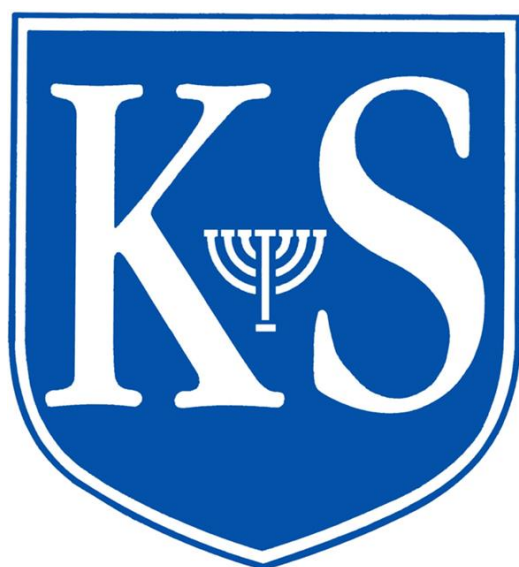


Welcome to KSHS Sixth Form subject information booklet





Our Academic Pathways



Advanced Level Courses

Biology	Chemistry
Physics	Mathematics
Further Maths	English Literature
History	Music
Geography	Religious Studies
Sociology	Computer Science
Psychology	Media Studies
Art and Design	Spanish
Digital Photography	Drama
Product Design	

Vocational A Level Courses

Sport and Physical Activity



Sixth Form Options



Sixth Form Academic Pathways

- 3 x A-Levels (applications for 4 x A-Levels will be considered)
- 3 x A-Levels + Further Maths
- 3 x A-Levels + EPQ
- 3 x mix of A-Levels and our Vocational Technical subject

Sixth Form Option Blocks

	Option A	Option B	Option C	Option D	Option E
A-Levels	Biology	Chemistry	Art	Spanish	Chemistry
	Digital Photography	Music	Biology	Mathematics	English Literature
	History	Religious Studies	Geography	Psychology	Further Maths
	Maths	Media Studies	Physics	Sociology	Psychology
	Drama		Product Design	Computer Science	
Vocational Technicals					Sport and physical activity
Other		EPQ		EPQ	

Entry Requirements

A-Level Art	6 in GCSE Art
A-Level Biology	6 in GCSE Biology or 6/6 Combined sciences with 6 in Biology module
A-Level Chemistry	6 in GCSE Chemistry or 6/6 Combined sciences with 6 in Chemistry module
A-Level Computer Science	6 in GCSE Computer Science or 6 in GCSE Maths
A-Level Digital Photography	5 in GCSE English Language
A-Level Drama	5 in GCSE Drama and 5 in GCSE English Literature or Language
A-Level English Literature	6 in GCSE English Literature
A-Level Further Maths	8 in GCSE Maths
A-Level Geography	6 in GCSE Geography
A-Level History	6 in GCSE History
A-Level Maths	7 in GCSE Maths
A-Level Media	5 in GCSE English Literature or Language
A-Level Music	5 in GCSE Music and 5 in GCSE English Literature or Language
A-Level Product Design	5 in GCSE English Literature or Language and 5 in GCSE Maths
A-Level Physics	6 in GCSE Physics or 6/6 Combined sciences with 6 in Physics module
A-Level Psychology	6 in GCSE Humanities or 6 in English Language PLUS 2 GCSE Science grade 5's or higher
A-Level Religious Studies	6 in GCSE Religious Studies
A-Level Sociology	5 in GCSE Humanities or 5 in English Literature or Language
A-Level Spanish	6 in GCSE Spanish
Technical Sport	4 in English Literature or Language, 4 in GCSE Maths and Level 2 merit at CNAT Sports or 4 in GCSE PE



9FAO

Art A-level



Why choose Art A-level?

"Art is a very wonderful thing and the study of art is a wonderful adventure. Such an adventure leads into an exciting world that is immense and varied. Once discovered and entered, this world can never be forgotten for the treasures it has to offer - its meaning and its beauty - can make our life richer and more exciting." Fred Gettings.

Unique to studying Art at A Level, you build up a very personal and continually evolving body of practical work, guided and supported by your teachers. Individual exploration and development of your personal skills and creative directions is a special aspect of this subject.

Topics we study?

Drawing/Painting, Printmaking, Sculpture, Lense-based image making.

