

major work by William Shakespeare will be studied in relation to a collection of works from either the Metaphysical, Victorian or Romantic poetic tradition.

## Assessment

4 externally assessed examinations:

Paper 1 – 25%, 2 hours

Paper 2 – 25%, 2 hours

Paper 3 – 25%, 2 hours

Paper 4 – 25%, 2 hours

## Future Careers

English Literature is a facilitating subject that is highly regarded by universities for its level of academic rigour. Pupils may go on to study English, Linguistics, Creative Writing, Law, Journalism, Media and Communications, Film, Philosophy, Politics, History, Theatre Studies, International Relations and many other courses at degree level.

Careers may include teaching, law, journalism, marketing, diplomacy, politics, communications and any other work requiring a high level of presentational and communicative ability.





# FASHION AND TEXTILES

**Exam Board:** Pearson Edexcel

**Subject Code:** 9TE0

## About the Course

Students will be introduced to a variety of experiences that explore a range of textile media, processes and techniques. They will be made aware of both traditional and new media. Students will explore the use of drawing for different purposes, using a variety of methods and media on a variety of scales. They will explore the potential for the use of colour. They will have the opportunity to use sketchbooks/workbooks/journals to underpin their work where appropriate. Students will explore relevant images, artefacts and resources relating to a range of art, craft and design, from the past and from recent times. This will be integral to the investigating and making processes. Students' responses to these will be shown through practical and critical activities that demonstrate their understanding of different styles, genres and traditions.

## Course Content

Students will be required to work in one or more of the disciplines to communicate their ideas. By working across disciplines, they will extend their understanding of the scope of textile design; by focusing on one discipline,

they will gain a deeper understanding of specific processes within textile design-fashion design, fashion, textiles, costume design, digital textiles, printed and dyed fabric, interior design, constructed textiles, art textiles, installed textiles.

## Assessment

Component 1- Personal Investigation-60%  
Final Qualification

Incorporates three major elements: supporting studies, practical work, and a personal study. Supporting studies and practical work will comprise a portfolio of development work and outcomes based on themes and ideas developed from personal starting points. The personal study will be evidenced through critical written communication showing contextual research and understanding in a minimum 1000 words of continuous prose, which may contain integrated images. The personal study comprises 12% of the total qualification and is marked out of 18.

Component 2- Externally Set Assignment-40% of the total qualification

Incorporates two major elements: preparatory studies and the 15-hour period of sustained focus.

## Future Careers

Fashion Designer, Illustrator, Textile Designer, Fashion Buyer, Fashion Editor, Costume Designer, Milliner, Fashion Retail Manager.



# FINE ART

**Exam Board:** Pearson Edexcel

**Subject Code:** PFA0

## About the Course

Art provides opportunities for pupils to develop their personal practice, enrich their understanding of key concepts and improve their practical skills in a wide range of traditional and contemporary techniques. It allows pupils to explore and build on their interests. The syllabus encourages independent expression and the development of a critical, reflective practice. It is designed to accommodate a wide range of abilities, materials and resources, and allows the different skills to be fully exploited.

## Course Content

Component 1. Title: Personal Investigation

This allows students opportunities to generate and develop ideas, research primary and contextual sources, record practical and written observations, experiment with media and processes, and refine ideas towards producing personal resolved outcomes.

Incorporates three major elements: supporting studies, practical work, and a personal study.

- Supporting studies and practical work will comprise a portfolio of development work and outcomes based on themes and ideas developed from personal starting points.
- The personal study will be evidenced through critical written communication showing contextual research and understanding in a minimum 1000 words of continuous prose, which may contain integrated images.

Component 2. Title: Externally Set Assignment

This component allows students opportunities to generate and develop ideas, research primary and contextual sources, record practical and written observations, experiment with media and processes, and refine ideas towards producing personal resolved outcomes in response to an externally set theme. Incorporates two major elements: preparatory studies and the 15-hour period of sustained focus.

## Assessment

Component 1 Personal Investigation 60% of the total qualification. Marks available: 90.

Component 2 Externally Set Assignment 40% of the total qualification. Marks available: 72.

