



GLENLOLA
COLLEGIATE
SCHOOL
BANGOR

GCSE SUBJECT CHOICES 2026

Excellence through commitment, contribution and caring

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Subject Pages

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These pages give some information regarding the content of the various subjects and suggestions about career opportunities using them. The lists are only starting points. You should be able to find out more from subject teachers. All subjects are acceptable for a range of careers. Every subject is worth studying for its own sake and not just as a means of gaining employment.

Introduction

This document contains information about all the subjects offered at GCSE in Glenlola Collegiate and it is provided so that parents/guardians and pupils can be informed about what each subject involves before you make your choices.



We strongly encourage you to talk to your teachers about the nature of the subject at GCSE. You will have a chance to discuss your potential subjects and career plans in Careers classes, at the Options Event, during your subject choice interview and Year 10 Parental Consultation.

You may be choosing subjects now with a view to studying them at A Level and, ultimately, for career options, so it is important that you make decisions based on all the available information, your career aspirations (if known) and your personal preferences and abilities.

You should choose subjects which are required for your career interests, subjects which you enjoy and are likely to achieve top grades in and, where possible, subjects which demonstrate breadth across a range of disciplines.

When you have chosen your subjects remember that this is only the beginning. Success at GCSE depends on how well you work at your studies, how much concentration and commitment you can bring and how you strike a balance between your academic studies and extra-curricular and outside activities.

We wish you all the best in selecting your GCSE subject choices for Key Stage 4.

Careers Department

The Careers Department in Glenlola Collegiate School works to enable you to make informed decisions about your future career.

During Year 10 each pupil follows a programme within their timetabled Careers classes to enable them to explore their individual skills, qualities and preferences. This can help indicate a direction for their subject choice, in line with any possible career ideas.

We have also been discussing subject choices and future pathways. By now, many pupils will know which subjects are required for particular career pathways. Once these essential subjects have been chosen in addition to the compulsory subjects, this document can be used to help make those decisions about your remaining subject options.

In keeping with our commitment to provide our pupils with relevant careers guidance and tailored support when choosing subjects, career planning and deciding on their next steps, we have invested in Unifrog; an award-winning, online careers platform. All pupils have registered to use the platform and have been given guidance on how they can make use of it.

All of the above, along with an individual subject choices/careers interview, Options Event and the Parental Consultation provide support, advice and guidance for future plans.



Important Dates

| | |
|---|----------------------------|
| Subject Choice Interviews | w/c Monday 26 January 2026 |
| Options Event | Wednesday 4 February 2026 |
| Year 10 Parental Consultation | Wednesday 18 February 2026 |
| Date for submitting GCSE subject choices | Wednesday 25 February 2026 |



Subject Choice at Key Stage 4

We aim to ensure that each pupil follows a broad and balanced curriculum, keeping open as many future pathways as possible. We encourage pupils to study subjects which they enjoy and have a clear aptitude for and we endeavour to offer flexibility in order to meet pupils' needs.



Pupils in Option 1 will take 9 or 9.5 GCSE subjects. Pupils in Option 2 will take 8 or 8.5 GCSE subjects and those in Option 3 taking 7 or 7.5. There is a degree of choice in the GCSE subjects taken within the framework of the revised Northern Ireland Curriculum and the need to follow a broad and balanced programme. As a result of this, a statutory minimum of Learning Opportunities must be available to all pupils.

The choices pupils make should result in a broad and balanced programme of courses appropriate to their needs and interests.

At Glenlola Collegiate School, most pupils also study English Literature. A number of pupils will have the opportunity to study Further Mathematics.

The programme of subjects will comprise of a core of **compulsory subjects** and then **optional subjects** that you will choose to study.

All pupils study:

- **GCSE Mathematics**
- **GCSE English Language**
- **Religious Studies (GCSE Short Course, Full Course or mandatory option)**

In addition, the programme of study will include:

- **LLW** (Learning for Life & Work): Non examination
- **PE**: Non examination

In addition to the above compulsory core subjects, pupils must select a Science and then select from the following subjects:

Sciences

Biology

Chemistry

Physics

Single Award Science

1. Students will study at least one GCSE in Science

Students may choose Single Award Science (1 GCSE), **or** one, two or three separate sciences – Biology, Chemistry and Physics.

Students taking Single Award Science **cannot** study another science subject.

To study 2 or 3 Sciences, select one from here and the others in the next group.

2. Depending on the pathway the pupil will follow, pupils will then study up to 4 subjects from the list below.

Art and Design

Biology

Business Studies

Chemistry

Child Development

Digital Technology (Multimedia)

Digital Technology (Programming)

Drama

French

Geography

Government and Politics

History

Home Economics

Learning for Life and Work

Leisure, Travel and Tourism

Moving Image Arts

Music

Physical Education

Physics

Spanish

Technology and Design

Please see the following page for the 3 possible pathways.

Key Stage 4 Pathways

At Glenlola Collegiate School, we are committed to helping every pupil succeed. To support this, we offer a range of pathways designed to ensure each pupil can achieve their full potential:



- **Pathway Option 1:** This is the standard pathway that most pupils will follow.
- **Pathway Options 2 and 3:** These provide flexibility for pupils whose needs may be better met through an alternative route.

Following a meeting in Year 10, some pupils may be advised to follow Pathway Option 2 or 3. This decision will be based on a detailed analysis of data and the professional judgment of school staff.

Please note: Any pupils not studying 9 or 9.5 GCSE subjects will have supervised study periods included on their timetable.

Compulsory Subjects: All pupils must study GCSE English Language, GCSE Mathematics and RS (GCSE Full Course, Short Course or Mandatory RS. RS is a statutory part of the NI curriculum). Most pupils also study GCSE English Literature. A number of pupils will have the opportunity to study Further Mathematics.

There are 3 curriculum pathways that will be offered at Key Stage 4:

1

Pathway Option 1

Pupils will study 4 or 4.5 from the list below:

- English Language
- English Literature
- Mathematics
- RS: Full Course (1 GCSE) or Short Course ($\frac{1}{2}$ GCSE) with Further Mathematics (1 GCSE)

Total GCSE Subjects:

9 if studying Full Course Religious Studies
9.5 if studying Further Mathematics and Short Course Religious Studies

5 subjects from the list of optional subjects (to include a minimum of 1 Science).

2

Pathway Option 2

Pupils will study 3 or 3.5 from the list below:

- English Language
- English Literature
- Mathematics
- RS: Short Course ($\frac{1}{2}$ GCSE) or Mandatory RS (non-exam)

Total GCSE Subjects:

8 if studying Mandatory RS (not a GCSE)
8.5 if studying Short Course Religious Studies

5 subjects from the list of optional subjects (to include a minimum of 1 Science).

3

Pathway Option 3

Pupils will study:

- English Language
- English Literature (for some)
- Mathematics
- RS: Short Course ($\frac{1}{2}$ GCSE) or Mandatory RS (non-exam)

Total GCSE Subjects:

7 GCSEs
7.5 if studying Short Course Religious Studies

4 or 5 subjects from the list of optional subjects (to include a minimum of 1 Science or STEM subject). Choosing 4 or 5 subjects here will depend on whether English Literature is being studied.

Glenlola Collegiate School Pathways

POST-18 OPTIONS



YEARS 13 AND 14

| | | |
|--|--|--|
| <p>4 AS Levels 3 A2 Levels</p> <p>Usually required for Medicine, Dentistry, Veterinary Science,</p> <p>Careers, LLW, LTC3, Study Skills, Work Experience, Supervised Study</p> <p>Positions of Responsibility: PLT, House Official, Peer Supporter, Peer Listener, Assistant Prefect</p> | <p>3 AS/A2 Levels (or 2 AS/A2 Levels and 1 BTEC Level 3)</p> <p>Provides breadth and opportunity</p> | <p>Adding Value SistersIn Teaching Practice Bar Mock Trial Young Enterprise Clubs, Societies Sports Teams Music CCF Duke of Edinburgh's Award</p> |
|--|--|--|

GCS SENIOR SCHOOL

YEARS 11 AND 12

| Option 1 9 or 9.5 GCSEs | Option 2 8 or 8.5 GCSEs | Option 3 7 or 7.5 GCSEs | |
|---|---|--|---|
| <p>The usual pathway for pupils aiming to study 3 to 4 A-Levels with a view to University entry</p> <p>Core Subjects English Language English Literature Mathematics RS: Full Course or Short Course with Further Mathematics</p> <p>5 Additional GCSES (to include a minimum of 1 Science)</p> | <p>A pathway that enables pupils to progress into A-Level study, Higher/Further Education, Employment and HLAs</p> <p>Core Subjects English Language English Literature Mathematics RS: Short Course or Mandatory RS Option</p> <p>5 Additional GCSES (to include a minimum of 1 Science)</p> | <p>A pathway that enables pupils to access Level 3 qualifications and Further Education</p> <p>Core Subjects English Language English Literature (for some) Mathematics RS: Short Course or Mandatory RS Option</p> <p>4 or 5 Additional GCSES (to include a minimum of 1 Science or STEM subject)</p> | <p>Adding Value Clubs Societies Sports Teams Music CCF Duke of Edinburgh's Award</p> |
| <p>PE, LLW, LTC³, Careers, Study Time</p> | | | |

YEARS 8, 9 AND 10

| English | The Arts | Science and Technology | Physical Education | |
|--|---|---|--|--|
| Mathematics | Art and Design Drama Music | Biology Chemistry Physics ICT Technology and Design | Learning for Life and Work Home Economics LLW (Citizenship, Personal Development, Employability) | |
| Modern Languages French Spanish | Environment and Society Geography History | | Religious Studies | |
| <p>ICT, Literacy and Numeracy across the curriculum</p> | | | | |
| <p>LTC³, Careers, Form Tutorial</p> | | | | |



5

KEY STAGE



4

KEY STAGE

At the end of Key Stage 4:

Choose your pathway to Key Stage 5:
Senior School
Further Education
Apprenticeship
Employment

3

KEY STAGE

Adding Value
Clubs
Societies
Sports Teams
Music

GCSE Subject Choices Guidance and Criteria

As general guidance, pupils should aim to achieve a minimum of a grade C in examination results, and preferably a grade B or better, in subjects they wish to continue to GCSE level. An academic profile that contains multiple C or D grades may limit a pupil's choice of GCSE and/or the number of GCSE subjects available to them.