Career prospects

- ❖ Fine Artist
- ❖ Illustrator
- ❖ Calligrapher
- ❖ Animator
- ❖ Graphic Designer
- ❖ Interior Designer
- ❖ Architect
- ❖ Art teacher/Lecturer
- ❖ Gallery curator
- ❖ Special Effects Artist
- ❖ Make-up artist
- ❖ Costume designer
- ❖ Media and television
- ❖ Art therapist
- ❖ Art auctioneer
- ❖ Conservator

Assessment overview

Unit 1

Personal Portfolio +		
Contextual Study	=	60%

Unit 2

Externally Set		
Assignment	=	40%



OCR 

H420

Biology

A-level



Why choose Biology A-level?

People will always require healthy food, novel medicines, clean water, sensibly-produced crops, and fuel that is carbon neutral. Without a work force well trained in the biological sciences, none of these will happen. The combination of biology-specific and general skills means that biologists are versatile and competitive in the job market.

Students who have studied Biology are extremely attractive to employers in all industry sectors, not just in science. For example, many biology graduates will have very successful careers in commerce, industry, working for the civil service, or in the not-for-profit sector. We are about to enter the Genetic age and you should be a part of it.

Topics we study?

Year 1: Biological Molecules, Nucleic acids, Enzymes, Cell membrane and division, Transport in plants and animals, Disease, Biodiversity, Classification and evolution.

Year 2: Homeostasis, Neuronal and hormonal communication, Photosynthesis, Respiration, Inheritance, Biotechnology, Ecosystems and sustainability.

Career prospects

- ❖ Biologist – a biologist can undertake research in a number of fields, working in marine life, ecology, microbiology and with soil
- ❖ Research scientists in medicine and life sciences.
- ❖ Environmental management and conservation
- ❖ Healthcare practitioner (GP)
- ❖ Nurse
- ❖ Pharmacologist
- ❖ Gene therapy
- ❖ Synthetic biology
- ❖ Stem cell research

Assessment overview

Paper 1

Modules 1, 2, 3 & 5

2 hours 15 mins

100 marks

Paper 2

Modules 1, 2, 4 & 6

2 hours 15 mins

100 marks

Paper 3

All modules

1 hour 30 mins

70 marks

Coursework:

Practical Endorsement
Internally assessed and externally monitored by OCR.

Pass or Fail reported

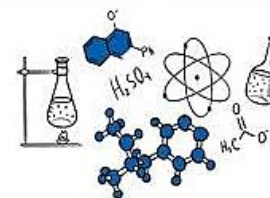


edexcel

9CH0

Chemistry

A-level



Why choose Chemistry A-level?

Chemistry helps us to understand the world in which we live and underpins a wide range of science-based degree courses and careers. It is also highly regarded by Universities and employers of non-scientific careers.

In addition to the laboratory practical skills you will develop, Chemistry helps you to develop research, problem solving, numerical and analytical skills. It helps you to challenge ideas and work things out through logic and step-by-step reasoning. Chemistry often requires teamwork and communication skills too, which is great for project management.

Topics we study?

Year 1: Atomic structure, The Periodic Table, Bonding and Structure, Redox, Formulae and Equations, Alkanes, Alkenes, Alcohols, Spectroscopy, Energetics, Kinetics and Equilibrium.

Year 2: Acids, Transition Metals, Chirality, Carbonyl, Arenes, Organic Nitrogen groups, Organic Structures, Organic Analysis, Further Equilibrium, Further Energetics and Further Kinetics.

Career prospects

- ❖ Medicine
- ❖ Dentistry
- ❖ Vet
- ❖ Forensics
- ❖ Pharmaceutical Industry
- ❖ Pharmacist
- ❖ Chemical Engineering
- ❖ Cosmetics Scientist
- ❖ Environmental Science
- ❖ Sport scientist
- ❖ Biochemist
- ❖ Teaching
- ❖ Material Science
- ❖ Scientific archaeologist
- ❖ Non-science careers

Assessment overview

Paper 1

Advanced Inorganic and Physical Chemistry

30%

1 hour 45 mins

Paper 2

Advanced Organic and Physical Chemistry

30%

1 hour 45 mins

Paper 3

General and Practical Principles in Chemistry

40%

2 hours 30 mins

Coursework:

Practical Endorsement

Internally assessed and externally monitored by Edexcel

Pass or Fail reported



OCR 
RECOGNISING ACHIEVEMENT

Computer



Science A-level

H446

Why choose Computer Science A-level?

The Computer Science qualification focuses on the concept of computational thinking, helping students to develop the skills to solve problems, design systems and understand the power and limits of human and machine intelligence.

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. It's up to the computer scientist to figure out how and design the software to apply the solution.

Topics we study?

Year 1: Computing Fundamentals, Hardware and Software, Networking, Data Representation, Computational Thinking and Computing Issues effecting society.

Year 2: Exchanging Data, Algorithm Design and Complexity, Problem Solving Skills and Boolean algebra as well as completing a programming project of students choosing.