## Future Careers

Career pathways include: Fine Artist, Art Gallery Curator, Illustrator, Costume Designer, Interior designer, Architect, Fashion Designer, Graphic Designer, Web designer, Animator.





# FRENCH

**Exam Board:** Cambridge

**Subject Code:** 9FR0

## About the Course

An A-Level qualification in French will allow pupils to develop their linguistic skills alongside their understanding of the culture and society of countries where French is spoken. Pupils will study social and technological change alongside highlights of French-speaking artistic culture, including Francophone music and cinema. Pupils will also explore the influence of the past on present-day French-speaking communities. Throughout the course, pupils will learn the language in the context of French-speaking countries and the issues and influences which have shaped them. Pupils will study a film and a play.

## Course Content

Paper 1: Listening, reading and translation (9FR0/01)

Paper 2: Written response to works and translation (9FR0/02)

Paper 3: Speaking (9FR0/03)

Additionally, pupils will study 4 themes which address a range of social issues and trends, as well as aspects of the political and artistic culture of France and French-speaking countries.

Theme 1: Les changements dans la société française

Theme 2: La culture politique et artistique dans les pays francophones

Theme 3: L'immigration et la société multiculturelle française

Theme 4: L'Occupation et la Résistance

## Assessment

Paper 1: Written examination - 2 hours - 40% of the qualification - 80 marks

Paper 2: Written examination - 2 hours & 40 minutes - 30% of the qualification - 120 marks

Paper 3: 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

## Future Careers

Apart from being beneficial at a personal level, an A-Level in Modern Foreign Languages can help with many career paths. For those who want to specialise in languages, there is translation or teaching or the travel and tourism industry. But even as, say, an engineer or designer, being proficient in a language will give pupils broader career options as the A-Level specification fosters a range of transferable skills including communication, critical thinking, research skills and creativity which are valuable to pupils, as an individual, and to society.



# FURTHER MATHEMATICS

**Exam Board:** Pearson Edexcel

**Subject Code:** 9FM0

## About the Course

Further Mathematics is taken along with Mathematics. There are 6 units to complete for Further Mathematics over the 2 years. Compulsory units are FP1 and either FP2 or FP3, optional units will then be Statistic 2, Mechanics 2 or Decision 1.

## Course Content

FP1 – Complex numbers; roots of quadratic equations; numerical solution of equations; coordinate systems; matrix algebra; transformations using matrices; series; proof.

FP2- Inequalities; series; further complex numbers; first order differential equations; second order differential equations; Maclaurin and Taylor series; Polar coordinates.

FP3- Hyperbolic functions; further coordinate systems; differentiation; integration; vectors; further matrix algebra

S2 - The Binomial and Poisson distributions; continuous random variables; continuous distributions; samples; hypothesis tests.

M2-Kinematics of a particle moving in a straight line or plane; centres of mass; work and energy; collisions; statics of rigid bodies.

D1 -Algorithms; algorithms on graphs; algorithms on graphs II; critical path analysis; linear programming.

## Assessment

6 units are externally assessed.

Written examination of 1 hour 30 minutes per unit.

Each unit has 75 marks.

## Future Careers

Actuary, Statistics and Econometrics, Mechanical Engineering, Finance, Medicine, Aerospace engineering and Aviation, Economics, Accounting, Architecture, Computer science and AI, Software engineering

$$i\hbar \frac{\partial \psi}{\partial t} = H_x \psi(x, t)$$

$$rC = \frac{\partial C}{\partial t} + \frac{1}{2} \left( \sigma^2 S^2 \right)$$

$$S(A) +$$



# GEOGRAPHY

**Exam Board:** Cambridge

**Subject Code:** 9696

## About the Course

Pupils undertake a geographical issues evaluation (an alternative to coursework) within their final examinations. At A Level Geography, pupils will be assessed for both human and physical content, as well as decision-making and contemporary geographical issues. All papers include short, data-response style questions, extended essays as well as skill and generic fieldwork questions.

