

# CARRICKFERGUS LEARNING COMMUNITY



**CLC**

**Subject Choices Booklet  
2023— 2025**



# Carrickfergus Learning Community - C.L.C.

## *What's on offer*

The post-primary schools in Carrickfergus collaborate to widen the choice of subjects available for sixth form pupils to study by offering students from the other schools specific courses subject to availability. All courses are CCEA unless otherwise stated

At **Carrickfergus Academy, Senior Site**, Students may study:

- English Literature (AS/A2) Page 4
- ICT (CTEC Level 3 Introductory Diploma) Page 5
- Media Studies (WJEC AS/A2) Page 6
- Religious Studies (AS/A2) Page 7
- Sport (BTEC Level 3 National Extended Certificate) Page 8
- Technology & Design Product Design (Eduqas) Page 9
- Tourism (WJEC Eduqas-Level 3 Applied Diploma) Page 10

At **Carrickfergus Grammar School** Students may study:

- Accounting (AQA A2) Page 14
- Biology (AS/A2) Page 15
- Chemistry (AS/A2) Page 16
- Geography (AS/A2)(*classes shared with Academy*) Page 17
- Government & Politics (AS/A2) Page 18
- Mathematics (AS/A2) Page 19
- Nutrition and Food Science (AS/A2) Page 20
- Physics (AS/A2) Page 21

At **Ulidia Integrated College** Students may study:

- Business (CTEC Level 3 Extended Certificate) Page 22
- Health & Social Care (AS/A2) Page 23
- Photography (AQA A2) Page 24
- Performing Arts (BTEC Level 3 Nat Ext Certificate) Page 25

***NB*** All information about courses available in the Carrickfergus Learning Community is correct at the time of printing. Students should be aware that there may be unavoidable changes at a later date.

**Year 13 study is made of up of two units of work****Unit 1 – The Study of Poetry 1900-Present and Drama 1900-present****Section A - The Study of Poetry 1900-present**

Chosen Poets: Elizabeth Jennings/ Philip Larkin  
 Assessment: External examination (Open book)  
 Weighting: 12% A level

**Section B – The Study of Drama 1900-present**

Chosen Text: Arthur Miller's *The Crucible*  
 Assessment: External examination (Closed book)  
 Weighting: 12% A level

**Unit 2 - The Study of Prose Pre 1900**

Chosen Text: Mary Shelley's *Frankenstein*  
 Assessment: External examination (Closed book)  
 Weighting: 16% A level

**Year 14 study is made of up of three further units of work****Unit 1 – Shakespearean Genres**

Chosen Text: *Othello*  
 Assessment: External examination (Closed book)  
 Weighting: 20% A level

**Unit 2 – The Study of Poetry Pre 1900 and Unseen Poetry****Section A - The Study of Poetry Pre 1900**

Chosen Texts: Blake's *Songs of Innocence* and *Songs of Experience*  
 Assessment: External examination (Closed book)  
 Weighting: 10% A level

**Section B – Unseen Poetry**

Assessment: Extract-based question  
 Weighting: 10% A level

**Unit 3 – Internal Assessment**

Chosen Texts: Margaret Atwood's *The Handmaid's Tale* and Kazuo Ishiguro's *Never Let Me Go*  
 Assessment: Internal Assessment: 2500 words  
 Weighting: 20% A level

It is expected that students who chose to study this course will have achieved at least a grade C in GCSE English. Candidates should also preferably have attained a Grade C or above in GCSE English Literature but this is NOT compulsory.  
 Careers: Teaching, writing, journalism, public relations, marketing, media, acting, broadcasting, law etc.

*Examining Board:* OCR

*Length of Course:* 2 years

*Specification:* **Cambridge Technical in IT Introductory Diploma (Level 3)**

Pupils are assessed in 6 coursework units. It is recommended that pupils have studied ICT at GCSE if considering this course. Due to the coursework-based nature of the course it is recommended pupils have at least a C in English to enable them to gain a good grade for their written communication skills. The course is recognised by both Queen's University Belfast and University of Ulster for ICT-based degrees.

### **Course Content**

#### **Year 13**

##### **Unit 1 – Communication and Employability Skills for IT**

This unit will enable you to create ICT documents for certain audiences. It will also allow you to learn about different personal skills that are essential within the ICT Industry. You will then learn about the different methods of ICT communication and be able to demonstrate ICT skills.

##### **Unit 2 – Information Systems**

This unit allows the student to demonstrate the information organisations hold and how this is valuable to an organisation. It will help the student understand the legislation governing information which goes in and out of an organisation and the constraints and limitations that apply to it. Students will discover that if systems are in place, and information held is correct, then the communication within the organisation is a powerful tool and can give any organisation a competitive edge with the use of management information systems.

##### **Unit 27 – Digital Graphics**

This unit helps students learn advanced skills in Photoshop, skills that are used in the graphic design industry. Students will complete 4 mini Photoshop tasks demonstrating a range of skills, and then complete a major task—planning, designing and evaluating a variety of graphic design products for a given scenario. In addition, students will learn the theory behind this area of ICT, including the hardware and software used in graphic design and the properties of various file formats and print mediums.