- Where a pupil has clearly demonstrated her ability and aptitude in Mathematics she may nominate to study **GCSE Further Mathematics**. The final decision regarding the study of this subject will be taken by the School. If you nominate **GCSE Further Mathematics** you will study Short Course RS.
- We will try to facilitate the combination of subjects chosen by pupils, but we cannot guarantee that this will happen. If there are timetabling difficulties with a chosen combination of subjects, it will be necessary to discuss this with the pupil and the choices will have to be reviewed.
- Subjects may only operate where the class size is viable and where there is available resource within the School to deliver the course.
- If a subject is undersubscribed, it may not be delivered and pupils will be asked to choose another subject.
- If a subject is oversubscribed, you will be advised of this and asked to make an alternative choice and/or criteria set by the Head of Department will be applied in order to select pupils.
- If you want to change your mind later, that may be possible, but only if your change fits within the timetabled blocks and does not make a class too large. If you start a GCSE course in September and then wish to change courses you must make this decision **within the first three weeks**.
- Following summer examination results and guidance interviews, a number of pupils may need to review their initial choices or may access an alternative pathway consisting of some more vocational subjects and/or a reduced number of GCSE subjects studied with additional study support.

The final decision with regard to the curriculum offer for each pupil rests with School, taking into account class size, availability of staff and appropriateness of the course for each pupil.

Useful Careers Websites

www.unifrog.org

This online platform brings available information into one place that helps pupils to research relevant careers and courses.

www.ucas.com

This is the website for application to UK universities. It gives information on available courses, subject requirements for courses of interest and the current range of third level education options available.

www.ccea.org.uk

This provides details of examination specifications for each GCSE subject.

www.nidirect.gov.uk/articles/subject-choices-year-10

This includes information to help decide what to study in Years 11 and 12.



www.nidirect.gov.uk/careers

The NI Careers Service website provides comprehensive information on a wide range of careers, employment, apprenticeships, labour market information and higher education.

www.icould.com

This website can be used for career ideas, first-hand information and inspiration from access to more than 1000 personal video stories and detailed job information.

www.cao.ie

Information about applying to universities and other Higher Education Institutions in the Republic of Ireland.

www.careersportal.ie

Provides information on career planning, work and employment.

Advice for Making Choices

- GCSEs (General Certificate of Secondary Education) are important Level 2 qualifications required for progression to A levels, Further and Higher Education, apprenticeships and employment.
- GCSE English and Mathematics at grade C or better are required for entry to university.
- It is often a **requirement** for study at AS Level in Senior School that pupils have successfully studied and achieved a sufficiently high grade in the subject at GCSE.
- Many university courses require particular subjects at A Level and in many cases you will need to have studied those subjects at GCSE to be able to go on to study them at A Level.

We recommend that you consider the following factors when making your choices:

Ability



Consider which subjects you do well in. Evidence will come from recent assessments, tracking and feedback from your teachers. Think about your interests and long-term aims so that you keep open a breadth of career paths which will suit you.

Preferences



Choose subjects that you like. Most pupils will benefit from choosing subjects which they enjoy as it helps them to keep motivated.

Research



You will spend a long time studying each of your subjects, so it is well worth taking time to find out all you can about them, before you make your choices. You should:

- Find out as much as possible about the subjects being offered.
- Consult Careers staff, teachers, family and friends.
- Talk to your subject teachers as they have the correct information about all the specifications.
- Research your options carefully before you make choices.

Career Ideas



Although this is an early stage, some pupils will have an idea of a career they may wish to pursue, or a general career direction. Check the subjects that these areas require. **Consideration should be given to how your GCSE subject choices will influence your options at A level and beyond.**

Controlled Assessment



Controlled Assessments are carried out in class time. It is worth considering the overall balance of Controlled Assessments. Having some subjects where a percentage of the final result is completed in class before final examinations helps to ease pressure in those examinations. But if all choices have a large component of controlled assessments pupils will have to manage their time very effectively throughout the two years of study to be able to keep on top of this work.

Extra-curricular activities



In addition to the academic side of school life, you should also endeavour to become involved in extra-curricular activities. It is important for you to realise that prospective employers and universities attach a great deal of importance to what students do in their spare time. GCSE grades will only give an indication of your academic ability but hobbies and other activities provide an insight into your personality and personal skills and qualities.

ENGLISH LANGUAGE (CCEA)

Why study English Language?

Studying English Language develops pupils' communication skills, teaching them how to present information with confidence and improving their reading, writing, and speaking and listening skills. They will have the opportunity to read and explore a wide range of literary and non-fiction texts, engaging with spoken and written language, including media texts. This will help them to form independent views and to learn how to challenge and argue their point of view confidently and effectively.



What will I learn?

The course is divided into four compulsory units:

Unit 1: Section A - Writing for Purpose and Audience

- Pupils will be expected to create an accurately presented piece of persuasive writing in an appropriate form, which engages the audience effectively.

Unit 1: Section B - Reading to Access Non-Fiction and Media Texts

- Pupils will be expected to engage with the features of a range of non-literary texts, exploring the effects of the writer's language, presentational choices and ideas.

Unit 2 – Speaking and Listening

- Pupils will be expected to complete a range of speaking and listening tasks, consisting of: individual presentation and interaction; group discussion and role play.

Unit 3 – Studying Spoken and Written Language

- Pupils will be expected to complete two controlled assessment pieces. These will explore and evaluate the characteristics, influences and impact of spoken and written language.

Unit 4: Section A – Personal or Creative Writing

- Pupils will be expected to create an accurately presented piece of imaginative writing in an appropriate form, which engages the audience effectively.

Unit 4: Section B – Reading Literary and Non-Fiction Texts

- Pupils will be expected to engage with the features of a range of literary and non-literary texts, exploring the effects of the writer's language, presentational choices and ideas.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Writing for Purpose and Audience and Reading to Access Non-Fiction and Media Texts (30%)

- External written examination in the summer of Year 11 (1 hour, 45 minutes).
- Pupils respond to five tasks, including extended writing.

Unit 4: Personal or Creative Writing

Reading Literary and Non-Fiction Texts (30%)

- External written examination in the summer of Year 12 (1 hour, 45 minutes).
- Pupils respond to four tasks, including extended writing.

CONTROLLED ASSESSMENT:

Unit 2 – Speaking and Listening (20%)

- Internally assessed across Year 11 and Year 12.
- Pupils will complete individual presentations, group discussions and role plays.

Unit 3 – Studying Spoken and Written Language (20%)

- Internally assessed across Year 11 and Year 12.
- Pupils will complete two written tasks.

Career Opportunities

The use of the English Language is beneficial to all career paths, giving you skills that can be used in many different real-life situations. Studying English Language can lead to further study or a career in the media, such as journalist, editor or writer. Advertising and marketing are also options, with roles such as copywriter, public relations officer or researcher. With further study you could also consider a career in teaching or law.

ENGLISH LITERATURE (CCEA)

Why study English Literature?

English Literature enhances pupils' ability to be critical and analytical. It opens up their mind and imagination, helping them to think independently and increase their knowledge and understanding of a variety of literature. The course will develop their ability to write accurately and clearly. They will learn to research, plan and prepare responses using their own ideas and interests. They will discover how to be creative when explaining themes, characters, settings and their influences through social, cultural and historical situations. If they enjoy reading a wide range of literature and exploring issues and ideas within texts, then this course is ideal.



What will I learn?

The course is divided into three compulsory units:

Unit 1: Section A - The Study of Prose (*Of Mice and Men* by John Steinbeck or *Animal Farm* by George Orwell)

- Pupils will be expected to explain and evaluate how the author uses narrative techniques, language, structure and form to present ideas, themes, characters and settings.

Unit 1: Section B - Unseen Prose

- Pupils will be expected to respond to a piece of unseen prose from the nineteenth century, explaining and evaluating the writer's techniques and use of language.