## Course Content

In Geography, we look at the challenges faced by people in an ever-changing world with increased globalisation, a rapidly growing population, greater movement of migrants and refugees, unsustainable pressure on energy, food supply issues, and health concerns. Physical units include river flooding management and hydrology, atmospheric processes, climate change and the impacts of global warming. The course also focuses on fluvial and tectonic processes.

Component	Weighting
<b>Paper 1 - Core Physical Geography 1 hour 30 minutes</b> Section A: Three data response questions (30 marks) Section B: One structured question from a choice of three (30 marks)	25%
<b>Paper 2 - Core Human Geography 1 hour 30 minutes</b> Section A: Three data response questions (30 marks) Section B: One structured question from a choice of three (30 marks)	25%
<b>Paper 3 - Advanced Physical Geography Options 1 hour 30 minutes</b> Candidates answer questions on two of the optional topics. Each topic consists of one structured question (10 marks) and a choice of essay questions (20 marks).	25%
<b>Paper 4 - Advanced Human Geography Options 1 hour 30 minutes</b> Candidates answer questions on two of the optional topics. Each topic consists of one structured question (10 marks) and a choice of essay questions (20 marks).	25%

## Future Careers

Careers include, and are not limited to; digital cartography, commercial surveying, environmental consultancy, planning and development, research, education, astronomy, international aid worker, logistics and distribution manager, marketing, conservation, sustainability consultancy, tourism sector, pilot and risk analysis.





# GERMAN

**Exam Board:** Pearson Edexcel

**Subject Code:** 9GN0

## About the Course

An A-Level qualification in German will allow pupils to develop their linguistic skills alongside their understanding of the culture and society of countries where German is spoken. Pupils will study social and technological change alongside highlights of German-speaking artistic culture, including Germanophone music and cinema. Pupils will also explore the influence of the past on present-day German-speaking communities. Throughout their studies, pupils will learn the language in the context of German-speaking countries and the issues and influences which have shaped them. Pupils will study a film and a play. Assessment tasks will be varied and cover listening, speaking, reading and writing skills. Not only will pupils know more about the mechanics of the language – like grammar and vocabulary – but also about how people live and use language on a day-to-day basis.



## Course Content

**Paper 1:** Listening, reading and translation (9GN0/01)

**Paper 2:** Written response to works and translation (9GN0/02)

**Paper 3:** Speaking (9GN0/03)

Additionally, pupils will study 4 themes which address a range of social issues and trends, as well as aspects of the political and artistic culture of Germany and German-speaking countries.

Theme 1: Gesellschaftliche Entwicklung in Deutschland

Theme 2: Politische und künstlerische Kultur im deutschen Sprachraum

Theme 3: Immigration und die deutsche multikulturelle Gesellschaft

Theme 4: Die Wiedervereinigung Deutschlands

## Assessment

Paper 1: Written examination - 2 hours - 40% of the qualification - 80 marks

Paper 2: Written examination - 2 hours & 40 minutes - 30% of the qualification - 120 marks

Paper 3: 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

## Future Careers

For those who want to specialise in languages, there is translation or teaching or the travel and tourism industry. But even as, say, an engineer or designer, being proficient in a language will give pupils broader career options as the A-Level specification fosters a range of transferable skills including communication, critical thinking, research skills and creativity which are valuable as an individual, and to society.





# **HISTORY**

**Exam Board:** Pearson Edexcel

**Subject Code:** YHI01

## **About the Course**

A qualification in History is highly respected by both universities and employers. History complements many other subjects, and the skills learned in the History classroom are helpful in many other areas. The study of History allows the development of important communication skills, both written and oral. It encourages the collection of evidence and use of own knowledge to form effective arguments, to select and deploy relevant information, and to put forward personal ideas in a coherent and incisive way. The study of historical sources enables pupils to distinguish truth from propaganda and to appreciate the validity of different views.

Edexcel A-Level History consists of four units, studied over 2 years. In Year 12 pupils complete a Depth Study with interpretations (unit 1) and a Breadth Study with source evaluation (unit 2). In year 13 pupils complete a Thematic study (unit 3) and Extract evaluation (unit 4).