#### **Year 14**

##### **Unit 12 – Website Production**

This unit will prepare students to design, create and test a fully functioning professional website, that uses a range of advanced and dynamic features. It also provides essential knowledge on the architecture, design and security issues that need to be considered when creating websites.

Pupils use WordPress to create their websites, equipping them with skills that can be used in industry.

##### **Unit 19 – Spreadsheet Modelling**

The aim of this unit is to help students understand how spreadsheets can be used to solve complex problems. Students will learn how to create a complex spreadsheet model and to use a range of formulae and functions. They will also learn how to automate and customise their spreadsheet models, the importance of testing spreadsheets for functionality and produce relevant documentation to support the spreadsheet.

##### **Unit 43 – Understanding Social Media for Business**

This unit gives students the understanding of what social media is, the scope and impact it has, how it is evolving and the opportunities these platforms provide to businesses when promoting themselves or utilising consumer information. By reviewing business practice, students will be able to identify how to improve service and customer delivery, raise awareness of business and products/services and improve market intelligence to develop a competitive advantage.

**Careers:** Today nearly every job requires ICT skills. People without ICT skills may find getting employed more challenging. The following are a selection of careers that are possible by studying this specification: Web Designer, Graphic Designer, UI Designer, ICT Technician, Product Designer, ICT Support, Illustrator, Business Analyst, Financial Analyst, Project Manager, Digital Marketing Executive, Social Media and Digital Content Officer, Social Media Manager, Digital Media Assistant etc..

**Available to study at Carrickfergus Academy—Senior Site**

*Examining Board : WJEC*

*Length of Course: 1/2 years*

This specification is divided into a total of 6 components, 3 AS and 3 A2. Weightings noted are expressed in terms of the full A level qualification (AS is in brackets).

### **About the course:**

This course offers candidates a framework through which they can study the distinctive contributions which the mass media make to their understanding and enjoyment of the world in which they live. Through a variety of approaches to the changing media environment students will develop a critical and analytical approach to the range of media texts as well as the media institutions which create and circulate them. Candidates will further explore the kinds of relationships the texts propose with audiences through a range of research, pre-production and production activities.

#### **Components studied in Year 1 – AS Level**

- 1. Investigating the Media - 35% External Exam**
- 2. Investigating Media Forms and Products - 35% External Exam**
- 3. Media Production—30% Coursework**

#### **Components studied in Year 2 – A2 Level**

- 1. Media Products, Industries and Audiences—35% External Exam**
- 2. Media Forms and Products in Depth—35% External Exam**
- 3. Cross-Media Production—30% Coursework**

### **Entry requirements:**

At least 5 GCSEs grade C or above (one of which must be English). GCSE Media Studies is desirable but **NOT** compulsory. Students will also be expected to have competent ICT skills, particularly in Photoshop, and a keen interest in film, television, radio, print -based media and digital technology.

**Future career opportunities** can lie in advertising, marketing, journalism, media consultancy, research, sound recording, video/film editing, TV presenting and photo journalism amongst many others.

**Available to study at Carrickfergus Academy—Senior Site**

YEAR	MODULE	FOCUS	NATURE OF ASSESSMENT	ASSESSMENT WEIGHTING
<b>Year 13 AS</b>	AS 2	<b>An Introduction to the Acts of the Apostles</b> This module includes a study of the background to Acts, the beginnings of the Christian Church, Growth and expansion of early Christianity as well as a study of Paul the apostle and the broader themes of faith and witness in Acts	1hr 20 min External Exam	20% of A Level
	AS 4	<b>The Christian Church in the Roman Empire: Beginnings, Expansion and External Pressure</b> A study of the expansion of Christianity, Church organisation and Government, Persecution of the early believers, Emperor Constantine (The first Christian Emperor) and some early Christian thought (including Clement, Ignatius and Justin Martyr).	1hr 20 min External Exam	20% of A Level
<b>Year 14 A2</b>	A2 2	<b>A Study of Acts, Galatians and 1 Corinthians and Ephesians</b> Paul's letter to the Galatians, 1 Corinthians and Ephesians There will also be a section of Paul's understanding of the Resurrection.	2 hour External Exam	30% of A Level
	A2 4	<b>The Continued Development of the Christian Church in The Roman Empire to 325AD</b> A study of Church life and worship (i.e. Baptism and the Eucharist), heresy and schism, definition of the Christian faith, key Christian writers and the meeting of the Council of Nicaea.  There will be a synoptic element as part of both A2 modules	2 hour External Exam	30% of A Level

It is advisable that students have achieved a grade 'B' in English, and a related subject such as GCSE History , English Literature or R.E.

**BTEC Level 3 National Extended Certificate in Sport****About the course**

Sport is a vocational qualification which aims to provide students with the opportunity to access a career in the sport, health or leisure industries. Assessments are 66% exam and 33% coursework based, and requires learners to engage in regular practicals involving coaching and participation. Assessments will be on a continual basis throughout both years of study. The course builds on topics studied at GCSE level and it will be of advantage to students to have this knowledge and background. It is not, however a condition that students should have followed a course in GCSE PE / BTEC Sport as this course is designed to attract people who generally have a keen interest in physical activity and sport.