Unit 2: Section A - The Study of Drama (*An Inspector Calls* by J B Priestley)

- Pupils will be expected to explain and evaluate the dramatist's use of dramatic techniques and their impact on the audience.

Unit 2: Section B - The Study of Poetry (CCEA Anthology 2: Relationships)

- Pupils will be expected to make comparison between poems and evaluate the poets' techniques and relevant contextual information.

Unit 3: The Study of Shakespeare (*Macbeth*)

- Pupils will be expected to explain and evaluate Shakespeare's use of dramatic techniques and their impact in relation to the Jacobean and modern audiences.

How is this subject assessed?

EXAMINATIONS:

Unit 1: The Study of Prose (30%)

- External written examination in the summer of Year 11 (1 hour 45 minutes).
- Pupils respond to two extended writing tasks.
- Section A is closed book.

Unit 2: The Study of Drama and Poetry (50%)

- External written examination in the summer of Year 12 (2 hours).
- Pupils respond to two extended writing tasks.
- Both sections are open book.

CONTROLLED ASSESSMENT:

Unit 3: The Study of Shakespeare (20%)

- Internally assessed in Year 12.
- Pupils will complete one written task based on the theme set by CCEA.

Career Opportunities

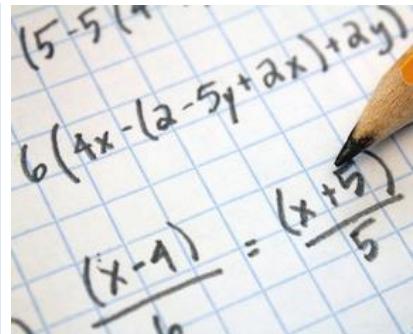
This course allows pupils to develop the use of written and face-to-face communication, as well as their ability to research, understand and respond to ideas. They could apply these skills in further study or employment in the media industry including print, online, TV and radio. Journalism or publishing are other possible routes that English Literature can lead to, for example editorial, proofreading and correcting books before they go to print. A job in advertising, public relations or the press is also an option with a qualification in English Literature.

With further study, teaching is another profession open to them, or they could work for an arts organisation trying to secure funding or publishing material for a museum or a gallery. They could also go into sectors like law, business, social work or even politics.

MATHEMATICS (CCEA)

Why Study Mathematics?

GCSE Mathematics encourages students to develop fluent knowledge, skills and understanding in applying mathematical methods and concepts. It enables students to reason mathematically, draw conclusions and make deductions and inferences. Students learn how to comprehend, interpret, and communicate mathematical information in a variety of appropriate forms. Mathematics is an essential part of the curriculum in Key stages 3 and 4. General numeracy and financial capability are skills that are required in all aspects of life. GCSE Mathematics is a minimum requirement for most employers and universities.



What will I learn?

The areas of study are:

Number and Algebra, Geometry and Measures, Data Handling

How is this subject assessed?

EXAMINATIONS:

To achieve a GCSE Mathematics award, students must sit two modules: one of M2, M3 or M4, and one of M6, M7 or M8.

M2/M3/M4:

- This module will be completed by most pupils at the end of year 11.
- The examination is 2 hours long.
- Calculators are allowed.

Weighting:

45% of GCSE

M6/M7/M8

- This module will be completed by most pupils at the end of year 12.
- The examination will consist of 2 papers, each lasting 1 hour 15 minutes.
- Paper 1 is without calculator, paper 2 is with calculator.

Weighting:

55% of GCSE

Common pathways are as follows:

Units M2 and M6 available grades C*, C, D, E, F, G

Units M3 and M7 available grades B, C*, C, D, E

Units M4 and M8 available grades A*, A, B, C*, C, D

**Please note that there are alternative module combinations.*

**Further Mathematics candidates will complete modules M4 and M8 at the end of Year 11.*

**Students are required to have completed modules M4 and M8 for entry into AS Mathematics.*

Career Opportunities

Maths GCSE is a requirement for nearly all jobs and a Grade C or higher is required for University entry. Potential careers using Mathematics are:

| | | |
|---|---------------------------------------|---------------------|
| • Aerospace Engineering | • Product Design Engineering | • Banking |
| • Civil Engineering | • Software and Electronic Engineering | • Teaching |
| • Computer Science | • Structural Engineering | • Research |
| • Electrical and Electronic Engineering | • Biomedical Engineer | • Architecture |
| • Systems Engineering | • Actuary | • Financial Advisor |
| • Chemical Engineering | • Tax consultancy | • Data Analyst |

RELIGIOUS STUDIES

There are 3 Options for studying Religious Studies through the pathways available at GCSE:

1. Full Course RS: 1 GCSE
2. Short Course RS: $\frac{1}{2}$ GCSE
3. Mandatory RS Course: no qualification

These options can be seen on the pathways diagram on page 5 of this book.



Why Study Religious Studies?

Religious Studies is much more than a purely academic subject. The course studied has been chosen for its relevance and application to modern life, studying topics that are daily in the news to frame discussions and initiate research, for example, war and peace, family issues, abortion and euthanasia are studied. Issues such as wealth, forgiveness, the marginalised and how these impact on life are explored. Studying Religious Studies provides opportunities to develop a range of skills such as critical thinking, developing a line of argument, problem solving, fluency in writing, working and listening to others and expressing an opinion based on evidence. These skills are applied beyond the study of an academic subject, to the whole of life.

What will I learn?

Full Course RS 1 GCSE

- Those studying Full Course RS will complete two units of study:
- The Revelation of God and the Christian Church (Unit 3)
- An Introduction to Christian Ethics (Unit 6)
- Students following Pathway 1 who do not study Further Mathematics GCSE will follow the Full Course RS Course

Short Course RS $\frac{1}{2}$ GCSE

- Students study An Introduction to Christian Ethics (Unit 6)
- Students following Pathway 1 who study Further Mathematics GCSE will follow the Short Course RS Course
- Students following Pathways 2 or 3 can select Short Course RS

How is this subject assessed?

EXAMINATIONS:

Full Course:

- Two externally assessed written papers (1 hour 30 mins each)

Weighting: Worth 50% each

Short Course:

- One externally assessed written paper (1 hour 30 mins)

Weighting: Worth 100%

Career Opportunities

Religious Studies develops skills such as communication, managing information, critical thinking and showing empathy. These skills can lead onto studying in further or higher education in a range of areas and potential careers such as:

| | | | |
|-------------------|--------------------|--------------|---|
| • Human Resources | • Counselling | • Publishing | • Faith ministry |
| • Police | • Community Work | • Youth Work | • Working with charities or advocacy groups |
| • Law | • Social Work | • Teaching | • Politics |
| • Psychotherapy | • Medicine/Nursing | • Journalism | |

Mandatory RS Course:

- All pupils who do not select Full Course or Short Course Religious Studies as one of their GCSE choices will follow a non-certified RS course. These classes will follow similar topics to those studied in the GCSE course but in reduced teaching time. There is no external qualification associated with this option. Schools have to provide RE in accordance with the core syllabus specified by DE.
- Students following Pathways 2 or 3 can select this non-certified option.

ART AND DESIGN (CCEA)

Why Study Art and Design?

GCSE Art and Design builds on skills learned at Key Stage 3, enhancing problem-solving, communication, analytical thinking and above all creativity. GCSE Art and Design encourages pupils to experiment widely, explore ideas and develop independent personal responses from their chosen theme. Students choosing this subject should have good technical drawing skills and a genuine interest in Art and Design.



Pupils are expected to demonstrate the ability to:

- Think creatively and imaginatively: generate original ideas, explore different approaches and take creative risks.
- Communicate and express ideas, feelings and meanings through a variety of media: including drawing, painting, sculpture, printmaking, textiles, digital media and mixed-media approaches.
- Investigate, analyse, experiment and develop ideas: research artists and designers, evaluate different techniques, experiment with materials and refine ideas to produce successful and personal outcomes.
- Reflect and evaluate: critically assess their own work and the work of others to inform and improve future projects.
- Work independently and collaboratively: manage time effectively, meet deadlines, and contribute positively when working in groups.

What will I learn?

The specification is made up of three components, all of which students must complete:

Component 1 (25%) Part A: Exploratory Portfolio

Component 1 (35%) Part B: Investigating the Creative and Cultural Industries

Component 2 (40%): Externally Set Assignment

Component 1 Part A: Exploratory Portfolio

The pupils are encouraged to explore the characteristics, properties and effects of different media, materials, techniques, processes and technologies; they experiment with and refine their ideas as their work progresses.

Component 1 Part B: Investigating the Creative and Cultural Industries

The pupils will select one of the following practical tasks;

1. An investigation into an artist, designer, movement or other aspect of art and design leading to a personal response. Leading to a personal response.
2. A response to a design brief or visual arts commission.
3. Participation in a collaborative project with a clearly defined role leading to an outcome that can be presented for individual assessment.

How is this subject assessed?

