

Morecambe Bay Sixth Form Courses

AAQ Applied Science

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Mrs V Bradley

Pathways Post 18:

The course allows for progression to undergraduate study, enabling students to enter a range of academic and vocational careers in the biological, chemical or physical sciences. For learners wishing to follow an apprenticeship route or those seeking direct entry into a wide range of science careers, this course provides a strong background and progression pathway. It is designed for learners who are interested in learning about science alongside other fields of study, with a view to progressing to a wide range of higher education courses.

Course Content and Method of Assessment:

Year 1

The course requires students to cover a variety of units. The work is arranged around workplace scenarios to provide the content for the science teaching. There are two mandatory units, Fundamentals of Science and Investigating Science.

Year 2

Students complete an additional mandatory unit which is externally assessed called Science in Society, as well as two more units.

Assessment

There is a mixture of internally and externally assessed units. Of the two externally assessed units, Unit fundamentals of Science is assessed through a single 90-minute, 70 mark written exam covering the range of Biology, Chemistry and Physics in the course. This exam is sat at the end of year 12. Science in society is assessed through a single 75-minute, 50 mark exam that is split into 2 sections. The first section is based on pre-released material that students will look at in class, whereas the second section will be based on the rest of the topic. This exam is sat in January of year 13.

The internally assessed (NEA) units comprise of practical tasks that have deadlines set throughout the course. The assignments get assessed at pass, merit or distinction level and these lead to an overall UMS for each of the 3 internally assessed units. The NEA work is externally moderated by the exam board.

Overview:

Why study AAQ Applied Science?

AAQ applied Science covers core topics in biology, chemistry, and physics, but with a strong emphasis on practical application and vocational relevance.

It is a Level 3 qualification that provides a strong foundation in scientific principles and practical skills, preparing students for further study or careers in science-related fields.

AAQ Applied Science prepares students for various pathways, including university degrees in science-related fields, apprenticeships, or direct employment.

Structure:

360 Guided learning hours for students.

5 units in total will be covered:

Fundamentals of Science, Science in Society,
Investigating Science, Analytical techniques in chemistry
Forensic biology

Independent Study

Independent work is essential and promoted. There is an expectation that students read up on content before the lesson and then use time after the lesson to complete work.



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Morecambe Bay Academy
Dallam Avenue, Morecambe, Lancashire, LA4 5BG

Telephone: 01524 410207
Email: reception@morecambebayacademy.co.uk
Website: www.morecambebayacademy.co.uk

Morecambe Bay Sixth Form Courses

Art

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Miss C Simpson

Pathways post 18

It will be an advantage to have Art A Level for all practical degree courses will require it e.g. ceramics, furniture design, fashion, theatre design, graphic design, fine art, medical illustration, illustration, etc. Art is also desirable for cultural studies courses, art history, computer design, media film and advertising etc. Any employer looking for someone with good presentation skills, and the ability to analyse, research and communicate ideas and think creatively would value a candidate with A Level Art.

AQA Art and Design - Fine Art Course Content and Method of Assessment:

Areas of study

Students are required to work in one or more area(s) of Fine art, such as those listed below. They may explore overlapping areas and combinations of areas:

- drawing and painting
- mixed-media, including collage and assemblage
- sculpture, ceramics
- installation
- printmaking
- photography

Skills and techniques

Students will be expected to demonstrate skills, all of the following:

- appreciation of different approaches to recording images, such as observation, analysis, expression and imagination
- awareness of intended audience or purpose for their chosen area(s) of Fine art
- understanding of the conventions of figurative/representational and abstract/non-representational imagery or genres
- appreciation of different ways of working, such as, using underpainting, glazing, wash and impasto; drypoint, mono printing, lino printing, screen printing,
- understanding of pictorial space, composition, rhythm, scale and structure
- appreciation of colour, line, tone, texture, shape and form.

Overview:

Why study Art?

You will be introduced to a variety of experiences that explore a range of fine art media, processes and techniques. You will explore the use of drawing for different purposes, using a variety of methods and media on a variety of scales. You 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.

You will be taught how to evidence the four assessment objectives. You will be taught the importance of process as well as product.

Structure:

This course is broken down into two clear component parts the Personal Investigation and the Externally Set Assignment.

Component 1: The Personal Investigation:

This unit is made up of an extended practical project on a theme of your choice with a written element of between 1000-3000 words to support it.

Component 2: The Externally Set Assignment:

You will be given a paper in which you can select one theme and complete your own response from this. There will be a 15 Hour controlled assessment at the end of this project where you need to produce a piece of work under exam conditions.

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“I am always doing things I can't do, that's how I get to do them.” Pablo Picasso

“Don't wait for inspiration. It comes while one is working”. Henri Matisse

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Morecambe Bay Sixth Form Courses

Biology

Minimum entry requirements:

GCSE Grade 6 in Science/Triple Biology

Head of Department:

Mrs V Bradley

Pathways post 18

A-Level Biology is an excellent base for a university degree in healthcare, such as medicine, veterinary science or dentistry, as well as the biological sciences, such as biochemistry, molecular biology or forensic science. Biology can also complement sports science, psychology, sociology and many more subjects.