Career prospects

- ❖ Software Development
- ❖ Computer Science
- ❖ Cyber Security
- ❖ Artificial Intelligence
- ❖ Technology consultant
- ❖ Cyber security
- ❖ Games developer
- ❖ Mobile Application developer
- ❖ Software Engineer
- ❖ Systems Architect
- ❖ Data Engineer

Assessment overview

Component 1

Computer Systems

40%

Written Assessment

2hrs 30mins

Component 2

Algorithms and Programming

40%

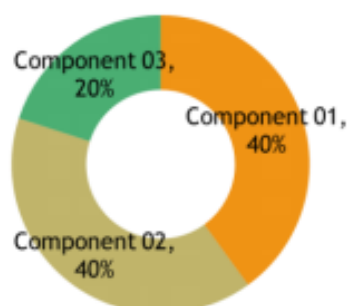
Written Assessment

2hrs 30mins

Component 3

Programming Project

20%





AQA

7552

Design and Technology: Product Design A Level



Why choose Product Design A Level?

This creative and thought-provoking qualification gives students the practical skills, theoretical knowledge, and confidence to succeed in a number of careers. Especially those in the creative industries.

You will investigate historical, social, cultural, environmental, and economic influences on design and technology, whilst enjoying opportunities to put their learning in to practice by producing prototypes of their choice. You will gain a real understanding of what it means to be a designer, alongside the knowledge and skills sought by higher education and employers.

Topics we study?

Paper 1: Materials and their application, performance characteristics of materials, enhancement of materials, forming, redistribution and addition processes, the use of finishes, modern, industrial and commercial practice, Digital design and manufacture, Product design and development, health and safety, product designs and intellectual property, Design for manufacturing, repair and disposal, feasibility studies, enterprise and marketing of products and design communication.

Paper 2: Design methods and processes, design theory, the influence of technology and culture, design processes, critical analysis and evaluation, selecting appropriate tools, equipment and processes, accuracy in design and manufacture, responsible design, design for manufacture and project management, national and international standards in product design.

Career prospects

- ❖ CAD technician
- ❖ Clothing/textile technologist
- ❖ Colour technologist
- ❖ Exhibition designer
- ❖ Furniture designer
- ❖ Interior and spatial designer
- ❖ Product designer
- ❖ Materials engineer
- ❖ Advertising art director
- ❖ Automotive engineer
- ❖ Furniture conservator/restorer
- ❖ Graphic designer
- ❖ Materials engineer
- ❖ Procurement manager
- ❖ Product manager
- ❖ Production designer, theatre/television/film

Assessment overview

Paper 1

Technical Principles

2hr 30min

30% of total grade

120 Marks

Paper 2

Design and Making Principles

1hr 30 min

20% of total grade

80 marks

Non-exam assessment (NEA)

Practical application of technical principles, designing and making principles

50% of total grade

100 marks



eduqas

A690QS

Drama

A-level



Why choose Drama A-level?

"A passion for dramatic art is inherent in the nature of man". Edwin Forest

Drama and Theatre studies aims to develop an understanding of the theory and practice of Drama and consider social, cultural and historical contexts, through exploring different plays. Through the study of plays and Practitioner work, students will gain knowledge and understanding of the ways in which playwrights use the dramatic form, language and structure to communicate meaning to audiences.

Drama & Theatre Studies builds confidence and helps develop skills in public speaking, presentation and group/team building skills which are beneficial if pursuing a career in business or jobs where public speaking is a requirement. Since 2012 over 10,000 students with an A level in drama have gone on to study a range of subjects including Law, Public Relations, Journalism, Media, Economics and Medicine at top Russell group universities.

Topics we study:

Year 1: Students will study the work of Practitioners and Theatre companies and published texts to create performance pieces. Students will also study published texts in preparation for their written exam in Year 2 of their course.

Year 2: Students participate in the creation, development and performance of two pieces of theatre based on a stimulus supplied by Eduqas.

Career prospects

- ❖ Actor/ Performer
- ❖ Theatre Manager
- ❖ Director
- ❖ Playwright
- ❖ Lights/ Sound Designer
- ❖ Set Designer
- ❖ Costume Designer
- ❖ Creative Writing
- ❖ TV Presenter
- ❖ Promotions/Agent or Marketing
- ❖ Public Speaker/Advocate
- ❖ Lawyer
- ❖ Politician
- ❖ Teacher

Assessment overview

Performance Exam 1

Component 1:
Theatre Workshop

20% of the overall
qualification.

Design or Acting

Performance Exam 2

Component 2: Text in
Action

40% of qualification

Devising and Performing
from a Stimulus.