Students will:

- be expected to become actively involved in Sports coaching, assisting with sports activities within the Carrickfergus community.
- have the opportunity to work along side PE teachers, gaining experience in the care of children and young people
- gain an extensive knowledge in the areas of Anatomy, Physiology, Nutrition and coaching
- become actively involved in producing healthy lifestyle plans including exercise and nutrition programmes
- become involved in the preparation of sports teams, understanding the importance of both physical and mental aspects of their performance.

Unit	Weighting
Unit 1: Anatomy & Physiology ( <b>EXAM</b> )	33%
Unit 2: Fitness training & programming for Health, Sport & Well-Being ( <b>Pre release Exam</b> )	33%
Unit 4: Sports Leadership	11%
Unit 3: Professional development in the sports industry	11%
Unit 5: Application of Fitness Testing	11%
*PE Primary Programme where they will design and teach PE lessons to P7 pupils from feeder Primary Schools.	Optional

The BTEC Extended Certificate in Sport consists of 7 units taught over 2 years.

\*This is an optional unit for students. While this won't contribute to their overall course grade, it does provide valuable work experience and teaching / coaching experience for those who wish to go onto following these fields of work.

**Entry requirements:** Due to the written portfolio nature of this course, Sports Studies students should have a grade C or above in GCSE English or equivalent. Students should also either have a grade C or above in GCSE Physical Education or a Merit in BTEC Sport Studies. In the absence of studying GCSE PE or BTEC Sport Studies, students should have achieved a GCSE Science qualification grade C or above and be a participating member of a sports club. Enhanced criteria may be applied in the event of this course being oversubscribed.

**Career Pathways** Areas of specialisation for BTEC Sport Studies students include such careers as PE Teacher / Primary teacher, Coaching, Fitness Instructor, Sports Development Officer Outdoor Adventure leader, PT in the Armed Forces, Physiotherapy, Nursing, Physical Activity Instructor and Health Promotion Specialist.

**Available to study at Carrickfergus Academy—Senior Site**



# TECHNOLOGY & DESIGN - 'PRODUCT DESIGN' A LEVEL

Examining board: **EDUQAS**

Length of course: **2 years**

A course in Design and Technology offers an unique opportunity in the Curriculum for Candidates to identify and solve real problems by designing and making products in a wide range of contexts relating to their personal interests. Design and Technology develops candidates interdisciplinary skills and their capacity for imaginative, innovative thinking, creativity and independence.

## **Component 1: Design and Technology in the 21st Century**

### **Written examination: 3 hours = 50% of qualification**

Learners take a single examination in the following endorsed areas: Product Design  
The examination includes a mix of structured and extended writing questions assessing learners' knowledge and understanding of:

- Technical principles
- Designing and making principles

along with their ability to:

- analyse and evaluate wider issues in design and technology.

## **Component 2: Design and Make Project**

### **Non-exam assessment: approx. 80 hours = 50% of qualification**

A sustained design and make project, based on a brief developed by the candidate, assessing the candidate's ability to:

- Identify, investigate and outline design possibilities
- Design and make prototypes
- Analyse and evaluate design decisions and outcomes, including for prototypes made by themselves and others.

The design and make project will be based within the same endorsed area as the written examination.

### **Grade B gained in Product Design GCSE is a basic subject requirement.**

Attendance after school and non-contact time will be a pupil obligation due to the coursework aspects of this subject.

*If the course is oversubscribed, we will look at the highest graded candidates applying and consult with the Head of Technology.*

**Careers** – being a STEM subject Product Design will provide limitless opportunities for you in today's innovative world, the areas of Design and CAD/CAM are used throughout all industries and the business world.

**Available to study at Carrickfergus Academy—Senior Site**

No prior study of Travel and Tourism is required for this qualification, although a minimum of a grade C in GCSE English would be beneficial in coping with the demands of the specification.

### **Course Content Year 1**

#### **Unit 1—The United Kingdom Tourism Product**

The aim of this unit is for learners to:

- Understand what the UK offers to inbound and domestic tourists
- Appreciate the range of employment opportunities available in the tourism industry.

**Assessment** — External Assessment 1 hour 30 mins

#### **Unit 2—Worldwide Tourism Destinations**

The aim of this unit is for learners to understand that:

- All destinations have a range of attractions and facilities
- Destinations acquire an image and reputation that affects the types of tourists to whom they appeal.

**Assessment** — Internal Assessment and External Moderation.

All assessments must be conducted under controlled assessment conditions.

### **Course Content Year 2**

#### **Unit 3—The Dynamic Tourism Industry**

The aim of this unit is for learners to understand that:

- Tourism is an ever-changing industry which has to adapt quickly to external pressures and changes in society at the national and global scale.

**Assessment** — External Assessment 1hr 30 mins

#### **Unit 4—Event and Itinerary Planning**

The aim of this unit is for learners to:

- Understand the process of event management and the nature of tour itineraries within the UK.

**Assessment** — Internal Assessment and External Moderation.

All assessments must be conducted under controlled assessment conditions.