OCR Biology A Content Overview:

Content is in six modules, each divided into key topics:

Students gain practical skills throughout the course through Module 1. These are assessed in the written examinations and in the practical endorsement (component 04).

There will be three exams in Year 13 assessed externally

Paper 1- Biological Processes

Assesses content from modules 1, 2, 3 and 5. Time – 2hrs and 15 mins

Paper 2- Biological diversity

Assesses content from modules 1, 2, 4 and 6. Time 2 hours and 15 mins

Paper 3- Unified Biology

Assessed content from modules 1 to 6. Time – 1 hour and 30 mins

Practical Endorsement in Biology

Non-exam assessment in lessons.

Overview:

Biology will give you an exciting insight into the contemporary world of biology. It covers the key concepts of biology and practical skills are integrated throughout the course. This mix of academic challenge and practical focus makes the prospect of studying A-Level Biology highly appealing. You will learn about the core concepts of biology, about the impact of biological research and how it links to everyday life. You will learn to apply your knowledge, investigate and solve problems in a range of contexts.

Structure:

Structure: Year 12 will cover

Module 1: Practical skills

Module 2: Foundations in biology

Module 3: Exchange and transport

Module 4: Biodiversity, evolution and disease

Year 13 will cover

Module 1: Practical Skills

Module 5: Communication, homeostasis and energy

Module 6: Genetics, evolution and ecosystems.



"I love Biology because you learn about something you can apply to your body and the world around you"

Year 12 Student



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Morecambe Bay Sixth Form Courses

Business

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Mrs K. Korab

Pathways post 18

Taking A-level Business is a great thing to do if you have aspirations of one day becoming self-employed or in a managerial position. Possible career choices with A-level Business include management, marketing, finance, public relations, accounting, banking, retailing, manufacturing and local government.

Course Content and Method of Assessment:

The course is split into four Themes, examined at the end of Year 13 by three written exams:

Theme 1: Marketing and people

In this theme, students are introduced to the market, explore the marketing and people functions and investigate entrepreneurs and business start-up.

Theme 2: Managing business activities

In this theme, students explore the finance and operations functions, and investigate external influences on business.

Theme 3: Business decisions and strategy

In this theme, students develop their understanding of the concepts introduced in Theme 2 and explore influences on business strategy and decision-making.

Theme 4: Global business

In this theme, students develop their understanding of the concepts introduced in Theme 1 and explore business activity in a global context.

Overview:

Why study Business?

The study of Business at A Level offers clear progression from GCSE. The course will allow you to build on the skills, knowledge and understanding already gained.

The course will allow you to gain a holistic understanding of business in a range of contexts.

You will acquire a range of relevant business and generic skills, including decision making, problem solving, the challenging of assumptions and critical analysis.

Structure:

Paper 1 will assess marketing, people and global businesses. Questions will be drawn from Themes 1 and 4, and from local, national and global contexts.

Paper 2 will assess business finance and operations, business decisions and strategy. Questions will be drawn from Themes 2 and 3, and from local, national and global contexts.

Paper 3 For Paper 3, there will be a pre-released context document issued from Edexcel. The context will focus on a broad context, such as an industry or market in which businesses operate. Students are required to apply their knowledge and understanding from Themes 1, 2, 3 and 4.



"I really enjoy seeing how what we learn fits with real life businesses and I feel the wide range of understanding I have developed has prepared me for the workplace"

Year 13 student



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Morecambe Bay Sixth Form Courses Chemistry

Minimum entry requirements:

Grade 6 in chemistry/combined science GCSE; Grade 6 in maths GCSE

Head of Department:

Mrs V Bradley

Pathways post 18

Degree/ HND courses in sciences e.g. chemistry, cosmetic science, biochemistry environmental science; engineering, medicine, dentistry, veterinary science, physiotherapy and other courses such as law and accounting

Careers/apprenticeships in science and industry.

OCR Chemistry A

Course Content and Method of Assessment:

01 Periodic Table, elements and physical chemistry

(2 hours 15 minutes) – 37% of total. Covers Modules 1,2,3 & 5

02 Synthesis and analytical techniques

(2 hours 15 minutes) – 37% of total. Covers Modules 1,2,4 & 6

03 Unified chemistry

(1 hour 30 minutes) – 26% of total. Covers all Modules

4. Practical Endorsement

5. (no exam)

Reported separately* *Needed for university science courses

Overview:

Why study Chemistry?

A Level Chemistry will give you an exciting insight into the contemporary world of chemistry. It covers the key concepts of chemistry and practical skills are integrated throughout the course. This combination of academic challenge and practical focus makes the prospect of studying A Level Chemistry highly appealing. You will learn about chemistry in a range of different contexts and the impact it has on industry and many aspects of everyday life. You will learn to investigate and solve problems in a range of contexts.