Written Exam

Component 3: Text in
Performance

2 hours 30 minutes

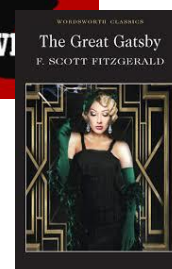
40% of qualification



OCR

H472

English Literature A-level



Why choose English Literature A-level?

"A book must be the axe for the frozen sea within us."
– Franz Kafka

In the A Level Literature course, we challenge you to read texts you never would have read in GCSE, form sophisticated, intellectually original interpretations of those texts and to delve into the cultural moments in which those texts were written and received so as to understand, appreciate, and hold fiery debates about them in lessons and well afterwards!

Topics we study?

Pre-1900 Drama and Poetry:

Duchess of Amalfi (19th Century Drama)

Paradise Lost (Poetry)

The *Tempest* (Shakespeare)

Dystopian:

Handmaid's Tale and *Nineteen Eighty-Four*

Non-Exam Assessment: Post 1900 Literature- Three texts of the candidates' choice to write two pieces of coursework, all post 1900, one post 2000

Career prospects

- ❖ Law
- ❖ Education
- ❖ Arts and Entertainment
- ❖ Television
- ❖ Theatre
- ❖ Journalism
- ❖ Business
- ❖ Advertising

Assessment overview

Paper 1

**Pre-1900 Poetry and
Drama**

(2 ½ Hrs)

Paper 2

**Comparative and
Contextual Study**

(2 ½ Hrs)

Coursework: Close Reading, 1000 words on one text
+ Comparative essay of 2000 words on two texts



edexcel

9FM0

Further Maths

A-level



Why choose Further Maths A-level?

Skills developed through the study of maths are in high demand from employers and universities. Further Mathematics can be taken at AS level or A-level. It is a second qualification that can be taken in addition to A-level Mathematics. There are many good reasons to take Further Mathematics:

- Students taking Further Mathematics overwhelmingly find it to be an enjoyable, rewarding, stimulating and empowering experience.
- For someone who enjoys mathematics, it provides a challenge and a chance to explore new and/or more sophisticated mathematical concepts.
- Students who take Further Mathematics find that the additional time spent studying mathematics boosts their marks in single A-level Mathematics.
- It makes the transition from Sixth Form to university courses, which are mathematically rich that much easier as more of the first year course content will be familiar.

Topics we study?

AS

Topics areas studied include complex numbers, which allow the solution of a range of equations that would otherwise have no solutions, through the introduction of "imaginary" numbers, and matrices which consist of grids of numbers that can be used to represent transformations and are used to solve simultaneous equations amongst many other uses.

A level

Other areas of pure maths are covered such as polar co-ordinates, differential equations and hyperbolic functions. Each of these builds on earlier topics and encourages the development of a wider understanding of the ways in which mathematical topics are interconnected.

Career prospects

- ❖ Actuarial Science
- ❖ Aeronautical
- ❖ Engineering
- ❖ Biochemistry
- ❖ Biomedical Sciences
(Including Medical Science)
- ❖ Chemical Engineering
- ❖ Chemistry
- ❖ Civil Engineering
- ❖ Computer Science
- ❖ Optics
- ❖ Physics
- ❖ Veterinary Science
- ❖ Dentistry
- ❖ Medicine

Assessment overview

Paper 1

Core Pure Mathematics

1 hour and 30 min

75 marks

25% of the qualification

Paper 2

Core Pure Mathematics

1 hour and 30 min

75 marks

25% of the qualification

Paper 3

Further Mechanics 1

1 hour and 30 min

75 marks

25% of the qualification

Paper 4

Further Statistics 1

1 hour and 30 min

75 marks

25% of the qualification



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9GEO

Geography

A-level



Why choose Geography A-level?

"Geography is the subject which holds the key to our future" - Michael Palin

There has never been a more significant time to study A-level Geography. Dealing with current global issues such as climate change, migration, environmental degradation, social issues and natural hazards, A-level Geography is one of the most relevant subjects you could choose to study.

Studying geography can provide an individual with a holistic understanding of our planet and its systems. Those who study geography are better prepared to understand the crucial and current issues impacting our planet.

Topics we study?

Year 1: Tectonic Processes and Hazards, Globalisation, Superpowers and Regenerating Places.

Year 2: The Water Cycle and Water Insecurity, Coastal landscapes and Change, the Carbon Cycle and Energy Security, Health, Human Rights and Intervention.