EXAMINATIONS:

Component 2: Externally Set Assignment

Weighting: 40% of GCSE

CONTROLLED ASSESSMENT:

Component 1 (25%) Part A: Exploratory Portfolio

Component 1 (35%) Part B:
Investigating the Creative and Cultural Industries

Weighting: 60% of GCSE

Career Opportunities

Studying Art opens the door to a huge range of exciting creative careers. From designing the clothes we wear and the products we use, to shaping interiors, graphics, theatre sets and digital content. Art and Design skills are at the heart of today's creative industries. An Art qualification is essential for careers such as graphic design, textiles, fashion, interiors, product and jewellery design, ceramics, theatre design, photography and visual display. It also supports pathways into architecture, teaching, museum and gallery roles, media work and freelance illustration. Creative thinkers are in high demand. Art can be the first step towards an inspiring, dynamic and rewarding career.

BIOLOGY (CCEA)

Why Study Biology?

GCSE Biology helps students develop a good understanding of the world of living things, from how a basic cell works to the complexities of an ecosystem. It is designed to help them understand how Science can be used to explain the world in which they live, and the impact humans have. Students develop practical skills with hands-on work which helps engage and enthuse them. Biologists learn to see how Science is used to solve problems ranging from infectious diseases to creating biofuels. It is suitable for students whether they intend further study in Science or not.



*To progress to A Level Biology it is HIGHLY recommended that students should also study GCSE Chemistry. Please be aware that some Biology courses at University will require GCSE Chemistry *

What will I learn?

The course is divided into three units:

Unit 1: Cells, Living Processes and Biodiversity.

Unit 2: Body Systems, Genetics, Microorganisms and Health.

Unit 3: Practical Skills.

How is this subject assessed?

EXAMINATIONS:

Unit 1- 35% - Summer Year 11 - An external written examination. Students answer compulsory structured questions that require short responses, extended writing and calculations.

Students can sit either at Foundation or Higher Tier (1hour 15 min)

Unit 2- 40%- Summer Year 12- An external written examination. Students answer compulsory structured questions that require short responses, extended writing and calculations.

Students can sit either at Foundation or Higher Tier (1 hour 30 min)

Unit 3- 25%- January - March Year 12 - Booklet A - Students carry out two externally marked pre- release practicals lasting 2 hours.

Summer Year 12 - Booklet B – External written assessment. Students answer compulsory structured questions that require short responses, extending writing and calculations all set in a practical context.

Students can sit either at Foundation or Higher Tier (1 hour)

Students will be awarded GCSE qualifications on a grade scale from A*- G. If a candidate fails to attain a grade G they are reported as unclassified (U).

Career Opportunities

There's no such thing as a typical Biologist. Entering a career in Biology could take you in almost any direction you can think of, and to anywhere in the world. Employers love Scientists! The combination of Biology-specific and general skills means that Biologists are versatile and competitive in the job market. Your curious and investigative mind will be of value to employers in all industry sectors, not just in Science. For example, many Biology graduates will have very successful careers in commerce, industry, working for the civil service, or in the not-for-profit sector.

- Acupuncture
- Environmental Biology
- Microbiology
- Science Journalism
- Agricultural Science
- Environmental Health
- Nanotechnology
- Soil Science
- Anaesthesiology
- Food Science
- Nature Conservation
- Sports and Exercise Science
- Anatomical Pathology
- Forensic Science
- Nursing
- Stratified Medicine
- Aquaculture
- Health promotion
- Paramedic
- Sustainability consultancy
- Biotechnology
- Higher Education lecturer
- Pharmacology
- Teaching
- Botany
- Immunology
- Pharmacy
- Veterinary Science
- Clinical Science
- Laboratory Technician
- Physiotherapy
- Research Science (life sciences)
- Dentistry
- Marine Biology
- Medicine
- Zoology
- Diagnostic Radiotherapy

BUSINESS STUDIES (CCEA)

Why Study Business Studies?

Business Studies is one of the few subjects pupils will not have had the opportunity to experience, prior to making subject choices. It examines the workings of a business and its relationship with the outside world and is a very useful subject for expanding pupils' general knowledge, providing excellent preparation for life outside the classroom. This subject will therefore appeal to pupils who are interested in current issues and finding out what goes on in the world around them. It is a broad-based subject suited to pupils who display strengths in either mathematical or arts subjects.



What will I learn?

The course is divided into three units:

Unit 1: Starting a Business

This unit comprises of 3 units:

- Creating a Business
- Marketing
- Business Operations

Unit 2: Developing a Business

- Human Resources
- Business Growth
- Finance

Unit 3: Planning a Business (Synoptic): Business Plan

This unit comprises the controlled assessment element of the course. It is a research based task gathered over an 8 week period in preparation for a written test taken under examination conditions.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Starting a Business: Creating a Business, Marketing and Business Operations

- External written examination (1 hour 30 mins)
- Short structured questions and extended writing

Weighting:

40% of GCSE

Unit 2: Developing a Business: Human Resources, Business Growth and Finance

- External written examination (1 hour 30 mins)
- Short structured questions and extended writing

Weighting:

40% of GCSE

CONTROLLED ASSESSMENT:

Unit 3: Planning a Business (Synoptic): Business Plan

Pupils complete the following:

- Booklet A: Planning; and
- Booklet B: Communicate Findings

Weighting:

20% of GCSE

Career Opportunities

Business Studies can be taken at AS and A2 Level and there are many different Business related degrees that can be pursued at university. Business related degrees are obviously useful as an entry to the business world in fields such as: Accountancy; Marketing; Human Resources; Travel and Tourism; Hospitality; Manufacturing; Retailing; Banking; Management Consultancy. A Business degree is also a good broad based multidiscipline degree useful for many careers such as Law, Journalism, Politics and Digital Technology. Alternatively it provides an excellent knowledge base for self-employment as an entrepreneur.

CHEMISTRY (CCEA)

Why Study Chemistry?

GCSE Chemistry develops students' knowledge and understanding of the material world and the effects of chemistry on society. Students learn about organic chemistry, quantitative chemistry and electrochemistry. They apply their understanding of the scientific process in the laboratory and develop their observational and problem-solving skills.



What will I learn?

The course has three units:

Unit 1: Structures, Trends, Chemical Reactions, Quantitative Chemistry and Analysis

Unit 2: Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic Chemistry

Unit 3: Practical Skills

How is this subject assessed?

EXAMINATIONS:

Unit 1: Structures, Trends, Chemical Reactions, Quantitative Chemistry and Analysis

- External written examination
- Students answer compulsory structured questions that require short responses, extended writing and calculations.
- Foundation Tier: 1 hour / Higher Tier: 1 hour 15 mins

Weighting: 35%

Unit 2: Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic Chemistry

- External written examination
- Students answer compulsory structured questions that require short responses, extended writing and calculations.
- Foundation Tier: 1 hour 15 mins / Higher Tier: 1 hour 30 mins

Weighting: 40%

Unit 3: Practical skills

Booklet A

- Externally marked
- Students carry out two pre-release practical tasks in the final year of study.
- Foundation and Higher Tiers: 2 hours

Weighting: 7.5%

Booklet B

- External written examination
- Students answer compulsory structured questions that require short responses, extended writing and calculations, all set in a practical context.
- Foundation and Higher Tiers: 1 hour

Weighting: 17.5%

Career Opportunities

A GCSE in Chemistry provides the opportunity for you to develop transferable skills that will benefit you in vocational training and employment, for example in the following areas:

Energy and the environment: Chemistry is helping us to cope with increasing pressures on energy, food, water and other natural resources.

Human health: Chemistry is helping to improve and maintain human health through the development of new and improved pharmaceutical drugs and drug delivery systems.

Lifestyle and recreation: In lots of different ways, chemistry is all around us.

CHILD DEVELOPMENT (CCEA)

Why Study Child Development?

Child Development is a broad, coherent course on the development of babies and small children (0–5 years). It encourages students to develop knowledge, understanding and skills, including practical skills.

Studying Child Development will develop skills that are transferable to a care setting environment such as team working, communication, time management and research.



What will I learn?

The course is divided into three units:

Unit 1: Unit 1: Parenthood, Pregnancy and the New-born Baby

In this unit, students learn about parental responsibilities, the development of a healthy pregnancy, the stages of labour, birth, and the care of a new-born baby. This unit is compulsory. It comprises of 7 units.

Unit 2: The Development of the child (0-5 Years)

In this unit, students learn about the needs of a child and the importance of all aspects of a child's health and development from 0–5 years. This unit is compulsory. It comprises of 8 units.

Unit 3: Investigation Task

In this unit, students carry out a task that develops unique transferable skills. Students use the given task title to choose one issue for further research. They plan and carry out activities to produce an outcome and then evaluate all aspects of the task.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Parenthood, Pregnancy and the New-born Baby

- External written examination (1 hour 15 mins)
- Students answer **ALL** questions from a core area of study.
- This examination will be completed at the end of Year 11.

Weighting:

30% of GCSE

Unit 2: The Development of the child (0-5 Years)

External written examination (1 hour 15 mins)

Weighting:

30% of GCSE

CONTROLLED ASSESSMENT:

Unit 3: Investigation Task

- Students complete ONE task from a choice of two. The titles are not released until 1 September of the academic year in which the award is made (Year 12).
- Teachers mark the design project, and CCEA visit centres to carry out moderation.

