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AT LSI INDEPENDENT SIXTH FORM COLLEGE, WE ARE COMMITTED TO ENSURING EACH AND EVERY STUDENT REACHES THEIR POTENTIAL. OUR SMALL CLASS SIZES, CLOSE ACADEMIC SUPERVISION AND EMPHASIS ON PASTORAL CARE ENSURE WE FOCUS ON STUDENTS AS INDIVIDUALS. WE BELIEVE THAT THE PATH TO ACADEMIC AND PERSONAL SUCCESS VARIES FROM STUDENT TO STUDENT, SO OUR PROGRAMME PROVIDES THE FLEXIBILITY NEEDED TO WORK WITH ALL OF OUR STUDENTS, ADAPTING TO DIFFERENT SKILL SETS, NEEDS AND GOALS.



Biology

BIOLOGY INVOLVES THE STUDY OF A WIDE RANGE OF PHYSICAL PHENOMENA, FROM MOLECULAR PROCESSES THROUGH TO ECOSYSTEMS; MICRO-ORGANISMS TO MAMMALS.

Overview

A level Biology is available as a one or two year course, depending on prior learning. The programme is taught by a combination of theoretical seminars and practical laboratory work. Our teachers use interactive materials to engage students with current theory and research, covering a wide range of exciting topics.

Board

OCR A

Course Structure

Teaching begins in September 2016. In the first year you will cover the following topics:

- Development of Practical Skills in Biology
- Foundations in Biology
- Exchange and Transport
- Biodiversity, Evolution and Disease

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following topics:

- Communication, Homeostasis and Energy
- Genetics, Evolution and Ecosystems

Biology One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year. The stand-alone AS papers would not be sat.

Exam Structure

AS Exam Format

Paper 1	Paper 2
Breadth in Biology <i>1 hour and 30 minutes</i>	Depth in Biology <i>1 hour and 30 minutes</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3
Biological Processes <i>2 hours and 15 minutes</i>	Biological Diversity <i>2 hours and 15 minutes</i>	Unified Biology <i>1 hour and 30 minutes</i>

In addition, students must complete a minimum of 12 practical activities to demonstrate practical competence, which are separately assessed.

Programme Requirements

Students need at least grade C at GCSE Biology, Dual Award Science, or equivalent.

Related Further Study and Careers

While biology is often chosen alongside at least one other science subject or mathematics, it can accompany a wide range of other disciplines. If it is chosen alongside other sciences, it prepares students for degree courses such as Biological Sciences, Medicine, Dentistry, Veterinary Science, Ophthalmology and sciences in general. It is seen as a facilitating subject and biology graduates can progress on to many fields other than the sciences.

Business

A LEVEL BUSINESS DEVELOPS KNOWLEDGE OF CURRENT BUSINESS MODELS, THEORIES AND TECHNIQUES TO SUPPORT THE ANALYSIS OF POTENTIAL BUSINESS ISSUES AND SITUATIONS.

Overview

Topics covered include business ethics, globalisation, management and leadership, feasibility and risk assessment and digital technology. During the course students develop key skills in critical thinking, informed decision making and data analysis. Course content will include a series of case studies of real life business situations. A level Business requires 1 to 2 years of study, 1 year for the AS level.

Board

AQA

Course Structure

Teaching begins in September 2016. In the first year you will cover the following six main topics:

- What is Business?
- Managers, Leadership and Decision Making
- Decision Making to Improve Market Performance
- Decision Making to Improve Operational Performance
- Decision Making to Improve Financial Performance
- Decision Making to Improve Human Resource Potential

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following topics:

- Analysing the Strategic Position of a Business
- Choosing Strategic Direction
- Strategic Methods
- Managing Strategic Change

Business One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year. The stand-alone AS papers would not be sat.

Exam Structure

AS Exam Format

Paper 1	Paper 2
Business 1 <i>1 hour and 30 minutes</i>	Business 2 <i>1 hour and 30 minutes</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3
Business 1 <i>2 hours</i>	Business 2 <i>2 hours</i>	Business 3 <i>2 hours</i>

Programme Requirements

Students do not need prior knowledge of business studies, but they need to demonstrate an interest in the subject and a good level of English.

Related Further Study and Careers

Business is often studied by students wishing to study business or management at university. It can also be useful for students who are already considering a career in business beyond their degree courses.

Chemistry

CHEMISTRY IS THE STUDY OF THE BASIC ELEMENTS AND THEIR COMPOUNDS THAT MAKE UP THE MATERIAL OF OUR WORLD.

Overview

Understanding the properties of the basic elements, developing drugs to battle diseases or developing new technologies to make better use of our natural resources are all applications of this critical subject. Through a combination of theoretical seminars and practical laboratory work, the A level and AS level programmes provide an in-depth look into the current principles and understanding of chemistry, as well as an introduction into the recent areas of research and development shaping our world today.