#### **Future Careers**

Here are just some future careers using Travel and Tourism: Air Cabin Crew, Cruise Ship Rep, Holiday Rep, Tour Guide, Travel Agent, Tourism Officer/Manager, Careers in Museums/Art Galleries, Careers in Historical Buildings/Monuments, Theatre/Cinema Administration/Management, Outdoor Pursuits Manager, Leisure Club Manager, Tour Operator, Theme Park Manager, Entertainment Manager, Club Manager, Youth and Community Worker.



## Studying AS Courses in Carrickfergus Grammar School OVERVIEW

The table below shows the entrance requirements (based on GCSE results) that must be satisfied before any subject is studied at A level at Carrickfergus Grammar School.

Subject	Entrance Criteria (based on GCSE Performance)
Accounting	B or better in GCSE Mathematics
Biology	B or better in GCSE Biology
Chemistry	A or better in GCSE Chemistry
Geography*	B or better in GCSE Geography B or better in GCSE English Language
Government & Politics*	B or better in GCSE History B or better in GCSE English Language
Mathematics	B or better in GCSE Further Mathematics/A or better in GCSE Mathematics M4/M8 combination of papers if Further Mathematics has not been studied.
Nutrition and Food Science	B or better in GCSE in HE: Nutrition and Food Science
Physics	A or better in GCSE Physics

\*Subjects which are asterisked are subjects which can be taken up at A level, without first having been studied at GCSE. If you have studied the subject at GCSE level, you should have received at least a B grade in it. If you have not studied it at GCSE level, you should have received at least a B grade in the stated allied subject.

### **A level Sciences**

For those students who have studied GCSE Double Award Science—At AS Level, Science is studied as 3 separate subjects: Biology, Chemistry and Physics. Choosing and being accepted for an AS Science class will be limited to those pupils who achieved an AB or better, with an A in Double Award Science in their subject of choice for A level.

Those studying GCSE Single Award Science will not have the option to study a Science at A level.

## **The following additional details apply to entry to AS Classes in September 2022**

### **Class Size**

1. AS/A Level classes will usually be no larger than 22 pupils. If a class is oversubscribed, pupils will be chosen on the basis of their GCSE performance in that subject or, if not studied at GCSE, performance in allied subject (s) as listed on page 12.  
In each subject, if a tie exists after relevant criteria are employed, pupils with the highest % attendance in Year 12 will be admitted before those with lower and in the exceptionally unlikely event that a tie still exists, random selection will be employed through a randomised number generator.
2. If a class is undersubscribed it may not be offered.

### **Moving on to A2 Courses for Year 14**

**AS results mark the end of Year 13 studies after which most students will have two options: -**

- 1. Leave school with their AS grades**
- 2. Continue to A2 if the AS grades are appropriate**

Any pupil with **less than the equivalent of 3 'D' grades** will not be permitted to continue without being interviewed. The purpose of such interviews will be to ascertain the appropriate next steps. Continuing to study a subject in which an 'E' grade (or below) has been achieved may not be permitted. Relevant decisions will be confirmed during interviews with staff in mid-August after the results are available.

Examining Board: **AQA**

Length of Course: **2 Years**

## Overview

"Money makes the world go round"... Even the best business ideas get nowhere without sound financial management. So whether you want to work for big business, be the next Richard Branson or have your own small business, a knowledge of financial management is vital.

This Accounting course equips you with the necessary knowledge and skills to be able to assess the performance of all types of business organisations. It will enable you to effectively analyse and evaluate financial data so that you can make judgements, decisions and recommendations about how businesses can manage their financial affairs.

NOTE... the Accounting course is LINEAR – this means it is a 2 year course with no externally assessed AS exam. Only the 2 exams at the end of Year 14 contribute towards the A-level result. However, a school produced grade will still be awarded solely to determine the suitability of continuing to A2 study in Accounting. This grade will be based on an **internally assessed** Accounting paper during the summer exam period (May/June)

### Year 13

- |  |   |
|--|---|
| 1. An introduction to the role of the accountant | 6. Financial statements of sole traders |
| 2. Types of business organisation                | 7. Limited company accounts             |
| 3. Double entry bookkeeping                      | 8. Ratio analysis                       |
| 4. Verification of accounting records            | 9. Budgeting                            |
| 5. Accounting concepts                           | 10. Marginal costing                    |

Whilst the Accounting course is now LINEAR, you will still sit an 'AS' exam at the end of Year 13. This is to give you experience of an A-level Accounting examination, and it will also allow us to ensure that those progressing to A2 study are capable of doing so.  
1 written paper: 3 hours / 0% of A level

### Year 14

- |  |  |
|--|--|
| 11. Standard costing and variance analysis | 15. Partnership accounts   |
| 12. Absorption and activity based costing  | 16. Accounting for limited companies                                     |
| 13. Capital investment appraisal           | 17. Interpretation, analysis and communication of accounting information |
| 14. Incomplete records                     | 18. The impact of ethical considerations                                 |

**2** written examinations—each paper is 3 hours and worth 50% of the A level. There is no coursework in this subject.

**Careers:** If you are focused on further study or a career in accounting, finance, business or banking this course is a great choice. But even if you plan on becoming a professional musician or technical wizard, it's good to know about accounting. That way you'll be able to control your own finances and understand the implications of business propositions.