Weighting:

40 % of GCSE

Career Opportunities

Studying Child Development is an excellent foundation for careers working with children and young people in many sectors including health, education and social care. These skills can lead onto studying in further or higher education in a range of areas and potential careers such as:

- Early years/ Primary/ Special Needs teaching
- Social worker
- Teaching assistant
- Midwife
- Child psychotherapist
- Children's nurse
- Community development worker
- Counsellor
- Educational psychologist
- Speech and Language Therapist

DIGITAL TECHNOLOGY: OPTION A MULTIMEDIA ROUTE (CCEA)

Why Study Digital Technology?

Digital Technology is an innovative course which is a response to the current demand for digital skills and digital workers in Northern Ireland.

It incorporates aspects of computer science and information technology. It explores how we can use technology to create, store, process, analyse and present information in a digital context. This includes computer architecture, networks, web technology, digital media, programming tools and software applications.



What will I learn?

Option A: Multimedia Route

The course is divided into three units:

Unit 1: Digital Technology:

Pupils explore a range of digital technologies available for data storage, manipulation, presentation and transfer. They also evaluate the importance of data security and data legislation. This unit carries a weighting of 30% of the full qualification.

Unit 2: Digital Authoring Concepts:

Pupils gain an understanding of the concepts in the development of digital systems. This unit carries a weighting of 40% of the full qualification.

Unit 3: Digital Authoring Practice:

Pupils design, develop and test multimedia systems. This unit carries a weighting of 30% of the full qualification.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Digital Technology Core Content

- External written examination (1 hour)

Weighting:

30% of GCSE

Unit 2: Digital Authoring Concepts

- External written examination (1 hour 30 mins)

Weighting:

40% of GCSE

CONTROLLED ASSESSMENT:

Unit 3: Digital Authoring Practice

- Pupils are to design, develop, build and test multimedia systems

Weighting:

30% of GCSE

Career Opportunities

In today's technological world, Digital Technology is an important and worthwhile qualification. No matter what you decide to do when you leave school, the chances are that you will use digital systems. There are opportunities for IT and computing graduates across all industries, including retail, financial services, telecommunications, broadcast media, digital media, manufacturing, transport tourism, the public sector and healthcare – with strong growth and demand in cyber security, mobile development, cloud computing and the management of big data. These skills can lead onto studying in further or higher education in a range of areas and potential careers such as:

| | | |
|----------------------------------|----------------------|-----------------------------|
| • System Analyst | • Business Analyst | • Software Trainer |
| • Technical Sales Representative | • Teacher | • Software Tester |
| • IT Consultant | • Programmer | • Game Designer/Developer |
| • Web Designer | • Software Engineer | • Cyber Security Consultant |
| • Network Engineer | • Software Architect | |

***Please note:** Pupils should select either Digital Technology: Option A Multimedia Route or Option B: Programming Route. Both options cannot be chosen.

DIGITAL TECHNOLOGY: OPTION B PROGRAMMING ROUTE (CCEA)

Why Study Digital Technology?

Digital Technology is an innovative course which is a response to the current demand for digital skills and digital workers in Northern Ireland.

It incorporates aspects of computer science and information technology. It explores how we can use technology to create, store, process, analyse and present information in a digital context. This includes computer architecture, networks, web technology, digital media, programming tools and software applications.



What will I learn?

Option B: Programming Route

The course is divided into three units:

Unit 1: Digital Technology:

Pupils explore a range of digital technologies available for data storage, manipulation, presentation and transfer. They also evaluate the importance of data security and data legislation. This unit carries a weighting of 30% of the full qualification.

Unit 4: Digital Development Concepts:

Pupils analyse trends in software development and the concepts involved in designing and building digital systems using coded solutions. This unit carries a weighting of 40% of the full qualification.

Unit 5: Digital Development Practice:

Pupils design, develop and test coded solutions when creating digital systems. This unit carries a weighting of 30% of the full qualification.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Digital Technology Core Content

- External written examination (1 hour)

Weighting:

30% of GCSE

Unit 4: Digital Development Concepts

- External written examination (1 hour 30 mins)

Weighting:

40% of GCSE

CONTROLLED ASSESSMENT:

Unit 5: Digital Development Practice

- Pupils are to design, develop and test coded solutions when creating digital solutions

Weighting:

30% of GCSE

Career Opportunities

In today's technological world, Digital Technology is an important and worthwhile qualification. No matter what you decide to do when you leave school, the chances are that you will use digital systems. There are opportunities for IT and computing graduates across all industries, including retail, financial services, telecommunications, broadcast media, digital media, manufacturing, transport tourism, the public sector and healthcare – with strong growth and demand in cyber security, mobile development, cloud computing and the management of big data. These skills can lead onto studying in further or higher education in a range of areas and potential careers such as:

| | | |
|----------------------------------|----------------------|-----------------------------|
| • System Analyst | • Business Analyst | • Software Trainer |
| • Technical Sales Representative | • Teacher | • Software Tester |
| • IT Consultant | • Programmer | • Game Designer/Developer |
| • Web Designer | • Software Engineer | • Cyber Security Consultant |
| • Network Engineer | • Software Architect | |

***Please note:** Pupils should select either Digital Technology: Option A Multimedia Route or Option B: Programming Route. Both options cannot be chosen.

DRAMA (CCEA)

Why Study Drama?

The GCSE Drama specification allows pupils to develop their knowledge, understanding and skills in relation to drama. They will be expected to engage actively in the process of dramatic study and to work closely with other pupils in their group to create, develop and realise their performances.

They can choose between two pathways: performing (acting) or design (costume, lighting, multimedia, set or sound), and will study a set text and complete a written examination based on this.



What will I learn?

The course is divided into three components:

Component 1: Devised Performance

- Pupils will be expected to contribute to an assessed performance, according to their chosen pathway, and produce a student log at the end of the process, in which they record a summary, analysis and evaluation of their work and the work of others.

Component 2: Scripted Performance

- Pupils will be expected to create a theatrical interpretation or design concept that has meaning for a specified audience and contribute to the final performance, according to their chosen pathway.

Component 3: Knowledge and Understanding of Drama

- Pupils will be expected to develop an understanding of their set text and elements such as the use of language, style, genre and design and analyse and evaluate their own work and the work of others.

How is this subject assessed?

EXAMINATIONS:

Component 3: Knowledge and Understanding of Drama

- External written examination (1 hour, 30 minutes).
- Pupils will answer three questions using one set text.
- This examination is open book.

Weighting: 40% of GCSE

CONTROLLED ASSESSMENT:

Component 1: Devised Performance

- Externally moderated.
- Pupils will complete one group performance (15%) and complete their written log (10%).

Weighting: 25% of GCSE

Component 2: Scripted Performance (35%)

- Externally moderated.
- Pupils will select and interpret a published play script, and act in a group performance **or** present and realise their design concept in a group performance.

Weighting: 35% of GCSE

Career Opportunities

This course gives pupils the opportunity to explore a range of practical, creative, analytical and performance skills. The majority of careers and further study pathways increasingly require the range of skills developed through the qualification: presentation, collaboration, confidence, evaluation and innovation.

Studying GCSE Drama can lead to further study in the performing arts, a career in acting or design, or a wide variety of other careers that use the skills described above. The creative arts are a healthy and growing sector in Northern Ireland and GCSE Drama is a very relevant qualification.

FRENCH (CCEA)

Why Study French?

French is the language of culture. It enriches the mind, and opens up new horizons to the worlds of fashion, gastronomy, the arts and science. It is a major language of international communication spoken in 29 countries across five continents. Our aim is to give our pupils the best knowledge of French and the skills to use it effectively in the French-speaking world. We focus on embedding key vocabulary and grammatical structures from the outset, challenging our pupils through fun and engaging activities and resources. Through high expectations and strong support, we strive to motivate our pupils to achieve their full potential in every aspect of their learning in French.



What will I learn?

Pupils studying French for GCSE build on the skills and capabilities developed throughout Key Stage 3. Our aim is also to support progression to AS and A level study, further or higher education, vocational training and employment.

We follow the CCEA French specification, studying the following contexts:

1. Identity, Lifestyle and Culture;
2. Local, National, International and Global Areas of interest;
3. School life, Studies and the World of Work.

Within these Contexts French is used to:

- understand and respond to different types of spoken language;
- communicate and interact effectively in speech;
- understand and respond to different types of written language;
- communicate in writing.

How is this subject assessed?