Board

OCR A

Course Structure

Teaching begins in September 2016. In the first year you will cover the following four main topics:

- Development of Practical Skills in Chemistry
- Foundations in Chemistry
- Periodic Table and Energy
- Core Organic Chemistry

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following topics:

- Physical Chemistry and Transition Elements
- Organic Chemistry and Analysis

Chemistry One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year. The stand-alone AS papers would not be sat.

Exam Structure

AS Exam Format

Paper 1	Paper 2
Breadth in Chemistry <i>1 hour and 30 minutes</i>	Depth in Chemistry <i>1 hour and 30 minutes</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3
Periodic Table, Elements and Physical Chemistry <i>2 hours and 15 minutes</i>	Synthesis and Analytical Techniques <i>2 hours and 15 minutes</i>	Unified Chemistry <i>1 hour and 30 minutes</i>

In addition, students must complete a minimum of 12 practical activities to demonstrate practical competence, which are separately assessed.

Programme Requirements

Students need at least grade C at GCSE Chemistry, Dual Award Science, or equivalent.

Related Further Study and Careers

While chemistry is often chosen alongside at least one other science subject or mathematics, it can accompany a wide range of other subjects. If it is chosen alongside other sciences, it prepares students for degrees courses such as Chemistry, Medicine, Dentistry, Veterinary Science, Pharmacology, Forensic Science and sciences in general. It is seen as a facilitating subject and chemistry graduates can progress on to many fields other than the sciences.



CHEMISTRY IS SEEN AS A FACILITATING SUBJECT AND CHEMISTRY GRADUATES CAN PROGRESS ON TO MANY FIELDS OTHER THAN THE SCIENCES.

Economics

ECONOMICS IS THE STUDY OF HOW MONETARY RESOURCES ARE ORGANISED AND ALLOCATED.

Overview

From micro-scale local business decisions, through to the macro-scale actions of governments, the influence of economics is profound and far-reaching. For example, the interaction between micro and macro economics can be seen in the 2008 US housing crash and the subsequent crisis in global financial institutions. Economics A level and AS level courses are highly respected by universities because students learn how to evaluate data both mathematically and through written analysis. The programme will focus on key economic concepts that remain relevant to the world today.

Board

Edexcel

Course Structure

Teaching begins in September 2016. In the first year you will cover the following two topics:

- Theme 1: Markets and Market Failure
- Theme 2: UK Economy – Performance and Policies

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following themes:

- Theme 3: Business Behaviour and the Labour Market
- Theme 4: A Global Perspective

Economics One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year. The stand-alone AS papers would not sat.

Exam Structure

AS Exam Format

Paper 1	Paper 2
Theme 1 <i>1 hour and 30 minutes</i>	Theme 2 <i>1 hour and 30 minutes</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3
Themes 1 and 3 <i>2 hours</i>	Themes 2 and 4 <i>2 hours</i>	Synoptic Paper and 4 <i>2 hours</i>

Programme Requirements

Students do not need prior knowledge of economics, but they need to demonstrate a strong interest in the subject. In addition, they need a good level of English and mathematics.

Related Further Study and Careers

Many A level Economics students go on to read economics or a subject combination involving economics, such as management or PPE at university. In addition, finance-related subjects at university also welcome students who have studied A level Economics.

English Language & Literature

AN A LEVEL IN ENGLISH LANGUAGE AND LITERATURE WILL HELP THE LEARNER TO USE ENGLISH APPROPRIATELY, ACCURATELY AND CREATIVELY.

Overview

This discipline explores connections between linguistic and literary methods resulting in a deeper understanding and appreciation of the English language and literature. Through creative engagement with a wide range of texts and genres, students develop key skills in critical reading, interpretation and evaluation, and produce written work across a variety of writing styles, including imaginative, discursive and argumentative. A level English Language and Literature requires 1 to 2 years of study, 1 year for the AS level.

Board

AQA

Course Structure

Teaching begins in September 2016. In the first year you will cover the following topics:

- Imagined Worlds
- Poetic Voices
- Remembered Places
- Re-creative Writing
- Critical Commentary

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following topics:

- Remembered Places
- Imagined Worlds
- Poetic Voices
- Writing about Society
- Critical Commentary
- Dramatic Encounters
- Making Connections

English Language and Literature One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year. The stand-alone AS papers would not be sat.

Exam Structure

AS Exam Format

Paper 1	Paper 2
Views and Voices <i>1 hour and 30 minutes</i>	People and Places <i>1 hour and 30 minutes</i>

A2 Exam Format

Paper 1	Paper 2	Non-examination assessment
Telling Stories <i>3 hours</i>	Exploring Conflict <i>2 hours and 30 minutes</i>	Making Connections <i>2,500-3,000 words</i>

Programme Requirements

Students need at least grade A at GCSE English and GCSE English Literature, or equivalent.