**Available to study at Carrickfergus Grammar School**

Examining Board: **CCEA**

Length of Course: **1/2 years**

## Overview

This Biology specification enables pupils to study living organisms, including their structure, functioning, origin, evolution, classification, interrelationships and distribution. Pupils will also address the spiritual, moral, ethical, environmental, social and cultural issues which arise from this study and which are met in certain parts of the specification.

Pupils will develop skills in investigational and practical problem solving, in application of number, in team work, in interpreting data, in using ICT and in communication.

Content	Assessment	Weightings
AS 1: Molecules & Cells	External written examination 1hr 30mins Answer 6-8 structured questions and write an essay	37.5% of AS 15% of A level
AS 2: Organisms & Biodiversity	External written examination 1hr 30mins Answer 6-8 structured questions and write an essay	37.5% of AS 15% of A level
AS 3: Practical Skills in AS Biology	External written examination assessing practical skills 1hr and internal practical assessment	25% of AS 10% of A level
A2 1: Physiology, Coordination and Control and Ecosystems	External written examination 1hr 15mins Answer 6-9 structured questions and write an essay	24% of A level
A2 2: Biochemistry, Genetics and Evolutionary Trends	External written examination 1hr 15mins Answer 6-9 structured questions and write an essay	24% of A level
A2 3: Practical Skills in Biology	External written examination assessing practical skills 1hr 15min and internal practical assessment	12% of A level

Careers: This subject allows pupils to obtain a prerequisite qualification to gain entry to Higher Education in the field of Biology, or prepare for direct employment in the fields of science, engineering, medicine, communication, education etc.

# CHEMISTRY

AS/A2

Examining Board: **CCEA**

Length of Course: **1/2Years**

A GCE in Chemistry allows you to develop a range of generic skills requested by both employers and universities. It is a challenging subject because it involves a lot of abstract concepts. To solve many problems in Chemistry these concepts have to be understood and linked together in a particular order. This is a skill that you have to learn and develop and for this reason A level Chemistry is quite different to GCSE Chemistry.

Chemistry is taught in a logical sequence of topics. The table below summarises the teaching units, assessment method and weighting.

Unit number	Description	Duration	AS	A2
<b>Unit AS 1</b> Basic Concepts in Physical and Inorganic Chemistry	Written paper	1 hour 30 min	35%	17.5%
<b>Unit AS 2</b> Further Physical and Inorganic Chemistry and Introduction to Organic Chemistry	Written paper	1 hour 30 min	35%	17.5%
<b>Unit AS 3</b> Practical Assessment	Practical booklet A Practical booklet B	1 hour 1 hour 30 min	30%	15%
<b>Unit A2 1</b> Periodic Trends and Further Organic, Physical and	Written paper	2 hour s	40%	20%
<b>Unit A2 2</b> Analytical, Transition Metals, Electrochemistry and Further Organic Chemistry	Written paper	2 hours	40%	20%
<b>Unit A2 3</b> Practical Assessment	Practical Exam 2 hours 30 min		20%	10%

If you would like to study Chemistry you need to be willing to learn new skills and new ways of thinking. It is vital that you have the determination to succeed and have the desire for academic success.

**Careers:** Chemistry, Environmental Law, Patent Law, Pharmaceuticals, Software design, Space Exploration, Forensic Science, Military Systems, Dentistry, Engineering, Teaching, Research and Development, Biotechnology.

**Available to study at Carrickfergus Grammar School**



# GEOGRAPHY

Examining Board: **CCEA**

**AS/A2**

Length of Course: **1/2**

**years**

## Overview

By studying GCE Geography you will learn about geographical concepts and processes, interactions between people and their environment, the challenges of sustainability and the importance of attitudes and values. You will then be able to relate what you have studied to the world around you.

The AS course can be taken as a final qualification or as the first half of the A Level qualification. If you wish to obtain a full A Level qualification, you must complete the second half of the course referred to as A2.

## What do I need to be able to take this course?

You should have successfully completed GCSE Geography at Higher Tier before enrolling for this course.

## Course Structure

60% of this course is taught at CGS and 40% at CA. Currently this equates to one morning session a week at CA with the remaining time in CGS.

## AS UNITS:

**AS 1: Physical Geography**

1hr 15min Examination

**AS 2: Human Geography**

1hr 15min Examination

**AS 3: Fieldwork Skills and Techniques  
in Geography**

1hr Examination

## A2 UNITS

**A2 1: Physical Processes, Landforms  
& Management**

1hr 30mins Examination

**A2 2: Processes and Issues in Human  
Geography**

1hr 30mins Examination

## How can this course help me?

This course can help you to develop a wide range of skills that are attractive to employers. For example, it can help to develop your skills in investigating, collating and evaluating information and being able to contribute to important debates on the current issues facing our world today. You may just wish to study Geography for your own personal interest, but if you wish to continue the study of Geography at degree level, you will need to complete the full A Level course.

## Careers

Many Geography students go on to have successful and interesting careers such as

Civil Engineering, Urban Planners, cartographers, GIS specialists, Climatologists, Weather Forecasters, Researchers, Teachers etc.