Career prospects

- ❖ Politics
- ❖ Law
- ❖ Teaching
- ❖ International development and aid
- ❖ Town planning
- ❖ Transport sector
- ❖ Conservation
- ❖ Surveyor
- ❖ Climatologist
- ❖ Human rights
- ❖ Geology
- ❖ International relations
- ❖ Environmental consultant
- ❖ Travel and tourism

Assessment overview

Paper 1

Physical geography

2 hours 15min

105 marks

30% of total A-level

Paper 2

Human geography

2 hours 15min

105 marks

30% of total A-level

Paper 3

Synoptic paper

2 hours 15min

70 marks

20% of total A-level

Non-Examined Assessment (NEA):

Independent Investigation

70 marks

20% of total A-level



OCR 

H505

History

A-level



Lancaster Rose



York Rose



Tudor Rose

Why choose History A-level?

History is the bodies of knowledge about the past produced by historians, together with everything that is involved in the production, communication of, and teaching about that knowledge. Studying History at A-Level equips you with the ability to analyse, argue, debate, evaluate and develop your literacy and essay skills, which can prepare you for all manner of university courses and future opportunities.

Topics we study?

Year 1: Unit 1 = England: 1445-1509 Lancastrians, Yorkists and Henry VII; Unit 2 = Apartheid and Reconciliation: South African Politics 1948-1999.

Year 2: Unit 3 = Popular Culture and the Witchcraze of the 16th and 17th Centuries; Unit 4 = Topic Based Essay: 3,000 - 4,000 word essay on a topic of your choice.

Career prospects

- ❖ Politics
- ❖ Law
- ❖ Business analyst
- ❖ PR officer
- ❖ Teaching
- ❖ Museums archivist
- ❖ Museum curator
- ❖ Art galleries
- ❖ Librarian
- ❖ Journalist
- ❖ Accountancy
- ❖ International development

Assessment overview

Paper 1

**England 1445-1509:
Lancastrians, Yorkists
and Henry VII**

25%
50 marks
1 hour 30 minute paper

Paper 2

**Apartheid and
Reconciliation: South
African Politics 1948-1999**

15%
30 marks
1 hour paper

Paper 3

**Popular Culture and the
Witchcraze of the 16th
and 17th Centuries**

40%
80 marks
2 hours and 30 minute
paper

Coursework:

Topic Based Essay: 3,000
- 4,000 word essay on a
topic of your choice.

20%
40 marks

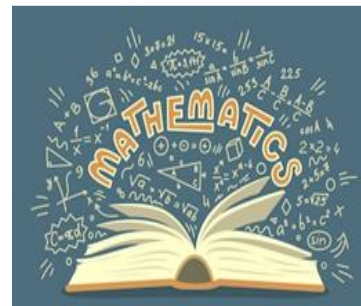


edexcel

9MA0

Maths

A-level



Why choose Maths A-level?

The Skills developed through the study of maths are in high demand from employers and universities. In addition to developing the ability to solve problems and think logically, the study of maths provides opportunities to develop team-working skills, resilience, effective communication of complex ideas and the ability to use your own initiative. Whatever maths means to you, the breadth of applications is immense. Maths underpins most of science, technology and engineering and is important in areas as diverse as business, law, nutrition, sports science and psychology. There are many opportunities to use maths to make a difference in society, for example through the analysis involved in medical research, developing new technology, modelling epidemics or in the study of patterns of criminal activity to identify trends.

Topics we study?

Pure Maths: is the methods and techniques, which underpin the study of all other areas of maths. This includes proof, algebra, trigonometry, calculus and vectors.

Mechanics: is the maths used to study the physical world, modelling the motion of objects and the forces acting on them. This includes moments, where the turning effect of a force is considered.

Statistics: involves statistical sampling, data presentation and probability, all of which follow on from topics met at GCSE, leading to the study of statistical distributions with special properties, such as the Binomial Distribution.

Career prospects

- ❖ Actuarial analyst
- ❖ Actuary
- ❖ Chartered accountant
- ❖ Chartered certified accountant
- ❖ Data analyst
- ❖ Data scientist
- ❖ Investment analyst
- ❖ Research scientist (maths)
- ❖ Secondary school teacher
- ❖ Software engineer
- ❖ Statistician

Assessment overview

Paper 1 **Pure Mathematics**

2 hours

100 marks

33.33% of the
qualification

Paper 2 **Pure Mathematics**

2 hours

100 marks

33.33% of the
qualification

Paper 3 **Statistics and Mechanics**

2 hours

100 marks

33.33% of the qualification



AQA

7572

Media Studies

A-level



Why choose Media Studies A-level?

Media Studies aims to deliver effective, up to date, media training across a range of skills and disciplines. We combine academic study, practical assignments, workshops and trips to give students a comprehensive introduction to the Media industry.

Topics / platforms we study?