Related Further Study and Careers

English language and literature provides excellent preparation for students wishing to study degrees in English Literature, English Language, Linguistics or communications in general. It is a good companion A level to many other essay-based subjects.

French

THE LANGUAGE OF VOLTAIRE AND JEAN-PAUL SARTRE, FRENCH IS ONE OF THE WORLD'S MOST WIDELY SPOKEN LANGUAGES, WITH 110 MILLION NATIVE SPEAKERS WORLDWIDE AND A FURTHER 200 MILLION PEOPLE WHO SPEAK IT AS A SECOND LANGUAGE.



Overview

French is an official language in 29 countries and has a rich literary tradition spanning many different cultures. The French A level and AS level courses teach students how to communicate to a high level in all language skills; listening, speaking, reading and writing. Studying this beautiful and rich language provides access to some of the most important cultural milestones of global culture.

Board

Edexcel

Course Structure

Teaching begins in September 2016. In the first year you will cover the following themes:

- Theme 1: Les changements dans la société française (Les changements dans les structures familiales; L'éducation; Le monde du travail)
- Theme 2: La culture politique et artistique dans les pays francophones (La musique; Les médias; Les festivals et les traditions)

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A-level. In the second year, the previous topics are covered in greater depth as well as the following themes:

- Theme 3: L'immigration et la société multiculturelle française (L'impact positif de l'immigration sur la société française; Répondre aux défis de l'immigration et l'intégration en France; L'extrême droite)
- Theme 4: L'Occupation et la Résistance (La France occupée; Le régime de Vichy; La Résistance)

French One-Year A level

Students taking the one-year programme will be studying the Edexcel legacy syllabus. The following AS and A level topics will be covered.

AS topics:

- Youth Culture and Concerns
- Lifestyle: Health and Fitness
- The World Around Us
- Education and Employment

A2 topics:

- Customs, Traditions, Beliefs and Religions
- National and International Events
- Literature and Arts

The examination papers are as follows:

- Unit 1: Spoken Expression and Response in French
- Unit 2: Understanding and Written Response in French
- Unit 3: Understanding and Spoken Response in French
- Unit 4: Research, Understanding and Written Response in French

Units 1 and 2 are sat at AS level and Units 3 and 4 at A2 level.

Exam Structure

AS Exam Format

Paper 1	Paper 2	Paper 3
Listening, Reading and Translation <i>1 hour and 45 minutes</i>	Written Response to Works and Translation <i>1 hour and 40 minutes</i>	Speaking, internally conducted and externally moderated <i>27 - 30 minutes, including 15 minutes of formal preparation time</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3
Listening, Reading and Translation <i>2 hours</i>	Written Response to Works and Translation <i>2 hours and 40 minutes</i>	Speaking, internally conducted and externally assessed <i>21 - 23 minutes, including 5 minutes of formal preparation time</i>

Programme Requirements

Students need at least C grade at GCSE French or equivalent. Alternatively, they may be French speakers.

Related Further Study and Careers

All modern foreign languages A levels, including French, are considered as facilitating subjects and, as such, are viewed as invaluable to a student's A level profile. A level French is usually a prerequisite for studying the language or a combined degree with French at university. Being proficient in another language is becoming increasingly important in our globalized world and many employers are seeking graduates who have knowledge of at least one language other than their native tongue.

Geography

GEOGRAPHY IS A STUDY OF BOTH THE PHYSICAL AND HUMAN WORLD AND FOCUSES ON THE EARTH'S LANDSCAPES, PEOPLE, PLACES AND ENVIRONMENTS.

Overview

Geography uniquely combines natural sciences (physical geography) with social sciences (human geography) demonstrating how the physical world impacts on our daily lives. A level Geography requires 1 to 2 years of study depending on a student's previous knowledge of the subject. Course content is delivered through a series of presentations, documentaries, seminars, practical map reading skills sessions and field trips.

Board

CIE

Course Structure

Teaching begins in September 2016. In the first year you will cover the following topics:

The Physical Core

- Hydrology and Fluvial Geomorphology
- Atmosphere and Weather
- Rocks and Weathering

The Human Core

- Population
- Migration
- Settlement Dynamics

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. The following topics will be covered:

Advanced Physical Geography Options for Paper 2

- Tropical Environments
- Coastal Environments
- Hazardous Environments
- Arid and Semi-arid Environments

Candidates study two of the above topics.

Advanced Human Geography Options for Paper 3

- Production, Location and Change
- Environmental Management
- Global Interdependence
- Economic Transition

Candidates study two of the above topics.