**Students will attend classes in both Grammar and Academy**

# GOVERNMENT & POLITICS

AS/A2

Examining Board: **CCEA**

Length of Course: **1/2 years**

## Overview

The study of Government & Politics provides pupils with relevant and stimulating material aimed at developing their skills and critical awareness of political ideas, institutions, and processes, including a particular emphasis on Northern Ireland politics. The course encourages students to explore and examine their own values, beliefs attitudes and perceptions, making judgements and ultimately making decisions regarding the society in which they live.

## Course Structure

All papers are a combination of short structured answers and more extended writing

Modules	Length of Exam	Marks/Weighting
AS 1: The Government & Politics of N. Ireland	1hr 15min	40% AS (16% A2)
AS 2: The British Political Process	1hr 45min	60% AS (24% A2)
A2 1: Comparative Government UK/USA	2hr 15min	35% A2
A2 2: Political Power	1hr 30min	25% A2

## What do I need to know before taking the Courses?

You do not need to have studied Politics for GCSE in order to take AS or A2 level Government and Politics. It is more important to have an enquiring and lively mind, along with an interest in politics and current affairs, a desire to explore new ideas and an ability to communicate your ideas effectively.

## What kind of student is this course suitable for?

This course will appeal to those students who:

- Enjoy voicing their opinions, debating current affairs and political issues
- Like doing a subject that affects their everyday lives
- Have a keen appreciation of the need to participate in society
- Aren't afraid of dealing with controversial matters

## What does the Course lead to:

**Skills:** Aside from preparing students for specific fields of employment, Government & Politics teaches many transferrable academic skills such as the ability to properly formulate and communicate effective argument, along with the capacity to solve problems, think analytically, critically and logically.

**Careers:** Anyone who would like to study Politics further or interested in careers such as Law, Journalism, Media, Social work or any kind of Public Administration should consider studying Government and Politics.

**Available to study at Carrickfergus Grammar School**

# MATHEMATICS

AS/A2

Examining Board: **CCEA**

Length of Course: **1/2 years**

Mathematics is all around us. It exists in the proportions of artistic works, in the scores of our favourite songs and in the physical structures we live and work in daily. It is also the bedrock of many other subjects including the Sciences, Economics and Engineering and is extremely relevant to subjects like Psychology and Design.

## Overview

The content of AS & A2 Mathematics builds on the knowledge, skills and understanding established throughout GCSE. At AS and A2 level, pupils will study modules in both Pure Mathematics & Applied Mathematics. The Applied Mathematics papers will be split equally into the study of Statistics and Mechanics. The A2 level award is based 40% on the results of the AS level modules and 60% on the results of the A2 level modules.

## Course Structure

Modules	Length of Exam	Marks/ Weighting
AS Pure Mathematics	1hr 45min	60% AS (24% A2)
AS Applied Mathematics	1hr 15min	40% AS (16% A2)
A2 Pure Mathematics	2hr 30min	36% A2
A2 Applied Mathematics	1hr 30min	24% A2

Pure Mathematics: Algebra, Geometry, Trigonometry and Calculus

Applied Mathematics: Statistics and Mechanics

**Careers:** The study of Mathematics can develop a host of skills that are essential to students continuing in their studies as well as those currently in or entering the work place. These include problem solving, logic and reasoning and attention to detail. Mathematics can lead to careers in Engineering, Economics, Finance, Business, IT, Programming and Teaching amongst others.

Available to study at Carrickfergus Grammar School

# NUTRITION and FOOD SCIENCE

AS/A2

Examining Board: **CCEA**

Length of Course: **1/2 years**

## Overview

A stimulating course which allows the development of a detailed understanding of nutrition and food science.

In the AS units, students will explore the Principles of Nutrition, Diet, Lifestyle and Health. They will develop knowledge and understanding of the key nutrients and their requirements through the life cycle. They will have the opportunity to explore dietary related disorders and how they impact on health. Students who continue to A2 explore Food Quality and Safety, developing an understanding of the importance of securing a safe food supply. All A2 students will select an area of personal interest to study for a research project, which will allow the development of advanced study skills such as critical thinking, problem solving, designing research tools and analytical aptitude to help preparation for higher education or the work of work.

### AS Structure:

#### UNIT 1. Principles of Nutrition

- The study of the macro and micro nutrients and other dietary constituents.
- Protein, Fat, Carbohydrate NSP and Water
- Nutritional requirements and current recommendations across the lifespan

**1 hour 30 min exam**

**50% AS**  
**(20% A Level)**

#### UNIT 2 Diet, Lifestyle and Health

- The Revolutions of February and October 1917
- Lenin's Russia 1917-1924
- Stalin's Rise to Power and Dictatorship 1924-1941

**1 hour 30 min exam**

**50% AS**  
**(20% A Level)**

### A2 Structure:

#### UNIT 1 Food Safety and Quality

- Food safety as a public health priority
- Food contamination by chemicals and micro-organisms
- Food additives, Allergens
- The legislation and controls in place to protect consumers

**2 hour 30 min exam**

**(30% A Level)**

#### UNIT 2 Research Based Assignment

- A report on a research based activity (4,000 words)

**Coursework**

**(40% A Level)**

**Careers:** The course provides a solid foundation for Higher Education. Graduates can follow careers such as Nutrition, Dietetics, Food Design, Food Management and Marketing, Health Promotion, Journalism, Retail Management, Environmental Health, Nursing, Occupational Therapy, Pharmacy and Radiotherapy

**Available to study at Carrickfergus Grammar School**

# PHYSICS

AS/A2

Examining Board: CCEA

Length of Course: 1/2 years

## Exam Structure

All units are externally assessed.