Pupils will be assessed in the following Units at the end of Year 12:

Unit 1: Listening

- Written paper (45 minutes)
- 12 questions in English and French

Weighting: 25%

Unit 2: Speaking

- 2 role-plays
- 2 conversations on two contexts for learning
- 7-12 minutes with 10 minutes preparation time

Weighting: 25%

Unit 3: Reading

- Written paper (1 hour)
- 12 questions in English and French
- Translation from French to English

Weighting: 25%

Unit 4: Writing

- Written paper (1 hour 15 minutes)
- 4 questions – short question and answer sentences, translation from English to French, extended writing piece

Weighting: 25%

Career Opportunities

An increasing number of degree courses in medicine, dentistry, veterinary science, engineering and law are looking for students with a breadth of knowledge. Many express a particular interest in candidates with the required science background at A level coupled with a further rigorous academic subject. French can meet these demands and enhance the possibility of a placement abroad as part of a degree course. In addition to this, pupils who study French are considered to have well-developed interpersonal skills, greater travel potential, greater capabilities to establish business partnerships and access export markets, and, as a result, have access to more job opportunities. Although especially useful for jobs in business, management, travel and tourism, language skills are an essential part of professional life in general and are relevant to a wide range of varied professions such as:

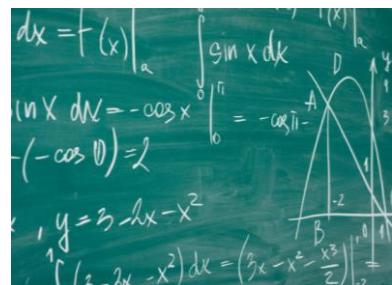
| | | | | | |
|-------------------|---------------------|--------------------|-----------|------------|-----------|
| Translation | Travel and Tourism | Communications | Teaching | Journalism | Marketing |
| Law/Civil Service | Business and Retail | Diplomatic Service | Lecturing | Banking | |
| Interpreting | Public Relations | | | | |

FURTHER MATHEMATICS (CCEA)

Why Study Further Mathematics?

The GCSE Further Mathematics specification encourages students to extend their mathematical skills, knowledge and understanding. It gives them opportunities to select and apply mathematical techniques and methods to everyday situations. It challenges and stretches students to broaden their mathematical knowledge to a more advanced level.

Students design mathematical models that allow them to use problem-solving strategies and apply a broad range of mathematics to different situations.



This qualification targets students who require knowledge of mathematics beyond GCSE Mathematics. It broadens the experience of students who are capable of working beyond the limits of GCSE Mathematics (Higher Tier) and those who want to progress to AS/A level courses.

Students will be offered the opportunity to study Further Mathematics based on their Summer assessment and their progress in Year 10.

What will I learn?

The areas of study are:

1. Pure Mathematics:

Students investigate algebra, trigonometry, differentiation, integration, logarithms, matrices and vectors.

2. Mechanics:

In this unit, students explore kinematics, vectors, forces, Newton's Laws of Motion and moments.

3. Statistics:

In this unit, students investigate central tendency and dispersion, probability, the binomial and normal distributions and bivariate analysis.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Pure Mathematics

External written examination in the form of a single question-and answer booklet that includes a formula sheet (2 hours)

Weighting: 50% of GCSE

Unit 2: Mechanics

External written examination in the form of a single question-and answer booklet that includes a formula sheet (1 hour)

Weighting: 25% of GCSE

Unit 3: Statistics

External written examination in the form of a single question-and answer booklet that includes a formula sheet (1 hour)

Weighting: 25% of GCSE

Career Opportunities

- Aerospace Engineering
- Civil Engineering
- Computer Science
- Electrical and Electronic Engineering
- Systems Engineering
- Chemical Engineering
- Chartered Accountant
- Investment Analyst
- Software and Electronic Engineering
- Structural Engineering
- Biomedical Engineer
- Actuary
- Tax consultancy
- Data Scientist
- Banking
- Teaching
- Research
- Systems Developer
- Financial Advisor
- Data Analyst
- Research Scientist

GEOGRAPHY (CCEA)

Why Study Geography?

Geography is a fascinating subject which is about understanding the real world. It looks at the relationships that exist between the physical world and humanity. Geography is multi-disciplinary and is regarded as both an Arts and a Science subject. It is about people and places and allows students to gain an understanding of current issues including climate change, migration, and the need to bridge the gap between the world's poorest and wealthiest people. It provides the right knowledge and skills needed to gain an understanding of the world outside the classroom – so important in a rapidly changing world.



Geography provides the transferable skills sought by universities and employers including problem-solving, researching, communication and evaluation.

According to the *Guardian*, 'Now, in a world that increasingly values people who can work across the physical and social sciences, geography's all the rage.' They also state that 'studying Geography encourages ways of seeing and thinking that make geographers eminently employable, which is why, according to the latest information from the Higher Education Careers Services Unit, only 5.8% of geography graduates were still job-hunting six months after they graduated, against an average of 7.3%.'

Our Geography lessons are engaging, dynamic and organised, ensuring that your learning is our top priority. We ensure you have full access to high quality student notes, while using interactive ways to learn the core content in class. In addition, you will have full access to past paper questions, allowing you to build up confidence and understanding in exam technique throughout both Year 11 and 12.

Come and join Team Geography!

What will I learn and how is this subject assessed?

| Unit 1: Understanding Our Natural World | Unit 2: Living in Our World | Unit 3: Fieldwork |
|---|---|--|
| <ul style="list-style-type: none">• River Environments• Coastal Environments• Our Changing Weather and Climate• The Restless Earth | <ul style="list-style-type: none">• Population and Migration• Changing Urban Areas• Contrasts in World Development• Managing Our Environment | Involves two days fieldwork at an Outdoor Field Centre (including overnight stay). Pupils will be examined on this fieldwork in Unit 3. |
| External written examination (1 hour 30 mins) | External written examination (1 hour 30 mins) | External written examination (1 hour) |
| The examination includes four multi-part questions, one on each theme. Students answer all four questions | The examination includes four multi-part questions, one on each theme. Students answer all four questions | Students base their answers on the data they collect on their Fieldwork. |
| Weighting: 40% of GCSE | Weighting: 40% of GCSE | Weighting: 20% of GCSE |

Career Opportunities

| | | | |
|--------------------------|-----------------------------|---------------------|------------------------------|
| • Accountant | • Coastal Engineer | • GIS Specialist | • Sustainable urban planning |
| • Aerial Surveyor | • Conservation | • Marketing | • Teacher |
| • Aid Worker | • Climate change researcher | • Meteorology | • Town Planner |
| • Banker | • Diplomat | • Pollution Analyst | • Travel and Tourism |
| • Cartographer | • Environmental Consultant | • Public Relations | • Travel Writer |
| • Census Data Specialist | • Expedition Leader | • Renewable energy | • TV Researcher |
| • Charity Officer | • Flood Protection | Scientist | • Urban Regeneration |
| • Civil Servant | Officer/Engineer | • Retail Management | • Urban Design |
| • Climate change | • Hazard Prediction | • Social Worker | • Vulcanologist |

GOVERNMENT AND POLITICS (CCEA)

Why Study Government and Politics?

Studying Government and Politics helps to develop your critical thinking and communication skills. It provides you with a sound basis for continuing study at further or higher education levels, either in Politics or other subjects. It will enhance skills such as interpreting and managing information, decision-making and problem-solving.



What will I learn?

The specification has two units:

- **Unit 1: Democracy in Action**

In this unit, students gain an awareness of the basic concepts related to political participation: the importance of elections in a democracy and the different ways in which young people can make their voices heard. The unit seeks to enhance students' understanding of decision-making and the role of political parties and pressure groups in a democracy. Students explore different views on issues such as education, the economy and immigration, as well as considering the role of the media in reporting political events and influencing public opinion. This unit allows students to appreciate the importance of political participation and how political participation may take different forms.

- **Unit 2: International Politics in Action**

In this unit, students gain an awareness of the challenges posed by an increasingly interdependent world. The unit allows students to explore a variety of organisations that operate on a global scale and how they respond to important global issues such as conflict resolution and migration. Students consider the local and national response of governments, individuals and groups to political issues and evaluate the effectiveness of their actions.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Democracy in Action

- External written examination
- One tier of entry
- 1 hour 30 mins

There are three sections:

- **Section A** includes questions that require short answers, recall and definitions.
- **Section B** includes questions on source material.
- **Section C** includes extended, evaluative questions.

Weighting: 50% of GCSE

Unit 2: International Politics in Action

- External written examination
- One tier of entry
- 1 hour 30 mins

There are three sections:

- **Section A** includes questions that require short answers, recall and definitions.
- **Section B** includes questions on source material.
- **Section C** includes extended, evaluative questions.

Weighting: 50% of GCSE

Career Opportunities

Studying Government and Politics is an excellent preparation for many careers and can open up opportunities for employment in areas such as:

| | | |
|--------------------------------------|--------------------------------------|---|
| • Civil Service fast streamer | • Public relations account executive | • Diplomatic Services operational officer |
| • Government social research officer | • Social researcher | • Human resources officer |
| • Politician's assistant | • Local government officer | • Market researcher |
| • Marketing executive | • Newspaper journalist | • Public relations officer |

HISTORY (CCEA)

Why Study History?

History is an academically rigorous subject that is highly regarded by universities and employers. It helps you to develop important skills such as participation in discussions and interpretation, analysis and presentation of information, analysing and evaluating perspectives, exploring unfamiliar views without prejudice and weighing up options and justifying decisions. All these holistic skills are very important life skills that support you in your future education and will help you develop as an inquiring, curious and critical thinker sparking a lifelong interest in making sense of the past.



What will I learn?