Geography One-Year A level

Students taking the one-year programme will be studying the OCR legacy syllabus. The following topics will be covered:

- Unit 1: Managing Physical Environments
- Unit 2: Managing Human Environments
- Unit 3: Global Issues
- Unit 4: Geographical Skills

Exam Structure

AS Exam Format

Paper 1

The Physical and Human Core
3 hours

A2 Exam Format

Paper 2

Advanced Physical
Geography Options
*1 hour and
30 minutes*

Paper 3

Advanced Human
Geography Options
*1 hour and
30 minutes*

Programme Requirements

No prior knowledge is necessary, but a genuine interest in the subject would be expected. Where students have taken GCSE Geography, a grade C or higher would normally be required.

Related Further Study and Careers

Geography is a well-respected A level subject. It can be partnered with either humanities or science subjects, or a mixture of both. It prepares students for a variety of degree courses in a wide range of areas, such as social sciences, economics and politics. Indeed, part of its attraction is the way it has links with many disciplines. Geography might also be of interest to students who want to pursue degree courses related to environmental studies.

COURSE CONTENT IS DELIVERED THROUGH A SERIES OF PRESENTATIONS, DOCUMENTARIES, SEMINARS, PRACTICAL MAP READING SKILLS SESSIONS AND FIELD TRIPS.



German

GERMAN IS ONE OF THE WORLD'S MAJOR LANGUAGES WITH AROUND 100 MILLION NATIVE SPEAKERS AND ANOTHER 100 MILLION PEOPLE WORLDWIDE WHO SPEAK GERMAN AS A SECOND LANGUAGE.



Overview

German is the sole official language of Germany, Austria and Lichtenstein, as well as being one of several official languages in Belgium, Luxembourg and Switzerland. German is considered an important global language for business and, after English, is most valued by future employers. Our A level and AS level programme teaches students how to communicate to a high level in all language skills; listening, speaking, reading and writing, as well as providing access and insight into Germanic culture.

Board

Edexcel

Course Structure

Teaching begins in September 2016. In the first year you will cover the following themes:

- Theme 1: Gesellschaftliche Entwicklung in Deutschland (Natur und Umwelt; Bildung; Die Welt der Arbeit)
- Theme 2: Politische und künstlerische Kultur im deutschen Sprachraum (Musik; Die Medien; Die Rolle von Festen und Traditionen)

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A-level. In the second year, the previous topics are covered in greater depth as well as the following themes:

- Theme 3: Immigration und die deutsche multikulturelle Gesellschaft (Die positive Auswirkung von Immigration; Die Herausforderungen von Immigration und Integration; Die staatliche und soziale Reaktion zur Immigration)
- Theme 4: Die Wiedervereinigung Deutschlands (Die Gesellschaft in der DDR vor der Wiedervereinigung; Ereignisse vor der Wiedervereinigung; Deutschland seit der Wiedervereinigung)

German One-Year A level

Students taking the one-year programme will be studying the Edexcel legacy syllabus. The following AS and A level topics will be covered.

AS topics:

- Youth Culture and Concerns
- Lifestyle: Health and Fitness
- The World around Us
- Education and Employment

A2 topics:

- Customs, Traditions, Beliefs and Religions
- National and International Events
- Literature and Arts

The examinations papers are as follows:

- Unit 1: Spoken Expression and Response in German
- Unit 2: Understanding and Written Response in German
- Unit 3: Understanding and Spoken Response in German
- Unit 4: Research, Understanding and Written Response in German

Units 1 and 2 are sat at AS level and Units 3 and 4 at A2 level.

Exam Structure

AS Exam Format

Paper 1	Paper 2	Paper 3
Listening, Reading and Translation <i>1 hour and 45 minutes</i>	Written Response to Works and Translation <i>1 hour and 40 minutes</i>	Speaking, internally assessed and externally moderated <i>27 - 30 minutes including 15 minutes of formal preparation time</i>

A2 Exam Format

Paper 1	Paper 2	Non-examination assessment
Listening, Reading and Translation <i>2 hours</i>	Written Response to Works and Translation <i>2 hours and 40 minutes</i>	Speaking, internally conducted and externally assessed <i>21 - 23 minutes, including 5 minutes of formal preparation time</i>

Programme Requirements

Students need at least C grade at GCSE German or equivalent. Alternatively, they may be German speakers.

Related Further Study and Careers

All modern foreign languages A levels, including German, are considered as facilitating subjects and, as such, are viewed as invaluable to a student's A level profile. A level German is usually a prerequisite for studying the language or a combined degree with German at university. Being proficient in another language is becoming increasingly important in our globalized world and many employers are seeking graduates who have knowledge of at least one language other than their native tongue.

History

HISTORY RECORDS AND INTERPRETS PAST EVENTS ESPECIALLY IN RELATION TO PARTICULAR PEOPLE, PLACES AND TIME PERIODS.

Overview

This discipline involves the use of critical thinking, analysis, essay writing, reading and assessment of sources all of which are transferable skills, valued both by employers and universities. Presentations, excursions, the use of source materials and classroom seminars form the basis of the course structure.