Structure:

Six Teaching Modules

1. (covered throughout) Practical Skills
2. (covered throughout) Foundations of chemistry
3. (Year 12) Periodic Table and energy
4. (Year 12) Core organic chemistry
5. (Year 13) Physical chemistry and transition elements
6. (Year 13) Organic chemistry and analysis

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“Chemistry is so important in the modern world as it offers so much to help shape the future.”

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Morecambe Bay Sixth Form Courses Computer Science

Minimum entry requirements:

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Head of Department:

Mrs K. Korab

Pathways post 18

The study of Computer Science at A Level is recognised as a valued academic qualification and can lead to a wide range of university courses such as Cyber Security, Networking, Software Development and Engineering.

AQA GCE Computer Science (7517)

Content and Method of Assessment:

Algorithms and Programming Components:

Elements of computational thinking. Problem solving and programming. Algorithms to solve problems and standard algorithms.

Assessment: 2 hours and 30 minutes written paper (40% Marks)

This paper tests the students ability to program, as well as their theoretical knowledge of computer science.

Computer Systems

Assessment: 2 hours and 30 minutes written paper (40% Marks)

The characteristics of contemporary processors, input, output, and storage devices. Software and software development. Exchanging data. Data types, data structures and algorithms. Legal, moral, cultural and ethical issues.

Non – exam assessment (20%)

Programming project: Learners will choose a computing problem to work through according to the specification. Analysis of the problem. Design of the solution . Developing the solution. Evaluation

Overview:

Why study A Level Computer Science?

This qualification is ideal for learners who have previously completed the GCSE in Computing and have a real passion for programming and love the challenge of computational thinking.

At its heart lies the notion of computational thinking: A mode of thought that goes well beyond software and hardware, and that provides a framework within which to reason about systems and problems.

This course is ideal for learners who are considering a computing career or looking at careers such as cybersecurity and forensic computing.

Structure: The course is split in to 3 units:

This course is broken down into three clear component parts

Paper 1:

Algorithms and programming component relate principally to problem solving skills needed by learners to apply the knowledge and understanding encountered.

Paper 2:

Computer systems component contains the majority of the content of the specification and is assessed in a written paper recalling knowledge and understanding.

NEA:

Programming project component is a practical based assessment with a task that is produced in an appropriate programming language of the learners or teacher's choice

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“I love the challenge of problem solving and creating my own programs that have real world application.”

Year 13 Student

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Morecambe Bay Sixth Form Courses

Criminology

Minimum entry requirements:

Morecambe bay Academy entry criteria

Head of Department:

Mrs M Paternoster (Acting)

Pathways post 18

The Level 3 Diploma in Criminology is equivalent to one A-Level in UCAS points. It is recognised as a valued academic qualification and can lead to a wide range of university study or careers.

WJEC Criminology Level 3 Diploma Course Content and Method of Assessment:

Unit 1	Unit 3
Changing Awareness of Crime Assessment: Internal controlled assessment- 25%	Crime Scene to Courtroom Assessment: Internal controlled assessment- 25%
Unit 2	Unit 4
Criminological Theories Assessment: 1.5 hour written examination- 25%	Crime and Punishment Assessment: 1.5 hour written examination- 25%

Overview:

Why study Criminology?

As an Applied General qualification, each unit within the qualification has an applied purpose which acts as a focus for the learning in the unit. The applied purpose requires that learning be related to authentic case studies and will also allow students to develop the skills required for independent learning and development as well as a range of generic and transferable skills. The ability to solve problems and the skills of project-based research, development and presentation. The fundamental ability to work alongside other professionals, in a professional environment and the ability to apply learning in vocational contexts.

This qualification in Criminology could lead to work with employers such as the National Probation Service, the Courts and Tribunals Service, or Police force and Law as well as leading to university study in subjects such as Criminology, Psychology, Policing, Nursing and Applied Social Science.

Structure:

Unit 1 and 2 in year 12 we look at:

What different types of crime are there (e.g. white collar crime; hate crime)? Why do certain crimes go unreported, and what are the consequences of this? How does the media shape public perceptions of crime? How do laws change from culture to culture or from one time period to another? What theories have been developed to try and explain why some people turn to crime?

Unit 3 and 4 in year 13 we look at:

Which people are involved in investigating crime?
What techniques are used to identify who has committed a crime?
What is the process for prosecuting suspects?
What types of punishment are there?
Who is involved in the punishment of offenders?
What is trying to be achieved by punishing offenders?
Which agencies are involved in social control and how effective are they?



"Criminology helps you to realise why people commit crimes and what influences their behaviour. It's a really interesting subject that also helps you to understand the thinking behind every crime."

"It's interesting to be able to learn and go into depth in the case studies about real life crimes that have happened."

"To prevent crime we need to be able to understand crime. I can see how this course gives you some of the practical skills you would need for future careers in this area."