### AS

### A2

<p><b><u>Unit AS1 - Forces, Energy and Electricity</u></b></p> <p><b>Assessment:</b> Written Exam 1hr 45mins 40% AS (16% A Level)</p> <p><b><u>Unit AS2 — Waves, Photons &amp; Astronomy</u></b></p> <p><b>Assessment:</b> Written Exam 1hr 45 mins 40% AS (16% A Level)</p> <p><b><u>Unit 3 - Practical Techniques &amp; Data Analysis</u></b></p> <p><b>Assessment:</b> A test of practical skills comprising of short tasks, and a separate paper requiring the analysis of experimental results.</p> <p><b>2 (1 hour) components</b></p> <p><b>20% AS (8% A Level)</b></p>	<p><b><u>Unit A2.1 - Deformation of Solids, Thermal Physics, Circular Motion, Oscillations and Atomic &amp; Nuclear Physics</u></b></p> <p><b>Assessment:</b> Written Exam 2hrs 24% A Level</p> <p><b><u>Unit A2.2 - Fields, Capacitors and Particle Physics</u></b></p> <p><b>Assessment:</b> Written Exam 2hrs 24% A Level</p> <p><b><u>Unit A2.3 - Practical Techniques &amp; Data Analysis</u></b></p> <p><b>Assessment:</b> A test of practical skills comprising of 2 experimental tests and a separate paper requiring the analysis of experimental results.</p> <p><b>2 (1 hour) components</b> <b>12% A Level</b></p>
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### Additional information:

Candidates will be required to have a high standard of Mathematical Skill.

### Careers:

Physics is necessary or helpful for many careers, including Engineering, Architecture, Forensics, Radiography, Medicine and Optometry. Physicists find employment in many other fields to include Education, Business, Computing and Accounting to name but a few. This course provides a knowledge and understanding of the principles and applications of Physics, which contribute to our technologically based society and our understanding of nature.

**Available to study at Carrickfergus Grammar School**

**BUSINESS**  
*Examining Board:*  
**Cambridge Technical  
Extended Certificate Level 3**

**CTEC LEVEL 3**

*Length of Course: 2 years*

Designed in collaboration with experts spanning the breadth of the sector, the Cambridge Technical in Business focuses on the skills, knowledge and understanding that today's universities and employers demand. Pupils will practically apply their skills and knowledge in preparation for further study or the workplace.

You will learn how a business might evolve. From a small start-up to a large multinational organisation, you will consider a range of different business types and gain an understanding of how the choice of business type might affect the objectives that are set. You will look at the internal workings of businesses, gaining an understanding of the legal, financial and ethical factors that have an impact. You will also explore ways in which businesses respond to change and gain an appreciation of the influence different stakeholders can have.

<b>TITLE OF UNIT</b>	<b>ASSESSMENT METHOD</b>	<b>AWARD WEIGHTING</b>
Unit 1: The Business Environment	External Exam	33% of overall A level
Unit 4: Customers and Communication	Internally assessed	16.6% of overall A level

**Y13 UNITS**  
**Y14 UNITS**

<b>TITLE OF UNIT</b>	<b>ASSESSMENT METHOD</b>	<b>AWARD WEIGHTING</b>
Unit 2: Working in Business	Externally Exam	16.6% of overall A level
Unit 5: Marketing and Market Research	Internally assessed	16.6% of overall A level
Unit 16: Principals of Project Management	Internally assessed	16.6% of overall A level

**Entry requirements:** Students wishing to enrol on the Business Studies Extended Certificate course will need at least a C grade in GCSE English and Mathematics. GCSE Business Studies is not essential but is desirable.

**Career Pathways:** Business Studies opens up a variety of careers opportunities. Possible career choices within the area of business include management, marketing, finance, accounting, banking, retail, manufacturing and local government.

**Available to study at Ulidia Integrated College**

# HEALTH & SOCIAL CARE

Examining Board: CCEA

AS/A2  
Length of Course: 2 years

A Level Health and Social Care is an ideal qualification for those wishing to attend university or begin a career in Health and Social Care or Teaching.

This course aims to:

- Develop interests in health, social care and early years;
- Draw together different areas of knowledge, skills and understanding;
- Develop higher order thinking skills, creative thinking and problem-solving, where appropriate;
- Develop knowledge and understanding relevant to degrees in nursing, allied health professions, social sciences, social policy, social work and early years;
- Develop skills, aptitudes and values for employment in the health, social care and early years sectors.