Board

CIE

Course Structure

Teaching begins in September 2016. In the first year you will cover the following topics:

- The Origins of the American Civil War 1846-1861
- The Origins of World War One 1900-1914 and The Origins of the Russian Revolution

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. The following topics will be covered:

- The Origins and Development of the Cold War 1941-1950
- The Cold War 1950-1991

History One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year. The stand-alone AS papers would not be sat.

Exam Structure

AS Exam Format

Paper 1	Paper 2
American Civil War <i>1 hour</i>	World War One and The Russian Revolution <i>1 hour and 30 minutes</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3	Paper 4
The Origins of the American Civil War 1846-1861 <i>1 hour</i>	The Origins of World War One 1900-1914 and The Origins of the Russian Revolution <i>1 hour and 30 minutes</i>	The Origins and Development of the Cold War 1941-1950 <i>1 hour</i>	The Cold War 1950-1991 <i>1 hour and 30 minutes</i>

Programme Requirements

Candidates should have a C grade at GCSE or equivalent. Students who have not studied history previously may still be considered, but they will need to have a strong interest in the subject and a good level of English.

Related Further Study and Careers

History is a facilitating subject that is well respected by universities. Clearly, history is one of the destined degree subjects for A level History students, but it also prepares students for a wide range of humanities and other subjects, including Law.



HISTORY PREPARES STUDENTS
FOR A WIDE RANGE OF
HUMANITIES AND OTHER
SUBJECTS, INCLUDING LAW.

ICT IS OFTEN STUDIED BY STUDENTS WHO WANT TO READ BUSINESS STUDIES OR BUSINESS MANAGEMENT AT UNIVERSITY.



Information & Communication Technology (ICT)

A LEVEL ICT FOCUSES ON BROADENING KNOWLEDGE AND UNDERSTANDING OF THE DEVELOPMENT OF ICT SYSTEMS INCLUDING COMPUTER NETWORKS AND HOW THIS IMPACTS ON INDIVIDUALS, SOCIETY AND ORGANISATIONS.

Overview

Through practical exercises, students will develop ICT skills in range of applications software and then apply the knowledge to solve IT-related problems. Assessment is carried out through examinations, coursework and project work involving the production of an ICT-related system.

Board

AQA

Course Structure

Teaching begins in September 2016. In the first year you will cover the following topics:

- Practical Problem Solving in the Digital World
- Living in the Digital World

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. The following topics will be covered:

- The Use of ICT in the Digital World
- Practical Issues Involved in the Use of ICT in the Digital World

ICT One-Year A level

We do not normally offer one-year ICT.

Exam Structure

AAS Exam Format:

Paper 1

Practical Problem Solving in the Digital World
1 hour and 30 minutes

Paper 2

Living in the Digital World
1 hour and 30 minutes

A2 Exam Format

Paper 3

The Use of ICT in the Digital World
2 hours

Non-examination assessment

Coursework on Practical Issues Involved in the Use of ICT. This internally assessed and externally moderated.

Programme Requirements

No prior qualification is required, but a strong interest in the subject is desirable.

Related Further Study and Careers

ICT provides sound preparation for anyone wishing to study a related course at university. In addition it is often studied by students who want to read business studies or business management at university, because of the applications that ICT has for the world of business.

Mathematics

MATHEMATICS IS A SCIENTIFIC DISCIPLINE THAT DEVELOPS THE ABILITY TO THINK IN THE ABSTRACT, REQUIRING BOTH A LOGICAL MIND AND GOOD PROBLEM SOLVING SKILLS.

Overview

Mathematics can be split into three core areas: pure mathematics (geometry, trigonometry, algebra and calculus); statistics (probability, estimation, correlation and regression, sampling, hypothesis testing); mechanics (kinetics, dynamics and statics). A level Mathematics can be taken over 1 year but students need to have a good level of mathematics at GCSE level or equivalent.

Board

Edexcel

Course Structure

Teaching begins in September 2016. In the first year you will cover the following three modules:

- Core Maths 1, C1
- Core Maths 2, C2
- Statistics 1, S1

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following modules:

- Mechanics 1, M1
- Core Maths 3, C3
- Core Maths 4, C4

Mathematics One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year.

Exam Structure

AS Exam Format:

Paper 1	Paper 2	Paper 3
C1	C2	S1
1 hour and 30 minutes	1 hour and 30 minutes	1 hour and 30 minutes

A2 Exam Format

Paper 1	Paper 2	Paper 3
M1	C3	C4
1 hour and 30 minutes	1 hour and 30 minutes	1 hour and 30 minutes

Programme Requirements

Students need A or A* grades at GCSE Mathematics or equivalent.