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Sixth Form Courses

Early Childhood Development

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Mrs C Ralph

Pathways Post 18:

This course is designed for students wishing to gain employment in the childcare sector, or progress to university to study a degree level on a wide range of vocational and academic courses relating to childcare, such as teaching

Course Content and Method of Assessment:

Pearson BTEC: Level 3 National Extended Certificate in Early Childhood Development (AAQ)

2 exams (40%)

2x coursework (60%)

Exam Board: Edexcel

Overview:

Why study early Childhood Development ?

The Pearson Level 3 Alternative Academic Qualification BTEC National in Early Childhood Development (Extended Certificate) allows students to engage in a broad investigation of the children's care and education sector (0-8 years). There are four mandatory units; two examined and two internally assessed. The assessed units give students the opportunity to engage in applied knowledge and understanding tasks to develop their early childhood development knowledge. The qualification is designed to be taken alongside A Levels as part of a study programme and can link to learning in A Levels in Sociology, Psychology, Biology and English. It is intended for students that wish to progress into higher education as a pathway to employment

Structure:

The following units will be completed

Unit 1 - Children's Development – externally assessed

Unit 2 - Keeping Children Safe – externally assessed

Unit 3 – Principles of health and care practice – Play and Learning – internally assessed

Unit 6 – Research and Reflective Practice in an Early Childhood Setting – internally assessed

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“What I love about Childcare is learning about how children develop and how the course prepares us for working in this sector.”

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Morecambe Bay Sixth Form Courses

English Language

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Ms S. Lumsden

Pathways post 18

The study of English Language at A Level is recognised as a valued academic qualification and can lead to a wide range of university study.

AQA English Language Course Content and Method of Assessment:

The subject content for A-level English Language is divided into three components:

1. **Language, the individual and society:** The aim of this part of the subject content is to introduce students to language study, exploring textual variety and children's language development. Assessment: 2.5 hours.
2. **Language diversity and change:** The aim of this area of study is to allow students to explore language diversity, as well its wider social, geographical and temporal context, and how English has changed over time. Assessment: 2.5 hours.
3. **Language in action:** This requires students to carry out two different kinds of individual research:
 - A language investigation (2,000 words excluding data).
 - A piece of original writing and commentary (750 words each).

Overview:

Why study English Language?

This course offers students the opportunity to develop their subject expertise by engaging creatively and critically with a wide range of texts and discourses. An A Level in English Language will enable you to get to know your mother tongue better, like the ways it adapts according to who one's audience is, in which context it is being spoken and the speaker or writer's intended meaning. Being able to understand these complexities as well as identify them correctly can help you to become a better overall communicator.

Structure:

The course is broken down into 3 clear units:

LANGUAGE, THE INDIVIDUAL AND SOCIETY: This unit deals with analysing meanings and representations in texts and exploring the processes children go through when learning how to communicate.

LANGUAGE DIVERSITY AND CHANGE: This unit deals with attitudes towards variety in language use and considers how gender, region and other social factors impact language use.

LANGUAGE IN ACTION: This is the coursework unit and allows students to write originally and creatively, as well as investigating an area of the English Language.

“

“A Level English is nothing like GCSE. I love learning about how males and females speak differently and how accents are an important part of your identity. This A Level has made me more aware of the underlying meaning behind words and how all people use language differently in everyday contexts.”

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Morecambe Bay

Sixth Form Courses

English Literature

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Ms S Lumsden

Pathways post 18

The study of English Literature at A Level is recognised as a valued academic qualification and can lead to a wide range of university study.

AQA English Literature B Course Content and Method of Assessment:

Aspects of tragedy

Study of three texts: one Shakespeare text; a second drama text and one further text, of which one must be written pre-1900.

- **Assessment:** written exam: 2 hours 30 minutes closed book

Elements of political and social protest writing:

Elements of political and social protest writing:

Study of three texts: one post-2000 prose text; one poetry and one further text, one of which must be written pre-1900.

Assessment: written exam: 3 hours.

Independent Study:

Study of two texts, one poetry and one prose text informed by the study of the critical anthology:

- Two conventional essays
- Internally assessed by teachers and moderated by AQA

Overview:

Why study English Literature?

The study of English Literature at A-Level Offers clear progression from GCSE, the course allows you to build on the skills and knowledge already gained. The course is 2 years long and consists of 3 clear modules.

Studying English Literature will encourage your interest and enjoyment of reading widely. As you progress through the course you will become a confident reader of wide range of texts.

You will learn to apply critical concepts to a range of texts using a wide range of new terminology. The variety of assessment styles used, such as passage-based questions, unseen material, single text questions, multiple text questions, open- and closed-book approaches, allows you to develop a wide range of skills, such as the ability to read critically, analyse, evaluate and undertake independent research which are valuable for both further study and future employment.

Structure:

The course is broken down into 3 clear units:

ASPECTS OF TRAGEDY: This unit involves the study of a range of texts including Tess of the D'Urbervilles, Othello, Death of a Salesman and a selection of poetry. The external exam is 2 hours and 30 minutes long and is worth 40% of your final qualification.