The course consists of:

Germany 1933-45

- Hitler takes political control, 1933–34
- Control and opposition
- Life for workers in Nazi Germany
- Life for women and the family in Nazi Germany
- Life for young people in Nazi Germany
- Life for the Jewish community and minorities in Nazi Germany
- Germany at war

Northern Ireland 1965-98

- The O'Neill years
- The campaign for civil rights
- A deteriorating situation, 1969–72
- The search for a political solution – attempt at power-sharing, 1973–74
- Changing Republican strategy
- Changing relations –towards closer co-operation
- The Downing Street Declaration, 1993
- The Good Friday Agreement, 1998

International Relations 1945-2003

- Co-operation ends and the Cold War begins
- Emerging superpower rivalry and its consequences, 1945–49
- Flashpoints in and outside Europe and the impact on international relations
- The end of the Cold War, 1985–91
- New tensions emerge, 1991–2003

How is this subject assessed?

EXAMINATIONS:

Unit 1

- Section A: Modern World Studies in Depth - Option 1: Life in Nazi Germany, 1933–45
- Section B: Local Study - Option 2: Changing Relations: Northern Ireland and its Neighbours, 1965–98
- External written examination (1 hour 45 mins)

Weighting: 60%

Unit 2:

- Outline Study International Relations, 1945–2003
- External written examination (1 hour 15 mins)

Weighting: 40%

Career Opportunities

Studying History can lead to a diverse range of further study opportunities and careers. While many of these are not directly related to the content you learn in History, it is the skills you develop when you are 'thinking like a historian' that make History a well-respected and attractive subject to universities and employers. Law, politics, civil service, business, marketing, finance, accountancy, journalism, economics, teaching, academia, insurance, social research, crime investigation, social work, archaeology and heritage offer a snapshot of the many career avenues that studying History can lead you down.

HOME ECONOMICS: FOOD AND NUTRITION (CCEA)

Why Study Home Economics?

The GCSE Home Economics: Food and Nutrition specification encourages students to develop knowledge and understanding of the science behind food. Topics include food provenance, food processing and production, macronutrients and micronutrients, government nutritional guidelines, and food safety. Students develop practical skills in food preparation, cooking and presentation.



They also gain knowledge, understanding and skills in areas such as:

- health issues associated with dietary and lifestyle choices
- the factors affecting how we buy food, what we buy and what we waste
- planning meals for people with specific nutritional and dietary needs

What will I learn?

The GCSE in Home Economics: Food and Nutrition is a linear qualification: students take all the assessment at the end of the course.

Component 1: Food and Nutrition: You will study: food provenance, food processing and production, food and nutrition for good health, energy and nutrients, macronutrients, micronutrients, fibre, water, nutritional and dietary needs, priority health issues, being an effective consumer when shopping for food, factors affecting food choice, food safety, resource management; and food preparation, cooking and presentation skills.

Component 2: Practical Food and Nutrition: Controlled assessment: practical activity and a written element

How is this subject assessed?

EXAMINATIONS:

Component 1: Food and Nutrition

- External written examination
- 2 hours
- 120 marks
- The written paper includes multiple-choice, short and structured questions, and questions requiring extended writing.

Weighting: 50%

CONTROLLED ASSESSMENT:

Component 2: Practical Food and Nutrition

- Controlled assessment
- 120 marks

You will research a given task title. You will then:

- justify a choice of dishes
- plan your practical
- carry out your practical
- evaluate all parts of the task

You will complete the written report according to the guidance materials and adhere to word counts.

Weighting: 50%

Career Opportunities

The course helps to prepare young people for adult life and independent living and also provides an excellent foundation for work in food-related industries or undertaking further study in this area.

Careers include Dietetics, Nutrition and Food Science, Human Nutrition, Food and Drinks Industry, Agri- Food Industry, Teaching, Nursing, Product Development, Hotel Management, Leisure and Tourism industry.

LEARNING FOR LIFE AND WORK (CCEA)

Why Study Learning for Life and Work?

Learning for Life and Work is an enjoyable, relevant and valuable subject which caters for all interests. It is central in helping young people develop the fundamental skills, knowledge, qualities and dispositions that are pre-requisites for life and work. Studying Learning for Life and Work provides opportunities to share your opinion, study topics relevant to daily life and understand the world we live in.



Studying Learning for Life and Work will develop skills that are transferable to all career paths such as problem solving, decision making, working with others, communication and literacy. Sensitive topics within LLW are taught in line with CCEA guidance.

LLW is a subject of significant importance within Glenlola Collegiate as it plays a central role in the delivery of the Preventative Curriculum and in providing Careers Education. Pupil voice indicates that this subject empowers our students to make responsible decisions throughout their lives.

What will I learn?

The course is divided into four units:

Unit 1: Local and Global Citizenship

Unit 2: Personal Development

Unit 3: Employability

Unit 4: Investigation (Controlled Assessment Task)

The Controlled Assessment task gives students opportunities to develop transferable skills and personal capabilities. The task carries a weighting of 40% of the full qualification. It is an investigation on a Personal Development or Citizenship topic. It comprises of:

- Planning
- Research
- Communicating Findings
- Self-Evaluation

How is this subject assessed?

EXAMINATIONS:

Unit 1: Local and Global Citizenship

- External written examination (1 hour)

Unit 2: Personal Development

- External written examination (1 hour)

Unit 3: Employability

- External written examination (1 hour)

Weighting:

60% of GCSE

Each module above carries a weighting of 20% of the full qualification.

CONTROLLED ASSESSMENT:

Unit 4: Investigation (Controlled Assessment Task)

- Students complete an investigation on a Personal Development or Citizenship topic.
- Teachers mark the investigation, and CCEA visit centres to carry out moderation.

Weighting:

40% of GCSE

Career Opportunities

Studying Learning for Life and Work will provide students with transferable skills such as creative thinking, analytical problem solving and effective teamwork. These skills can lead onto studying in further or higher education in a range of areas and potential careers in areas such as:

| | | | |
|-------------------|----------------------|--------------------|-----------------------|
| • Marketing | • Teaching | • Psychology | • Business Management |
| • Human Resources | • Social Work | • Customer Service | • Accountancy |
| • Research | • Politics | • Law | • Retail |
| • Public Services | • Financial Services | • Health Care | • Hospitality |

LEISURE, TRAVEL AND TOURISM (CCEA)

Why Study Leisure, Travel and Tourism?

The Leisure, Travel and Tourism industry is one of the largest industries in the world and is expected to grow in the future. It covers a whole spectrum of activities, from visiting a tourist attraction and going to a health club to eating in a restaurant or travelling abroad. At Glenlola Collegiate undertaking the GCSE in Leisure, Travel and Tourism gives you a broad knowledge and understanding of the Leisure, Travel and Tourism industry in Northern Ireland. You will also develop expertise and experiences into prosperous and emerging sectors in Northern Ireland through exploring Business, Retail and Distribution.



Numerous skills will also be gained including; working with others, self-managing information, time management, problem solving and ICT.

What will I learn?

The course is divided into three units:

Unit 1: Understanding the Leisure, Travel and Tourism Industry

This unit explores the important role that leisure, travel and tourism plays in today's society. Investigating areas such as, the range of activities people enjoy in their leisure time, leisure, travel and tourism organisations and visitor attractions that appeal to visitors.

Unit 2: Promoting and Sustaining the Leisure, Travel and Tourism Industry

This unit explores how organisations promote products and services. In addition, students will investigate economic, social and environmental impacts of tourism, methods used to promote sustainability and marketing concepts prevalent in the leisure, travel and tourism industry.

Unit 3: Working in the Leisure, Travel and Tourism Industry

This unit explores the importance of customer service in the leisure, travel and tourism industry. It also directly links with careers education exploring employment opportunities and the skills and personal qualities required to achieve success in the industry.

How is this subject assessed?

EXAMINATIONS:

Completed in Year 11

Unit 1: Understanding the Leisure, Travel and Tourism Industry

- External written examination (1 hour 30 mins)

Weighting:

40% of GCSE

Completed in Year 12

Unit 2: Promoting and Sustaining the Leisure, Travel and Tourism Industry

- External written examination (1 hour 30 mins)

Weighting:

40% of GCSE

CONTROLLED ASSESSMENT:

Completed in Year 11 and 12

Unit 3: Working in the Leisure, Travel and Tourism Industry

- Students complete two tasks (each worth 50% of the marks for this unit).
- This unit is time bound.
- The tasks are set and moderated by CCEA.

Weighting:

20% of GCSE

Career Opportunities

Studying Leisure and Tourism will develop a range of employability skills that students can implement into one of the fastest growing industries in the Northern Ireland economy.

These transferable skills can lead onto studying in further or higher education in a range of areas and potential careers such as:

| | | | |
|--------------------------|-------------------------|-----------------------|--------------------------|
| • Hotel Management | • Conference Organisers | • Park Rangers | • Restaurant Management |
| • Events Management | • Tourist Guides | • Fitness Instructors | • Travel Consultants |
| • Hospitality Management | • Leisure Assistants | • Air Cabin Crew | • Resort Representatives |

MOVING IMAGE ARTS (CCEA)

Why Study Moving Image Arts?

Our culture is largely shaped by audio-visual discourse and this subject is about understanding that discourse in both a critical and a hands-on sense. Students learn to critique moving image products using the visual grammar (or *film language*) in which they are created. They learn about the historical context of film production within a framework of genre and representation.