Skills taught include evaluating differing historical interpretations, evaluating contrasting sources and applying historical context, debating historical themes and evaluating sources in relation to historical controversies.

## **Course Content**

Unit 1: France in Revolution 1774-1799

Unit 2: South Africa 1948-2014 from Apartheid state to death of Mandela

Unit 3: Civil rights and race relations in the USA, 1877-2009

Unit 4: The world divided: superpower relations 1943-1990

## **Assessment**

Assessment is in the form of 2 hour examinations, where pupils are required to write two essays, apart from the breadth study where assessment consists of two short answer questions plus one essay over 2 hours.

## **Future Careers**

The skills learned through the study of History are applicable to many professions, including law, politics, diplomacy, management, journalism and finance. Many Universities look favorably on the study of History at A-Level as it demonstrates the ability to construct effective arguments and essays, have excellent research skills and be independent thinkers.



**Exam Board:** Pearson Edexcel

**Subject Code:** 9DT0

## About the Course

Information and Communication Technology (ICT) is an applied subject and all candidates will require frequent access to computer and internet facilities to develop their skills. The syllabus aims to give the flexibility to cope with a wide variety of resources and ever-changing technology. The practical sections of this course can be accomplished using any software packages that will allow the candidates to demonstrate all of the skills learnt. Candidates will learn to use particular packages, but they should be encouraged to realise that, with the aid of a manual, they can transfer their skills to other packages.

## Course Content

### Year 12

Data processing and information, Hardware and software, Monitoring and control, Algorithms and flow charts, eSecurity, the digital divide, Expert systems, Spreadsheets, Modelling, Database and file concepts, Sound and video editing.

### Year 13

Data processing and information, Hardware and software, Monitoring and control, Algorithms and flow charts, eSecurity, The digital divide, Expert systems, Spreadsheets, Modelling, Database and file concepts, Sound and video editing, IT in society, New emerging technologies Communications technology, Project management, System life cycle, Mail merge, Graphics creation, Animation , Programming for the web.

## Assessment

**Year 12 AS**, Paper 1 Theory 1 hour 45 minutes – 50%

Paper 2 Practical 2 hours 30 minutes – 50%

Candidates must use the most appropriate software and the most appropriate methods.

**Year 13 A Level**, Paper 1 Theory 1 hour 45 minutes – 25%

Paper 2 Practical 2 hours 30 minutes – 25%

Paper 3 Advanced Theory 1 hour 45 minutes - 25%

Paper 4 Advanced Practical 2 hours 30 minutes – 25%

## Future Careers

With further training or study, pupils can go into careers such as End User Support Technician or IT Support Officer or Technician. This syllabus prepares you for employment and provides a good grounding to go on to a more advanced course for IT Practitioners, an advanced course in ICT or Installation and Networking.





# MATHEMATICS

**Exam Board:** Pearson Edexcel

**Subject Code:** 9MA0



## About the Course

The course has 6 modules which are completed over the 2 years. The course has 4 Pure units and 2 Additional units. In the first year pupils will cover Pure Mathematics 1 and 2 along with Statistics 1. In year 2, the course is Pure Mathematics 3 and 4 with Mechanics 1.

## Course Content

Pure 1 - Algebra and functions; coordinate geometry in the  $(x, y)$ ; trigonometry; differentiation; integration.

Pure 2 - Proof; algebra and functions; coordinate geometry in the  $(x, y)$  plane; sequences and series; exponentials and logarithms; trigonometry; differentiation; integration

Pure 3 - Algebra and functions; trigonometry; exponentials and logarithms; differentiation; integration; numerical methods.

Pure 4 - Proof; algebra and functions; coordinate geometry in the  $(x, y)$  plane; binomial expansion; differentiation; integration; vectors.

Statistics 1 - Mathematical models in probability and statistics; representation and summary of data; probability; correlation and regression; discrete random variables; discrete distributions; the Normal distribution.

Mechanics 1 - Mathematical models in mechanics; vectors in mechanics; kinematics of a particle moving in a straight line; dynamics of a particle moving in a straight line or plane; statics of a particle; moments

## Assessment

6 units are externally assessed.