ELEMENTS OF POLITICAL AND SOCIAL PROTEST WRITING: This unit considers how writers may uphold or challenge prevailing ideologies and attitudes. As part of this unit we will look at a range of texts including Tony Harrison's poetry, The Kite Runner and A Doll's House.

NEA – INDEPENDENT STUDY: This is a coursework unit and encourages students to explore different critical approaches in response to texts of their choice (with staff guidance).



"What I love about literature is that every text has something to say about the world we live in."

Year 13 student



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Morecambe Bay Sixth Form Courses

Health and Social Care

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Mrs C Ralph

Pathways Post 18:

This course is designed for students wishing to gain employment in the health and social care sector, or progress to university to study a degree level on a wide range of vocational and academic courses relating to health and social care

Course Content and Method of Assessment:

Pearson BTEC: Level 3 National Extended Certificate in Health and Social Care

2 exams (40%)

2x coursework (60%)

Exam Board: Edexcel

Overview:

Why study Health and Social Care?

The Pearson Level 3 Alternative Academic Qualification BTEC National in Health and Social Care allows students to engage in a broad investigation of various aspects of the health and social care sector. There are two mandatory examined units, one mandatory internally assessed unit and one further optional unit. The assessed units give students the opportunity to engage in applied knowledge and understanding to develop their health and social care knowledge. The qualification is designed to be taken alongside A Levels as part of a study programme and can link to learning in A Levels such as Psychology, Biology English or Sport. It is intended for students that wish to progress into higher education or as a pathway to employment

Structure:

The following units will be completed

Unit 1 - Human Lifespan and Development – externally assessed

Unit 2 - Human Biology and Health - externally assessed

Unit 3 – Principles of Health and Care practice – internally assessed

Unit 6 – Safe Environments in Health and Social Care – internally assessed

“

“What I love about Health and Social Care is the wide range of topics that we cover and how it prepares us for working in this sector.”

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Morecambe Bay Sixth Form Courses

Information Technology

Minimum entry requirements:

Sixth form entry criteria

Head of Department:

Mrs K. Korab

Pathways post 18

The study of IT at KS5 relates directly to the skills and understanding needed for higher education or working within the IT industry. As the qualification is developed with employers the skills are valued and equip them in future employment and give students planning skills needed to work in teams within the IT industry.

AAQ in Information Technology (extended Certificate)

Content and Method of Assessment:

Information Technology Systems – Unit 1

You will explore the relationships between the hardware and software that form an IT system, how systems work individually and together, and the relationship between the user and the system. You will examine issues related to the use of IT systems and the impact that they have on organisations and individuals

Assessment: External - 2 hours

Cyber security and Incident Management – unit 2

You will examine the many types of cyber security attacks, the vulnerabilities in networked systems and the techniques that can be used to defend an organisation's networked systems. You will examine scenarios and explain appropriate protection measures for networked systems. You will also look at the forensic methods used to investigate cyber security incidents and analyse the suitability of those methods for a given scenario.

Assessment: External – 2 hours 15 mins

Website development – unit 3

You will explore how existing websites use the principles of website development to appeal to their intended audience and meet their specific purpose. You will plan, design and develop a website in response to a client brief by applying website development tools, techniques and processes. You will also reflect on the usability, functionality and fitness for purpose of the website using a testing and review process.

Assessment: Internal

Rational Database development – unit 4

You will examine the structure of data and how an efficient data design follows through into an effective, useful database. You will investigate database management systems (DBMS) and apply practical skills in designing and developing a database within a given DBMS. **Assessment: Internal**

Overview:

Why study IT?

This qualification is ideal for learners who have previously completed the I-Media course in KS4 and have a real interest in the digital industry and working within it. The course has a real mix of the theory behind the industry and the practical skills needed to operate in it.

The practical elements allow students to challenge themselves with being creative, solving problems and creating products that customers want.

This course is ideal for learners who are considering an IT career or looking at careers such as game production and media production.

Structure: The course is split in to 4 units:

Unit 1: Information Technology Systems

Students will study the role of Information Technology (IT) systems and the implications of their use in personal and professional situations

Unit 2: Cyber security and Incident management

Students will study cyber security threats and vulnerabilities, the methods used to protect organisations against threats and managing security incidents.

Unit 3: Website Development

Students will investigate fundamental principles in website development. They will design and develop a website in response to a client brief

Unit 4: Rational Database development

Students will examine relational database development principles to understand the importance of data storage and normalisation techniques and apply their skills to design and develop data storage solutions to meet a client's requirements.



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Morecambe Bay Sixth Form Courses

Mathematics

Minimum entry requirements:

Grade 6 or above in Maths

Head of Department:

Ms A Wilcock

Pathways post 18

This course is a highly valued A Level qualification, and it also gives you the building blocks for any further study in a course that depends heavily on mathematical ideas, for example Physics, Engineering, and of course Maths!