Year 1:

Television; magazines; online and social media; video games; advertising and marketing.

Year 2:

Newspapers; film; music videos; radio.

Practical work / coursework project (set by exam board annually).

Career prospects

- ❖ University study in a range of disciplines and media-related subjects (journalism, set design, editing, visual effects, computer animation and many more.)
- ❖ Apprenticeships (ITV, BBC)
- ❖ Researcher (£35k)
- ❖ Camera Operator (£35k+)
- ❖ Director (£65+)
- ❖ Editor / Animator (£40k+)
- ❖ Many more...

Assessment overview

Paper 1

84 marks – 2 hours

Advertising; music videos; radio; newspapers; film

Paper 2

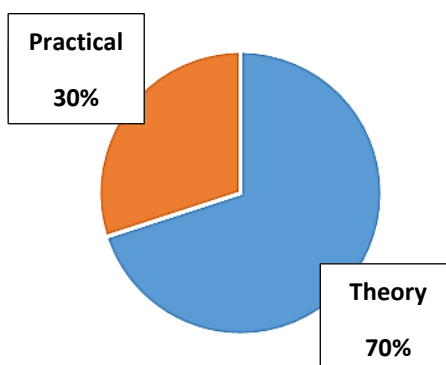
84 marks – 2 hours

Magazines; video games; TV; online & social media

Coursework:

60 marks

Begin in September of Year 2; hand in mid-April for assessment.



Music

A-level



Why choose Music A-level?

Music is a language that moves and influences all of us regardless of background and culture. This is why music is used in a wide variety of areas including live entertainment, films, video games, TV, retail, advertising and marketing, therapy etc. Studying A-level music develops your ability to understand and communicate in a powerful universal language through both performance and composition. You discover the secrets behind the power of music through studying great composers of the past and present and letting them influence your own growth as a musician.

Topics we study?

Year 1: The Development of the Orchestral Symphony, Rock and Pop, Classical Performance, Rock and Pop composition

Year 2: Twenty-first Century Classical music, Dance Fusion, Jazz Fusion, Rock and Pop Performance, Classical Composition

Career prospects

- ❖ Solo and ensemble performance
- ❖ Composition and arranging
- ❖ Creative project work (improvisation, collaborations with dance, music technology)
- ❖ Music therapist
- ❖ Music Management, A&R
- ❖ Collaborative projects with other media/art forms

Assessment overview

Performance Coursework:

- ❖ 35% of Qualification
- ❖ Three pieces
- ❖ 10-12 minutes in total
- ❖ Contrasting styles

Composition Coursework:

- ❖ 25% of Qualification
- ❖ Two compositions
- ❖ 4-6 minutes in total

Appraisal Paper:

- ❖ 40% of qualification
- ❖ Written examination
- ❖ Three areas of study
- ❖ 2 hours 15 minutes



Pearson
Edexcel

9PYO

Photography

A-level



Why choose Photography A-level?

"The intensity of the moment: no other visual medium can give us this with such immediacy as photography. Instant photos are spontaneous, vital, and direct. Life seems to be concentrated, condensed, in a special way, especially in photographic masterpieces. It is as though the gap of a few hundredths of a second which records the flow of things suddenly gives insight into a structure of life which is otherwise never so clearly perceived, indeed is hidden from visual access. That technical miracle, the camera, with its polished and precisely focused lenses, allows us a glimpse "behind the mirror", behind the façade. Precisely by "freezing" all movement, it often seems to succeed in revealing the secret formula of all activity."

Topics we study?

Digital photography, Lense-based image making.

Career prospects

- ❖ Portrait photographer
- ❖ Nature photographer
- ❖ Military photographer
- ❖ Forensic photographer
- ❖ Fashion photographer
- ❖ Commercial photographer
- ❖ Photojournalist
- ❖ Graphic Designer
- ❖ Photo Editor
- ❖ Teacher/Lecturer
- ❖ CGI Artist
- ❖ Web designer
- ❖ Magazine editor
- ❖ Film director
- ❖ Web designer
- ❖ Stylist

Assessment overview

Unit 1

Personal Portfolio +		
Contextual Study	=	60%

Unit 2

Externally Set		
Assignment	=	40%

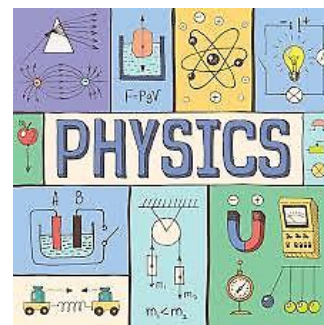


edexcel

9PH0

Physics

A-level



Why choose Physics A-level?