Related Further Study and Careers

Mathematics is essential for those who want to read mathematics at university, but it is also highly suited to further study in other numerate subjects such as engineering or physics. Many students who take A level Mathematics also go on to study degrees in economics or finance.

Further Mathematics

FURTHER MATHEMATICS IS THE STUDY OF INCREASINGLY ADVANCED AND SOPHISTICATED CONCEPTS IN PURE AND APPLIED MATHEMATICS.

Overview

This is currently the only subject to be studied at an additional level. In recent years further mathematics has seen the greatest increase in students taking the subject at A level. This challenging discipline extends and deepens a student's knowledge and understanding beyond the standard A level Mathematics and, in cases where the two A levels are being studied together, helps to boost exam results in the standard A level Mathematics.

Board

Edexcel

Course Structure

Teaching begins in September 2016. In the first year you will cover the following three modules:

- Further Pure Maths 1, FP1
- Decision Maths 1, D1
- Statistics 2, S2

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following modules:

- Further Pure Maths 2, FP2
- Further Pure Maths 3, FP3
- Mechanics 2, M2

Further Mathematics One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year.

Exam Structure

AS Exam Format

Paper 1	Paper 2	Paper 3
FP1	D1	S2
<i>1 hour and 30 minutes</i>	<i>1 hour and 30 minutes</i>	<i>1 hour and 30 minutes</i>

A2 Exam Format

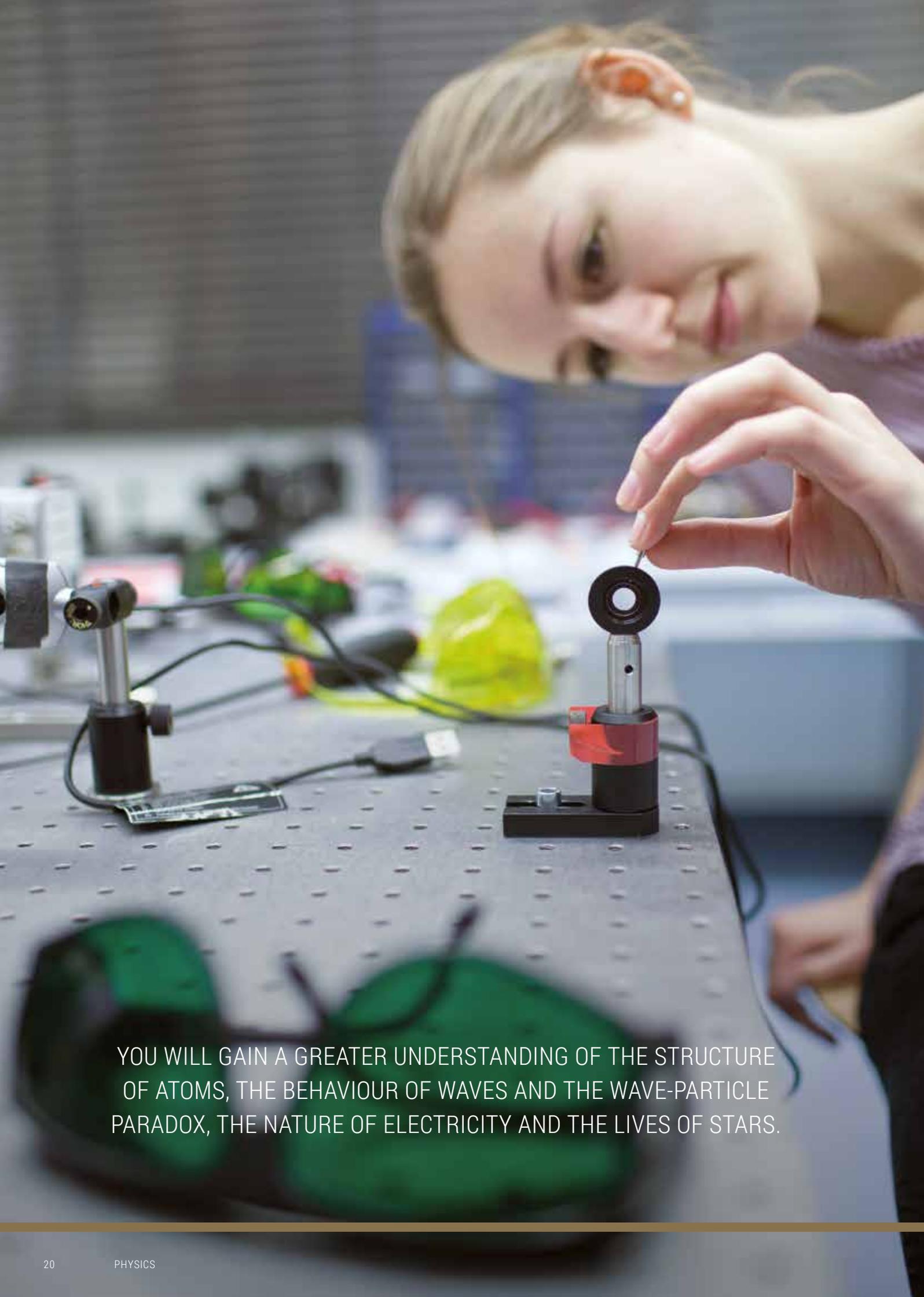
Paper 1	Paper 2	Non-examination assessment
FP2	FP3	M2
<i>1 hour and 30 minutes</i>	<i>1 hour and 30 minutes</i>	<i>1 hour and 30 minutes</i>

Programme Requirements

Students need an A or A* grade at GCSE Mathematics or equivalent.