Edexcel Maths Course Content and Method of Assessment:

In Year 12, you will study the course content for AS level mathematics. This will cover Pure Mathematics and Applied Mathematics. The Applied Mathematics content is further split into 2 areas: Statistics and Mechanics. In Year 13, the course is structured in the same way, but the content covered will build on skills and knowledge learnt in Year 12 and prepare you for further study of Maths, or related courses, at university.

The course is assessed through 3 examinations at the end of Year 13. Each examination is 2 hours long and equate to one third of your final grade. Two papers cover the Pure Mathematics content; the third paper covers the Applied content and is split into 2 sections for Statistics and Mechanics. All examinations are calculator papers.

Students will be given the chance to get an AS grade in maths at the end of Y12. This will be assessed through two exam papers: 1 Pure and 1 Applied

Overview:

Why study Maths?

In this course you will develop your mathematical skills from GCSE, and will learn many new and powerful techniques that can be used in many other areas such as Science, Finance, and Computer Programming to name but a few.

You will meet calculus; a powerful technique that deals with how things change, and forms the basis of many "applied" topics, particularly the maths underlying Physics. You will also develop rigour through the concept of proof.

Applied Maths covers "real life" maths. In Mechanics you will study "physics" problems by using Newton's laws of motion. In Statistics you will recap ideas on handling data and probability from GCSE, and you will meet the very important concept of Hypothesis Testing and consider questions like: "Does the MMR vaccine cause autism?"

Structure:

Pure Maths:

In Year 12 you will study bridging material from GCSE to A Level study, and this will ensure that you are able use these ideas fluently before moving on to more advanced topics.

In Year 13 you will develop these ideas further and will develop the ideas of rigour and proof.

Applied Maths:

Although this is a separate module, the emphasis is placed on the application of Pure Maths techniques in the real world. The emphasis is on problem-solving, and how to model real life situations using mathematical models. We also consider the constraints of such models when compared to the real world.

“

"I strive on the challenge presented every day by A Level Maths. It has allowed me to develop my analytical skill set by teaching me to approach problems in a logical and methodical manner. What we learn in Maths also underpins most of the key principles from Science subjects and so combining these provides me with a broad understanding of a range of applications."

”



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Morecambe Bay Academy
Dallam Avenue, Morecambe, Lancashire, LA4 5BG

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Email: reception@morecambebayacademy.co.uk
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Morecambe Bay Sixth Form Courses

Performing Arts

Minimum entry requirements:

Standard 6th form entry requirements
Experience of a Creative Arts would be desirable

Head of Department:

Mrs. Baines/Mrs. Dalglish/Mr P Casson

Pathways post 18

Students will have the equivalent of 1 A Level UCAS credits that can contribute towards achieving a place on a University Performing Arts Degree qualification. Many students also choose to audition for Professional Performing Art Schools/Companies and this qualification is also well recognised by all establishments.

OCR Cambridge Technical Level 3 Extended Certificate- Performing Arts

The OCR Cambridge Technical Level 3 Extended Certificate Performing Arts covers various aspects of the performing arts industry over 5 units. Students will study all the artforms across the 2 years. Over the 2 years students will explore the industry of performing arts researching the various career opportunities for them in order to prepare them for the industry. Unit 2 gives the students a chance to demonstrate their creativity by planning and developing a project towards a brief. Another aspect of the course allows the students to develop their understanding of the history of their artform and develop performance to show the influential people who have developed the genre into today's society. The final mandatory unit will allow students to understand the ways in which all artforms work together to create performance and they will then put these skills into practice to create a multi artform piece. All units are coursework based and the final assessed unit is a practical performance whereby students will design and create performance material in their own personal chosen art form to a brief set by OCR.

Optional Units we will study: Performance in your chosen genre

Controlled Assessed Unit: 1,2 and 3

Overview:

Why study Performing Arts?

OCR Cambridge Extended Certificate in Performing Arts is a dynamic qualification which encourages students to develop their creative and intellectual capacity, alongside transferable skills such as team working, communication and problem solving. This course is vocational and reflects both historical and current practices, making it relevant, and inspiring a lifelong passion for performing arts. The units allow exploration of the industry and gives opportunities to reflect on their own skills and explore methods in developing themselves over the two years.

Structure:

Students study 4 mandatory units and one optional unit. All students will generally complete 2 x theory and 2xpractical sessions a week.

Unit 1: Working in the performing arts

Unit 2: Proposal for a commissioning brief

Unit 3: Influential performance practice

Unit 4: Combined Arts

The students will complete 3 units in Year 12 and 2 further units in Year 13. The course will be taught by a range of specialist staff.

“

“Performing Arts has the power to transform, to illuminate, to educate, inspire and motivate.”