## AS UNITS

TITLE OF UNIT	ASSESSMENT METHOD	AWARD WEIGHTING
AS Unit 1: Promoting Quality Care	Internally assessed	25% of AS, 10% of A2
AS Unit 2: Communication in Health, Social Care and Early Years Settings	Internally assessed	25% of AS, 10% of A2
AS Unit 3: Health and Well-Being	Externally assessed (2 hour examination)	50% of AS, 20% of A2

## A2 UNITS

TITLE OF UNIT	ASSESSMENT METHOD	AWARD WEIGHTING
A2 Unit 3: Providing Services	Externally assessed (2 hour examination)	30% of A2
A2 Unit 4: Health Promotion	Internally assessed	15% of A2
A2 Unit 5: Supporting the Family	Internally assessed	15% of A2

**Entry requirements:** Students wishing to enrol on the A level in Health and Social Care course will need at least a C grade in GCSE English. Having a GCSE C grade or above in Child Development, Home Economics or C grade in GCSE Health & Social Care is desirable.

**Career Pathways:** Health & Social Care Policy, Health Service Management and Administration, Health Education and Health Promotion, Teaching, Community Development, Health Research, Nursing, Social Work, Health Physiology, Occupational Therapy, Psychology, Public Relations and Sociology.

Available to study at Ulidia Integrated College

Students will explore relevant workshops in class, research images, artefacts and resources relating to a range of photography, craft and design, from the past and from recent times, including world wide examples.

This should be integral to the investigating processes. Students' responses to these examples must be shown through practical and critical activities that demonstrate their understanding of different styles, genres and traditions. They will have a digital portfolio that can be sent to University and also exhibit two final pieces in the year.

### **Areas of Study**

Students are required to work in one or more area(s) of Photography, such as those listed below. They 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 to or from the natural world)
- Documentary photography, photojournalism
- Fashion photography, experimental imagery & multimedia
- Photographic installation

### **Year 13 Photography;**

**Digital Photography Portfolio (150 pages):** Short Projects including: Manmade Urbanscape, Archisculpture Collage, Photoshop, Framing Devices and Digital Drawing with Portraits. Compare and contrast essay writing about two photographers styles. Written analysis and notes within the digital portfolio.

### **A2 Photography**

**Digital Portfolio (150 pages):** A choice of one theme from: Altered Faces, Furniture, Garments, Photo Poetry Montage, Inside & Outside, Plants, Fluid Art and more. Compare and contrast essay writing about specific photographers styles. (Sept to Jan) 60% &

**Exam Topic** (Feb—May) 40%

### **Entry Requirements:**

Having GCSE MIA or Art & Design would be desirable. An interest or strong enthusiasm for photography is essential and you must be able to get out and about to take photographs. Students who undertake this course will be expected to have access to their own equipment which includes a Camera that shoots RAW and JPEG images, SD card and Expansion Drive. In addition, students will be expected to order final piece photos from a professional print lab.



Examining Board : **PEARSON**

Length of Course: **2 years**

### **BTEC Level 3 National Extended Certificate in Performing Arts**

#### **About the Course:**

This course is designed to provide a specialist work related qualification. It is a broad introduction to styles of acting, rehearsal technique and theatre practitioners. There is an emphasis on core knowledge and skills transferable across other sectors supporting progression to higher education courses and developing careers within the Performing Arts and related industries. It provides a pathway into Higher Education, principally BTEC Higher Nationals and Degree courses in Performing Arts.

#### **You will study the following units:**

UNIT 1	Investigating Practitioners' Work
UNIT 2	Developing Skills and Techniques for Live Performance
UNIT 3	Group Performance Workshop

Students will then study **1 additional unit** chosen from an interesting list which includes:

Variety Performance	Interpreting Classical Text for Performance
Movement in Performance	Improvisation

#### **Entry requirements:**

Due to the written portfolio nature of this course, Performing Arts students should have a grade C or above in GCSE English or equivalent. Students should also either have a grade C or above in GCSE Drama, or a M+ in BTEC Performing Arts. In the absence of having studied either of these subjects, the student must have a keen interest in performing to an audience, and, in the event of the course being oversubscribed; preference will be given to those who have experience either in school productions or through membership of a local theatre group.

Students studying Performing Arts are expected to become actively involved in extra-curricular performances and will be required to attend rehearsals out of class time. This will include students being available for occasional Saturday morning and evening rehearsals.

**Career Pathways**—Studying Performing Arts can lead to a career on stage, television or film. Other career opportunities are available in make-up, set and costume design and theatre production. It can also lead to careers in teaching and working with children. In addition, there is evidence to suggest that involvement in music, dance and drama can improve concentration, develop self-discipline, self expression and confidence and enhance communication skills.

**Available to study at Ulidia Integrated College**

**'A Quest for Excellence'**

# CARRICKFERGUS LEARNING COMMUNITY

## CONTACT DETAILS

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### **CARRICKFERGUS GRAMMAR SCHOOL**

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### **ULIDIA INTEGRATED COLLEGE**

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Co-ordinator	Mr B Dunlop

# CLC students enjoying their studies



CLC students on field trip to Murlough Bay



Tourism students mixing work with play



It's pointing the wrong way for a selfie!

**'A Quest for Excellence'**



Media Studies students  
get down to business

Performing Arts  
students



**'A Quest for Excellence'**