Studying A-level physics doesn't restrict your options, it expands them. As well as being needed for many careers in science and engineering the skills and knowledge that you can develop by studying physics keeps the door open to doing just about everything else. "You'd be surprised how useful physics can be."

The goal of physics is to understand how things work from first principles. Courses in physics reveal the mathematical beauty of the universe at scales ranging from subatomic to cosmological. Studying physics strengthens quantitative reasoning and problem solving skills that are valuable in areas beyond physics.

Topics we study?

Year 1: Working as a Physicist, Mechanics, Electric Circuits, Materials, Waves and Particle Nature of Light.

Year 2: Further Mechanics, Electric and Magnetic Fields, and Nuclear and Particle Physics, Thermodynamics, Space, Nuclear Radiation, Gravitational Fields, and Oscillations.

Career prospects

- ❖ Astronaut
- ❖ Astronomer
- ❖ Cosmologist
- ❖ Astrophysicist
- ❖ Work in medicine
- ❖ Engineering
- ❖ Architecture
- ❖ Computer programming
- ❖ Environmental advisor
- ❖ Solar energy physicist
- ❖ Business manager
- ❖ Sport engineer
- ❖ Material researcher
- ❖ Law
- ❖ Entertainment industry

Assessment overview

Paper 1

Advanced Physics I

1 hour 45 minutes

90 marks

30% of total A-level

Paper 2

Advanced Physics II

1 hour 45 minutes

90 marks

30% of total A-level

Paper 3

General and Practical Principles in Physics

2 hours 30 minutes

120 marks

40% of total A-level

Coursework:

Practical Endorsement

Internally assessed and externally monitored by Edexcel

Pass or Fail reported

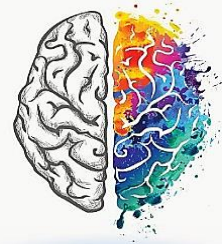


AQA

7182

Psychology

A-level



Why choose Psychology A-level?

'We know what we are but not what we may be' – William Shakespeare

Do you have a curiosity about what makes people tick? An enquiring mind is essential in the field of psychology. Psychology is the scientific study of the brain and its influences on conscious and unconscious phenomena, as well as our thoughts and feelings. Psychology is one of the few disciplines that reaches beyond professional development, you will develop critical thinking, analytical and reasoning skills, a developed understanding of human relationships, a new perspective on mental wellbeing, and stronger interpersonal skills.

Topics we study?

Year 1: Approaches, Social Influence, Psychopathology, Memory, Biopsychology, Attachment, Research Methods.

Year 2: Issues and Debates, Cognition & Development, Aggression, Schizophrenia.

Assessment overview

Career prospects

- ❖ Psychiatrist
- ❖ Forensic Psychologist
- ❖ Psychotherapist/Counsellor
- ❖ Human Resources Officer
- ❖ Teacher
- ❖ Media and Advertising
- ❖ Consumer Psychology
- ❖ Educational Psychologist
- ❖ Sport and Exercise Psychologist
- ❖ Occupational Psychologist
- ❖ Social Worker
- ❖ Substance Abuse Counsellor
- ❖ Neuropsychologist

Paper 1: Introductory Topics in Psychology

Social Influence
Memory
Attachment
Psychopathology

Paper 3: Issues and Options in Psychology

Issues and Debates
Cognition &
Development
Aggression
Schizophrenia

Paper 2: Psychology in Context

Approaches
Biopsychology
Research Methods
(Year 1 & 2 Material)

Duration: 2 hrs per
paper

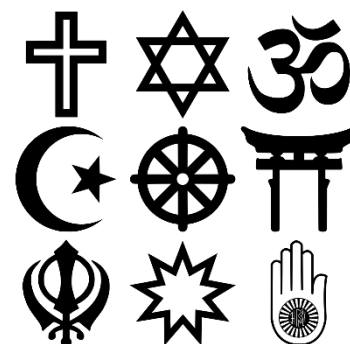
Marks: 96 Marks per
paper

Weighting: 33.33% per
paper



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Religious Studies A-level



Why choose Religious Studies A-level?

Students develop their understanding and appreciation of religious beliefs and teachings, as well as the disciplines of ethics and the philosophy of religion. Religious Studies is a challenging, academic A level, aimed at developing a wide range of transferrable skills, not least among which are dealing with conflict and argument and harmonising these.

Topics we study?

Philosophy of Religion

Ancient philosophical influences • the nature of the soul, mind and body • the existence or non-existence of God • the nature and impact of religious experience • the challenge for religious belief of the problem of evil • the nature of God • issues in religious language.