”



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Morecambe Bay Sixth Form Courses

Photography

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Miss C Simpson

Pathways post 18

It will be an advantage to have photography A Level for all practical degree courses will require it e.g. ceramics, furniture design, fashion, theatre design, graphic design, fine art, medical illustration, illustration, etc. Photography is also desirable for cultural studies courses, art history, computer design, media film and advertising etc. Any employer looking for someone with good presentation skills, and the ability to analyse, research and communicate ideas and think creatively would value a candidate with A Level Photography.

AQA Art and Design Photography Course Content and Method of Assessment:

Areas of study

You are required to work in one or more area(s) of photography, such as those listed below. You may explore overlapping areas and combinations of areas:

- portraiture
- landscape photography (working from the urban, rural and/or coastal environment)
- still life photography (working from objects or from the natural world)
- documentary photography, photojournalism

Skills and techniques

You will be expected to demonstrate skills, in all of the following:

Why study Photography?ments of visual language, line, form, colour, pattern and texture in the context of photography

- awareness of intended audience or purpose for their chosen area(s) of photography
- the ability to respond to an issue, theme, concept or idea, or work to a brief or answer a need in photography
- appreciation of viewpoint, composition, aperture, depth of field, shutter speed and movement
- appropriate use of the camera, film, lenses, filters and lighting for work in their chosen area(s) of photography
- understanding of techniques related to the production of photographic images and, where appropriate, presentation and layout.

Overview:

Why study Photography?

You will be introduced to a variety of experiences that explore a range of photographic media, techniques and processes.

You will use sketchbooks to underpin your work where appropriate. You may wish to develop your drawing skills in order to produce storyboards, thumbnail sketches and/or diagrams, where appropriate.

You will use digital techniques to produce images.

You will be taught how to evidence the four assessment objectives to be demonstrated in the context of the content and skills presented and of the importance of process as well as product.

Structure:

This course is broken down into two clear component parts the Personal Investigation and the Externally Set Assignment.

Component 1: The Personal Investigation:

This unit is made up of an extended practical project on a theme of your choice with a written element of between 1000-3000 words to support it.

Component 2: The Externally Set Assignment:

You will be given a paper in which you can select one theme and complete your own response from this. There will be a 15 Hour controlled assessment at the end of this project where you need to produce a piece of work under exam conditions.



"Photography is the only language that can be understood anywhere in the world"

Bruno Barbey



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Morecambe Bay Sixth Form Courses

Psychology

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Mrs Lyndsay Cummings (Acting)

Pathways post 18

An A level in Psychology is a massive advantage in life as it allows for a deeper understanding of behaviour. It leads into further study in a plethora of areas such as social work, criminology, sport and education where students will find numerous post graduate employment opportunities.

Course Content and Method of Assessment:

Paper 1: Introductory Topics in Psychology- Social influence, Memory, Attachment, Clinical Psychology and Mental Health

written exam: 2 hours, 96 marks in total 33.3% of A-level

Paper 2: Psychology in context- Approaches in Psychology, Biopsychology, Research methods, Issues and debates in Psychology

written exam: 2 hours- 96 marks in total-33.3% of A-level

Paper 3: Issues and Options in Psychology

Relationships, Eating Behaviours and Forensic Psychology

Written exam: 2 hours- 96 marks in total- 33.3% of A-level

Overview:

Why study A Level Psychology?

The A level Psychology specification reflects the demands of a truly modern and evolving environment. The qualification enables you to apply yourself and gives you the skills to succeed in your chosen pathway, whether it is psychology specific or not. This course will give you the opportunity to learn about the world of Psychology and all related specialisms. You will be given the opportunity to develop your research and investigation skills. If you enjoy keeping up to date with modern issues, critically examining the reasons for behaviour, understanding the nature and extent of mental afflictions, exploring the effectiveness of treating mental disorders, working strategically and making decisions, communicating and explaining your ideas, independent thinking, reflective learning and problem solving, this course is for you.

Structure:

Component 1

Memory- You will study; The multi-store model of memory: Types of long-term memory and Factors affecting the accuracy of eyewitness testimony. **Social Influence-** Types of conformity: Conformity to social roles as investigated by Zimbardo.

Attachment- Caregiver-infant interactions in humans: Animal studies of attachment. The influence of early attachment on childhood and adult relationships. You will also cover **Psychopathology** including the definitions of brain abnormality.

Component 2

You will study the different approaches to psychology (**behavioural, psychodynamic, biological, cognitive and biological**). You will be able to describe the assumptions for each approach as well as being able to identify strengths and weaknesses and compare with other approaches. You will also study **biopsychology** including the divisions of the nervous system and the fight or flight response. You will also study **research methods** and be able to demonstrate knowledge and understanding of scientific processes and techniques of data handling and analysis, be familiar with their use and be aware of their strengths and limitations.

Component 3

In this Unit you will study **three issues and debates in Psychology**.

Relationships, including physical attractiveness and equity theory

Eating Behaviours, including Psychological explanations for anorexia nervosa

Forensic Psychology which includes, Offender profiling: the top-down approach, including organised and disorganised types of offender.