Written examination of 1 hour 30 minutes per unit.

Each unit has 75 marks.

## Future Careers

Actuary, Statistics and Econometrics, Mechanical Engineering, Finance, Medicine, Aerospace engineering and Aviation, Economics, Accounting, Architecture, Computer science and AI, Software engineering.



# MUSIC

**Exam Board:** Pearson Edexcel

**Subject Code:** 9MU0

## About the Course

This A-level qualification offers pupils the chance to study a wide range of musical genres. The course brings listening, performance and composition to life in new and engaging ways.

## Course Content

The course is divided into 3 main sections; appraising music, performance and composition.

**Component 1: Performing (30%)**

A public performance of one or more pieces, performed as a recital.

Performance can be playing or singing solo, in an ensemble, improvising, or realising music using music technology.

**Component 2: Composing (30%)**

Total of two compositions, one to a brief set by Pearson and one either free composition or also to a brief.

One composition must be from either a list of briefs related to the areas of study, or a free composition, carrying 40 marks for this component. This composition must be at least four minutes in duration.

**Component 3: Appraising (40%)** - written exam, 2 hours 10 minutes

Knowledge and understanding of musical elements, contexts and language.

Application of knowledge through the context of six areas of study, each with two set works, with the exception of Popular Music and Jazz, which has three set works.

The areas of study are: Vocal Music, Instrumental Music, Music for Film, Popular Music and Jazz, Fusions, New Directions.

## Future Careers

If you go on to study for a degree in music, there are many careers related to this that you may wish to consider. These include music producer, music therapist, professional musician, music teacher, sound producer, sound technician, broadcasting, film and video, special effects technician, broadcast engineer, choreographer, events manager, radio broadcast assistant, marketing executive.





# PHYSICAL EDUCATION

**Exam Board:** Pearson Edexcel

**Subject Code:** YEN01

## About the Course

A Level Physical Education builds on the understanding developed at IGCSE level while also supporting pupils choosing to begin their study of PE for the first time. The course develops pupils' theoretical knowledge and understanding of the factors that underpin physical activity and sport and use this knowledge to improve their own and others performances. This qualification encourages pupils to become more competent, confident and expert in their techniques, and apply them across different sports and physical activities.

## Course Content

This qualification expands on the content covered in IGCSE PE and covers a range of topics within four key components. These components are, Scientific Principles of Physical Education, Psychological and Social Principles of Physical Education, Practical Performance and Performance Analysis and Performance Development Programme. Elements of the practical unit can be completed and assessed as a player or as a coach.

## Assessment

This qualification in Physical Education consists of four different components, two of which are externally examined papers and two non-examined assessments. There is a strong emphasis on the theoretical element of the course and the written examination, worth 70% of the overall grade. The practical aspect of the course as a player/performer or coach is worth 30%.

## Future Careers

This course would potentially be the start of embarking into a range of careers which might include; sport scientist, sports rehabilitation, sports analysis, PE teacher, leisure centre management, sports development, sports media and sports marketing, personal trainer and sports coaching.





# | PHYSICS

**Exam Board:** Oxford AQA

**Subject Code:** 9632

## About the Course

This course is ideal for pupils with a strong interest in taking Physics at university or any kind of Engineering course in the future. It is also ideal for any pupil who would love to find out the way things work and are intrigued about the world and universe around them. The course covers traditional Newtonian Physics before delving into more advanced and abstract concepts of Quantum Physics. The practical skills will be assessed through the written examinations.

## Course Content

Unit 1: Mechanics, materials and atoms

Unit 2: Electricity, waves and particles

Unit 3: Fields and their consequences

Unit 4: Energy and Energy resources

Unit 5: Physics in practice

## Assessment

Unit 1: Mechanics, materials and atoms (20% A level)

Written examination: 2hr paper

Unit 2: Electricity, waves and particles (20% A level)

Written examination: 2hr paper

Unit 3: Fields and their consequences (20% A level)

Written examination: 2hr paper

Unit 4: Energy and Energy resources (20% A level)

Written examination: 2hr paper

Unit 5: Physics in practice (20% A level)

Written examination: 2hr paper

## Future Careers

Theoretical physicist, games designer, nuclear physicist, astronomer, civil engineer, mechanical engineer, electrical engineer, software engineer, actuarial science, finance, systems analyst, architect.