Related Further Study and Careers

Further mathematics is very useful for those who want to read mathematics at university, but it is also highly suited to those who want to study other numerate subjects such as engineering or physics at tertiary level. Mathematics is often studied by those who want to pursue economics or finance-related subjects.



YOU WILL GAIN A GREATER UNDERSTANDING OF THE STRUCTURE OF ATOMS, THE BEHAVIOUR OF WAVES AND THE WAVE-PARTICLE PARADOX, THE NATURE OF ELECTRICITY AND THE LIVES OF STARS.

Physics

PHYSICS IS THE STUDY OF THE MOST FUNDAMENTAL BUILDING BLOCKS OF OUR WORLD AND THE PROCESSES THAT GOVERN THEIR BEHAVIOUR.

Overview

From the very smallest scale; the laws of quantum mechanics that govern the behaviour of sub atomic particles, through to the very largest scale; the affects of massive stars on space and time, Physics examines and seeks to explain the very nature of our universe. The A level and AS level courses examine the ideas of Newton, Maxwell and Einstein in greater depth than the GCSE programme. During the course, you will gain a greater understanding of the structure of atoms, the behaviour of waves and the wave-particle paradox, the nature of electricity and the lives of stars.

Board

OCR A

Course Structure

Teaching of the new A level specification begins in September 2016. In the first year you will cover the following four main topics:

- Development of Practical Skills in Physics
- Foundations in Physics
- Forces and Motions
- Electrons, Waves and Motions

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following topics:

- Newtonian World and Astrophysics
- Particles and Medical Physics

Physics One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year. The stand-alone AS papers would not be sat.

Exam Structure

AS Exam Format:

Paper 1	Paper 2
Breadth in Physics <i>1 hour and 30 minutes</i>	Depth in Physics <i>1 hour and 30 minutes</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3
Modelling Physics <i>2 hours and 15 minutes</i>	Exploring Physics <i>2 hours and 15 minutes</i>	Unified Physics <i>1 hour and 30 minutes</i>

Programme Requirements

Students need at least grade C at GCSE Physics, Dual Award Science, or equivalent.

Related Further Study and Careers

While physics is often chosen alongside at least one other science subject or mathematics, it can accompany a wide range of other subjects. If it is chosen alongside other sciences and/or mathematics, it prepares students well for degree courses in engineering, medicine and sciences in general. Students wishing to read architecture at university usually need to study physics. It is seen as a facilitating subject and physics graduates can progress on to many fields other than the sciences. Employers see it as a very good A level to have.

Politics

A LEVEL POLITICS STUDIES THE POWER STRUCTURES WITHIN THE UK POLITICAL SYSTEM.

Overview

Students are encouraged to use critical thinking to interpret, evaluate and debate the nature of politics and explore differences in other political systems. This subject is best suited to students who have an interest in politics and current affairs and read extensively to broaden their knowledge.

Board

Edexcel

Course Structure

Teaching begins in September 2016. In the first year you will cover the following two topics:

- People and Politics
- Governing the UK

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year you will focus on the following units:

- Introducing Political Ideologies
- Other Ideological Traditions

Politics One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year.

Exam Structure

AS Exam Format:

Paper 1	Paper 2
People and Politics <i>1 hour and 20 minutes</i>	Governing the UK <i>1 hour and 20 minutes</i>

A2 Exam Format

Paper 3	Paper 4
Introducing Political Ideologies <i>1 hour and 30 minutes</i>	Other Ideological Traditions <i>1 hour and 30 minutes</i>

Programme Requirements

Students do not need prior qualification in this subject but an interest in politics and a good level of English are required.

Related Further Study and Careers

Politics is a useful A level for students who are intending to read politics or a related subject at university. It can be good preparation for degree courses such as International Relations, Law, PPE, social sciences in general and English.

Psychology

PSYCHOLOGY IS THE SCIENTIFIC STUDY OF HOW PEOPLE BEHAVE, THINK AND FEEL.

Overview

The A level covers the following aspects of psychology: cognitive, developmental, social and psychopathology. This discipline involves the formulation of theories and testing of hypotheses through a series of observations and experiments; the statistical analysis of important finding and evaluation of data in written reports. During class activities, the role of the psychologist will be examined and original research replicated. A level Psychology can be taken over 1 year.