Psychology has been very enjoyable and informative. It has been really interesting learning about the different approaches to psychology and comparing them. It is easy to apply therapies to real life situations and the optional topics stimulate great discussions.' Year 12 student



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Morecambe Bay Sixth Form Courses

Sociology

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Mr P Casson

Pathways post 18

You could follow a degree in sociology, social work, law, teaching, advertising, criminology or go into police work, human resources, the care sector or youth work.

EDUQAS Sociology A level

Course Content and Method of Assessment:

Component 1: Section A - Culture, Socialisation and Identity, Section B - Families and Households, Section C - Education

Assessment: Written Exam: 2 hours 30 minutes.

Component 2: Research Methods

Assessment: Written exam: 1 hour 45 minutes

Component 3: Section A - Social Inequality, Section B - Crime and Deviance

Assessment: Written exam: 2 hours 30 minutes

Within each course component you will study a range of topics looking closely at the research and statistics behind the sociological theories and thinking which underpin each one.

Overview:

Why study Sociology?

Sociology is a fascinating subject which looks at the big questions like, 'what causes criminal behaviour?' 'why is there inequality in the world?' and 'what are the things that define us as people?'

Sociology is the study of groups, or societies, and it helps us to understand the very things which influence our whole world.

Sociology will teach you how to analyse data critically and make judgements based on research.

You will also learn how the work of sociologists has helped to shape the laws of our country and you will develop analytical skills which allow you to compare and evaluate a wide range of sociological theories that have shaped the whole world.

Structure:

The course is broken down into 3 components:

Each component covers a broad range of sociological topics including:

Component 1: Norms and Values, Disability, Identity, Feminism, Family Diversity, Relationships Between Parents and Children, The Role of Education, Impact of Educational Policies on Equality.

Component 2: Research Methods, Research Design.

Component 3: Age Inequality, Class Inequality, Gender Inequality, Crime Statistics, Theories of Crime, Green Crime, Corporate Crime, the Role of the Criminal Justice System.

“

"Sociology is a fascinating subject, which holds the power to change the way that we view society."

Current Year 13 Student

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Morecambe Bay Sixth Form Courses

Level 3 Diploma / Ex Certificate in Sport and Physical Activity

Minimum entry requirements:

Morecambe Bay Academy entry criteria

Head of Department:

Mr M Squires

Pathways post 18

This course is a valued academic qualification and can lead to a wide range of university study, apprenticeship and employment opportunities. Especially if you are interested in careers in sports development, competition manager, sports coaching, physiotherapy, teaching, sports management, sports journalism, fitness instructing, working in a leisure centre or lifeguarding.

OCR Cambridge Technical Level 3 Diploma / Ext Certificate in Sport and Physical Activity Course Content and Method of Assessment:

Externally examined units (with a possibility of a resit, if required):

Unit 1: Body Systems & the Effects of Physical Activity - 1hr 30min external exam, multiple choice questions, short answer questions and questions requiring more extended responses. (Diploma / Ex Cert)

Unit 3: Sports Organisation & Development - 1hr external exam comprises short answer questions and questions requiring more extended responses (Diploma / Ex Cert)

Unit 4: Working Safely in Sport, Exercise, Health & Leisure - 1hr external exam, short answer questions and questions requiring more extended responses (Diploma only)

Internally assessed units, using a variety of methods and externally moderated by OCR:

Unit 2: Sports Coaching & Activity Leadership (Diploma / Ex Cert)

Unit 5: Performance Analysis in Sport & Exercise (Diploma)

Unit 8: Organisation of Sports Events (Diploma / Ex Cert)

Unit 11: Physical Activity for Specific Groups (Diploma)

Unit 13: Health & Fitness Testing for Sport & Exercise (Diploma)

Unit 17: Sports Injuries and Rehabilitation (Diploma / Ex Cert)

Unit 18 Practical Skills in Sport (Diploma)

Unit 19: Sport & Exercise Psychology (Diploma / Ex Cert)

Overview:

Why study a Cambridge Technical Level 3 Diploma in Sport and Physical Activity?

This is a course for those pupils who love and have a passion for sport. It will give you an understanding of sport in the wider contexts of coaching, anatomy and physiology, the structure of sport in the UK and the organisations involved, the effects of physical activity on the body and safe practice in sport and leisure. You also will develop transferable skills such as planning, communication, adaptability and leadership.

Structure:

There are 2 possible routes on this course, both lasting two years.

The Diploma is worth the equivalent of two A-Levels and is in 2 option blocks.

Whereas the Ext Certificate is equivalent to one A-Level and in 1 option block.

You will study a range of topic areas. You will be required to participate practically, as well as research and complete written assignments. Employer engagement for each unit links in real life examples of how the course criteria is relevant.

Each unit is graded PASS, MERIT or DISTINCTION.

“

“OCR Cambridge Technical Level 3 Diploma in Sport and Physical Activity allows me to learn about all the aspects of sport, developing my passion of the subject further, in an engaging and practical environment.”

Year 12 Student

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