Religion and Ethics

Normative ethical theories • the application of ethical theory to euthanasia and business ethics • ethical language and thought • the significant idea of conscience • sexual ethics and the influence on ethical thought of developments in religious beliefs.

Developments in religious thought: Judaism

Religious beliefs, values and teachings, their interconnections and how they vary historically and in the contemporary world • religious wisdom and authority • practices which shape religious identity, and how these vary • significant social and historical developments in theology and religious thought • the relationship between religion and society.

Career prospects

- ❖ Law
- ❖ Community and charity work
- ❖ Journalism
- ❖ Social work
- ❖ Mental health professions such as psychotherapy
- ❖ Teaching
- ❖ Religious leader
- ❖ Interfaith worker
- ❖ Business/marketing

Assessment overview

Paper 1

Philosophy of Religion

2 hours

One third of total marks

Three 40 mark essays

Paper 2

Religion and Ethics

2 hours

One third of total marks

Three 40 mark essays

Paper 3

Developments in Jewish thought

2 hours

One third of total marks

Three 40 mark essays



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Sociology

A-level



Why choose Sociology A-level?

Sociology asks the big questions and examines connections within society. We live in a world where big changes happen on a daily basis and by studying Sociology we can start to explore why some of these changes take place and what the implications are for the rest of our world.

Having A-level sociology can lead you to university degree courses in sociology, politics, ethics, philosophy, advertising, media studies, cinema studies, journalism amongst others, but you will need other complimentary A-levels for your chosen education and career path.

Topics we study?

Year 1: What is sociology?. Education, Research methods, Families and households.

Year 2: Beliefs in society, Crime and deviance, Theory and methods.

Career prospects

- ❖ The Police
- ❖ Voluntary Agencies
- ❖ Research
- ❖ Social Work and the 'Caring Professions'
- ❖ Teaching
- ❖ The Civil Service
- ❖ Local Government Services
- ❖ Youth work
- ❖ Family support worker
- ❖ Charity work
- ❖ International aid and development worker
- ❖ Human resource manager

Assessment overview

Paper 1

Education with theory methods

2 hour written exam

80 marks

33.3% of A-level

Paper 2

Beliefs in society and Family

2 hour written exam

80 marks

33.3% of A-level

Paper 3

Crime and deviance with theory and methods

2 hour written exam

80 marks

33.3% of A-level



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Spanish A-level



Why choose Spanish A-level?

Spanish A-Level can lead to a wide array of exciting options for the future, including working abroad, with multi-national companies, in numerous fields. It develops your knowledge of current affairs, historical, social and political events not only in the Spanish speaking world but also globally. Finally, you will be immersed into a modern Spanish film and a significant literary text.

Topics we study?

Year 1: The changes in Spanish society, The political and artistic culture in the Spanish-Speaking World.

Year 2: Immigration and the multicultural Spanish society, The Franco Dictatorship and the transition towards democracy.

Career prospects

- ❖ Translation
- ❖ Interpreter
- ❖ Diplomacy
- ❖ Broadcast Journalist
- ❖ International business, Logistics and Finance
- ❖ Law
- ❖ Tourism
- ❖ Media
- ❖ Foreign Relations
- ❖ Governments
- ❖ NGOs
- ❖ Teaching

Assessment overview

Paper 1

Listening, Reading and Translation

2 hours
80 marks
40% of total A-level

Paper 2

Written Response to Works

2 hours 40 min
120 marks
30% of total A-level

Paper 3

Speaking

16-18 mins
72 marks
30% of total A-level



**05827 Extended
Certificate**

Sport & Physical Activity



Cambridge Technical

Why choose Sport and Physical Activity Technical?

Students who have completed this course have furthered their careers in the sporting industry in; sports coaching, sports development, sports nutrition, physiotherapy, sports science, sport journalism and personal training. If you have any further questions regarding Cambridge Technical PE, please speak to one of our members of staff.

Topics we study?

Year 1: Body systems and the effects of physical activity, Sport coaching and activity leadership, Sports organisation and development

Year 2: Sport injuries and rehabilitation, Sport and Exercise Psychology

Career prospects

- ❖ University
- ❖ Apprenticeships
- ❖ Coach
- ❖ Teacher
- ❖ Fitness Instructor
- ❖ Gym Manager
- ❖ Sports Therapist
- ❖ Sports administrator
- ❖ Sports Development Officer

Assessment overview

Paper 1

**Body systems and the
effects of physical
activity**

1 hour 30 minutes exam
20% of total grade

Paper 2

**Sports organisation and
development**

1 hour exam
20% of total grade

Non-Examined Assessment (NEA)

Sport coaching and activity leadership, Sport injuries and rehabilitation, Sport and Exercise Psychology.

Internal coursework (60% of total grade)