# PSYCHOLOGY

**Exam Board:** Oxford AQA

**Subject Code:** PS0

## About the Course

This course offers an introduction to a number of areas to Psychology. Students will learn the fundamental topics in Psychology and develop a range of key skills needed to be successful at Higher Education and to employers. Throughout the course students will develop their critical thinking and analysis, interpretation, communication, written language and independent study skill and much more. This course is suitable to those who have an interest in human behaviour and want to have discussions about research, theories and the issues and debates involved in psychological topics.



## Course Content

Psychology is a science and therefore students will learn how psychology experiments are designed, conducted and interpreted. In Year 13 students will further learn a number of different statistical tests to analyse their data more accurately. They will also look at the human bodily functions such as the role of the Endocrine system, Central Nervous System and areas of the brain. Students are expected to have a sound understanding of Mathematics and Biology concepts.

Students will be exploring different explanations of human behaviour to understand how our mind works, which influences our behaviour. Students will be looking at a large number of research studies, case studies and theories to understand human behavior and explain psychological concepts to real life. Students will further need to evaluate psychological research and theories and the implications of such findings. Some topic areas are Memory, Social Influence, Biopsychology, Schizophrenia, Sleep and the workplace.

## Assessment

Paper 1: Introductory Topics in Psychology

Paper 2: Biopsychology, Development and Research Methods 1

Paper 3: Advances topics and Research Methods 2

Paper 4: Approaches and Application

## Future Careers

Clinical Psychology, Counsellor, Therapist, Educational Psychologist, Forensic Psychologist, Sports and Exercise Psychologist, Wellbeing Practitioner, Teacher, Health Psychologist, Banking, Finance, Life Coach, Marketing, Play therapist, HR, Social Care Worker, Sports Coach, Border Force Officer, Prison Officer, Police Force, Researcher, Youth Worker and much more.





# SPANISH

**Exam Board:** Pearson Edexcel

**Subject Code:** 9SP0

## About the Course

An A-Level qualification in Spanish will allow pupils to develop their linguistic skills alongside their understanding of the culture and society of countries where Spanish is spoken. Pupils will study social and technological change alongside highlights of Spanish-speaking artistic culture, including Hispanophone music and cinema. Pupils will also explore the influence of the past on present-day Spanish-speaking communities. Throughout their studies, pupils will learn the language in the context of Spanish-speaking countries and the issues and influences which have shaped them. Pupils will study a film and a play.

## Course Content

Paper 1: Listening, reading and translation (9SP0/01)

Paper 2: Written response to works and translation (9SP0/02)

Paper 3: Speaking (9SP0/03)

Additionally, pupils will study 4 themes which address a range of social issues and trends, as well as aspects of the political and artistic culture of Spain and Spanish-speaking countries.

Theme 1: La evolución de la sociedad española

Theme 2: La cultura política y artística en el mundo hispanohablante

Theme 3: La inmigración y la sociedad multicultural española

Theme 4: La dictadura franquista y la transición a la democracia

## Assessment

Paper 1: Written examination - 2 hours - 40% of the qualification - 80 marks

Paper 2: Written examination - 2 hours & 40 minutes - 30% of the qualification - 120 marks

Paper 3: 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

## Future Careers

Apart from being beneficial on a personal level, an A-Level in Modern Foreign Languages can help with many career paths. For those who want to specialise in language, there is translation or teaching or working in the travel and tourism industry. But even as, say, an engineer or designer, being proficient in a language will give pupils broader career options as the A-Level specification fosters a range of transferable skills including communication, critical thinking, research skills and creativity which are valuable as an individual, and to society.









**For more information, contact**  
+971 2503 9000 | [registrar@amityabudhabi.ae](mailto:registrar@amityabudhabi.ae) | [www.amityabudhabi.com](http://www.amityabudhabi.com)