Board

AQA A

Course Structure

Teaching begins in September 2016. In the first year, students cover two units:

- Introductory topics in psychology: social influence, memory, attachment
- Psychology in context: approaches in psychology, biopsychology, psychopathology, research methods, scientific processes, data handling and analysis

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A level. In the second year, the previous topics are covered in greater depth as well as a third unit:

- Introductory topics in psychology: social influence, memory, attachment, psychopathology
- Psychology in context: approaches in psychology, biopsychology, research methods, scientific processes, data handling and analysis, inferential testing
- Issues and Options in Psychology and Research Methods

Psychology One-Year A level

The board, format and content is the same as the two-year programme, but the course is covered in the space of one year.

Exam Structure

AS Exam Format:

Paper 1	Paper 2
Introductory topics in psychology <i>1 hour and 30 minutes</i>	Psychology in context <i>1 hour and 30 minutes</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3
Introductory topics in psychology <i>2 hours</i>	Psychology in context <i>2 hours</i>	Issues and options in psychology <i>2 hours</i>

Programme Requirements

Students do not need prior knowledge of psychology, but they do need to demonstrate an interest in the subject. In addition, they need a good level of English and mathematics.

Related Further Study and Careers

A level Psychology is well regarded by universities because of its academic rigour. It has a good balance of science and the humanities. As well as preparing students for reading psychology at degree level, it can prepare students for a wide range of other degrees in the sciences or humanities.

Spanish

SPANISH IS ONE OF THE MOST WIDELY SPOKEN LANGUAGES IN THE WORLD – ALMOST HALF A BILLION PEOPLE IN EUROPE, LATIN AMERICA, THE USA AND ELSEWHERE USE SPANISH EVERY DAY.



Overview

Studying Spanish opens up many doors, providing access to future employers that use or value Spanish in the work place and to the vibrant and passionate cultures of Spain and South America. The A level and AS level programmes teach students how to communicate in Spanish to a high level in each language skill; listening, speaking, reading and writing.

Board

Edexcel

Course Structure

Teaching begins in September 2016. In the first year you will cover the following themes:

- Theme 1: La evolución de la sociedad española (El cambio en la estructura familiar; El mundo laboral; El impacto turístico en España)
- Theme 2: La cultura política y artística en el mundo de habla españolahabla (La música; Los medios de comunicación; Los festivales y las tradiciones)

Most students will take the AS exam at the end of the first year of the programme. The second year then builds on this foundation for the completion of the full A-level. In the second year, the previous topics are covered in greater depth as well as the following themes:

- Theme 3: La inmigración y la sociedad multicultural española (La inmigración históricamente y contemporáneamente; La integración y el multiculturalismo)
- Theme 4: La dictadura franquista y la transición a la democracia (La dictadura franquista; El paso de la dictadura a la democracia)

Spanish One-Year A level

Students taking the one-year programme will be studying the Edexcel legacy syllabus. The following AS and A level topics will be covered.

AS topics:

- Youth Culture and Concerns
- Lifestyle: Health and Fitness
- The World around Us
- Education and Employment

A2 topics:

- Customs, Traditions, Beliefs and Religions
- National and International Events
- Literature and Arts

The examinations papers are as follows:

- Unit 1: Spoken Expression and Response in Spanish
- Unit 2: Understanding and Written Response in Spanish
- Unit 3: Understanding and Spoken Response in Spanish
- Unit 4: Research, Understanding and Written Response in Spanish

Units 1 and 2 are sat at AS level and Units 3 and 4 at A2 level.

Exam Structure

AS Exam Format

Paper 1	Paper 2	Paper 3
Listening, Reading and Translation <i>1 hour and 45 minutes</i>	Written Response to Works and Translation <i>1 hour and 40 minutes</i>	Speaking, internally assessed and externally moderated <i>27 - 30 minutes including 15 minutes of formal preparation time</i>

A2 Exam Format

Paper 1	Paper 2	Paper 3
Listening, Reading and Translation <i>2 hours</i>	Written Response to Works and Translation <i>2 hours and 40 minutes</i>	Speaking, internally conducted and externally assessed <i>21 - 23 minutes, including 5 minutes of formal preparation time</i>

Programme Requirements

Students need at least C grade in GCSE Spanish or equivalent. Alternatively, they may be Spanish speakers.

Related Further Study and Careers

All of the modern foreign languages, such as Spanish, are seen as facilitating subjects and are thus seen as valuable in a student's A level profile. A level Spanish is usually a prerequisite for studying the language or a combined degree with Spanish at university. Being proficient in another language is becoming increasingly important in our globalized world and many employers are seeking graduates who have knowledge of at least one language other than their native tongue.

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