Opportunities are given to acquire skills in animation, sound, camera and editing. In the second year, students will develop an idea for their own short film which they will storyboard, shoot and edit using the visual grammar which they have learned in the first year.



What will I learn?

The course is divided into three units:

Component 1: Critical Understanding of Creative and Technical Moving Image Production

Component 2: Acquisition of Skills in Moving Image Production

Component 3: Planning and Making a Moving Image Product

How is this subject assessed?

EXAMINATIONS:

Component 1: Critical Understanding of Creative and Technical Moving Image Production

Compulsory **online examination** (1 hour 30 mins)

The examination features:

- a range of previously unseen audio and visual stimuli and short film sequences;
- questions that assess knowledge and understanding of film language, practices, techniques and contexts;
- scenario-based questions that assess creative and production management skills

Weighting: 40% of GCSE

CONTROLLED ASSESSMENT:

Component 2: Acquisition of Skills in Moving Image Production

Compulsory **controlled assessment tasks**

Students complete **four** tasks specified in the Component 2 Task Booklet:

- storyboarding;
- camera and editing;
- sound; and
- animation

Weighting: 20% of GCSE

Component 3: Planning and Making a Moving Image Product

Compulsory **controlled assessment portfolio**

Students produce a live-action or animated film portfolio from a selection of genre-specific production briefs that we provide.

The portfolio must feature:

- a research analysis;
- preproduction material;
- a completed moving image product; and
- an evaluation.

Weighting: 40% of GCSE

Career Opportunities

This subject has been developed in the context of both the wider creative industries and the emerging but dynamic local Film & Television production scene. Apart from being an enjoyable experience with many skills which are transferable to other careers areas, the study of Moving Image Arts is appropriate for a range of careers and entrepreneurial opportunities within the creative industries. This would include the many diverse roles within Film, TV, Advertising, Games development, Mobile App development and Animation. It is also important to recognise that there are many emerging creative technologies with as-yet undefined career opportunities which are based on the moving image.

MUSIC (CCEA)

Why Study Music?

Music is a vibrant and exciting subject that nurtures a wide range of skills essential to all other subjects. Nowhere in any other one subject are so many skills found. Music promotes confidence, self-assurance, conversational skills; enhances co-operation, literacy; encourages self-evaluation; develops creativity, a sense of empathy and emotional control, listening and analytical skills and allows a pupil to demonstrate their own individuality. Music is, therefore, an exceptional subject, offering an opportunity to develop and enhance a wide range of skills.



Nobody can be outstanding in all aspects of this exciting subject, but music gives a pupil the opportunity to allow their strengths to help with the areas in which they feel less confident.

What will I learn?

The course is divided into three units:

Unit 1: Performing and Appraising

This unit comprises of a performance, lasting no more than 6 minutes, and a short discussion and evaluation lasting approximately 3 minutes

Unit 2: Controlled Assessment

This unit comprises of two compositions and a short commentary on their work.

Unit 3: Listening and Appraising

This unit is a written examination based on familiar and unfamiliar music based on areas of study.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Performing and Appraising

This unit is externally examined and comprises of:

- One solo and an ensemble performance, lasting no more than 6 minutes (30%)
- A short discussion and evaluation with the visiting examiner, lasting approximately 3 minutes (5%)

Weighting: 35% of GCSE

Unit 3: Listening and Appraising

This unit is an externally assessed written examination lasting 1 hour 30 minutes. Students will be asked questions based on the following areas of study:

- Western Classical music
- Film Music
- Musical traditions in Ireland
- Popular Music 1980 – present day

Weighting: 35% of GCSE

CONTROLLED ASSESSMENT:

Unit 2: Composition

This unit is internally marked and externally moderated and comprises of:

- Two compositions (one in response to a pre-release stimulus and one free choice)
- A written account of their pieces (no more than 600 words)

Weighting: 30% of GCSE

Career Opportunities

There are many opportunities within the following categories:

- Composing
- Performing
- Facility, Arena and Club Management
- Film, Radio and Television Music
- Musical Theatre
- Music Business
- Video Gaming
- Music Librarian
- Instrumental Repairs
- Music and Health
- Music Engineering
- Recording Industry
- Music Journalism
- Music Legal Industry
- Music Education
- Technical and Sound Control
- Musical Technology Consultancy
- Music Accountancy

PHYSICAL EDUCATION (CCEA)

Why Study Physical Education?

The GCSE Physical Education specification develops students' understanding of health, physical fitness and the role of the active leisure industry in improving health and fitness. Students learn about how the body works, the factors that can affect health, and how to plan and lead a healthier lifestyle. A practical element reinforces students' theoretical learning. They choose the physical activities and/or sports they want to perform from a list that we have designed to cover as many options as possible.



We recommend that pupils participate in at least one school or extracurricular sports club. Pupils should also have a 'B' in Year 10 Biology.

What will I learn?

The course is divided into three units:

Component 1: Factors Underpinning Health and Performance.

This component is organised into the following three sections:

- 3.1.1 The Body at Work
- 3.1.2 Health and Lifestyle Decisions
- 3.1.3 The Active Leisure Industry

Component 2: Developing Performance

This component is organised into the following two sections:

- 3.2.1 Developing Physical Fitness for Performance; and
- 3.2.2 Developing Skilled Performance.

Component 3: Individual Performances in Physical Activities and Sports

Students must perform **three** physical activities or sports from the list that is supplied by CCEA. At least **two** of the activities or sports must be centre controlled and carried out under teachers' direct supervision. Students may be assessed in only **one** activity or sport with no direct teacher supervision.

How is this subject assessed?

EXAMINATIONS:

Component 1: Factors Underpinning Health and Performance.

- External written examination (1 hour 15 mins)

Weighting:

25% of GCSE

Component 2: Developing Performance

- External written examination (1 hour 15 mins)

Weighting:

25% of GCSE

CONTROLLED ASSESSMENT:

Component 3: Individual Performances in Physical Activities and Sports

- Students perform **three** physical activities and/or sports from the list that is supplied by CCEA.
- Students evaluate and analyse their performance and others in one of their centre controlled physical activities.

Weighting:

50% of GCSE

Career Opportunities

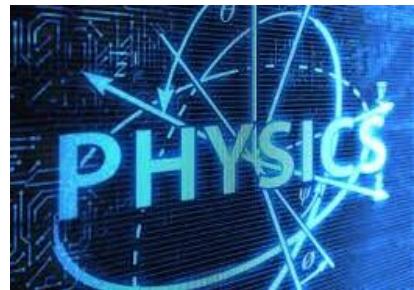
Physical Education will develop a range of skills including communication skills, social skills, analytical skills and physical fitness. Careers that PE may lead to include:

| | | | |
|----------------------|------------------------------|-------------------|------------------|
| • PE Teacher | • Sports Development Officer | • Physiotherapist | • Sports Manager |
| • Dietician | • Fitness Analyst | • Nutritionist | • Sports Coach |
| • Fitness Instructor | | • Sports Medicine | |

Why Study Physics?

GCSE Physics provides you with opportunities to develop and demonstrate your mathematical and problem solving skills. You will learn about how the physical world works and the scientific laws that govern it. The skills in analysis and evaluation you will develop will be a valuable preparation for all careers but particularly in Science and Engineering.

Skills developed include: Numeracy, Literacy, Using ICT, Technical skills, Oral communication, Problem solving, Analytical thinking and others



What will I learn?

The course consists of three units:

Unit 1: Motion, Force, Moments, Energy, Density, Kinetic Theory, Radioactivity and Nuclear Fission and Fusion

Unit 2: Waves, Light, Electricity, Magnetism, Electromagnetism and Space Science

Unit 3: Practical Skills

How is this subject assessed?

EXAMINATIONS:

Unit 1: Motion, Force, Moments, Energy, Density, Kinetic Theory, Radioactivity and Nuclear Fission and Fusion

External written examination (1 hr 30 mins)

Students answer compulsory structured questions that include short responses, extended writing and calculations

Weighting: 37.5%

Unit 2: Waves, Light, Electricity, Magnetism, Electromagnetism and Space Science

External written examination (1 hr 30 mins)

Students answer compulsory structured questions that include short responses, extended writing and calculations

Weighting: 37.5%

Unit 3: Practical Skills

Two components, both of which are externally assessed:

- Booklet A: During Year 12 pupils complete 2 practicals in class

Weighting: 7.5%

- Booklet B: An external examination paper which lasts 1 hour. Students answer compulsory structured questions that include short responses, extended writing and calculations, all set in a practical context

Weighting: 17.5%

Career Opportunities

In most universities it is a requirement for: Medicine, Dentistry, Veterinary, Engineering, Optometry and Radiography

It is useful for: Physiotherapy, IT careers, Software Programming, Accountancy, Teaching, Telecommunications and many more

Further Information available from:

- <http://ccea.org.uk/physics/>

SINGLE AWARD SCIENCE (CCEA)

Why Study Single Award Science?

GCSE Single Award Science provides a broad, coherent and practical course that develops confidence in and a positive view of science.

It encourages you to appreciate the value of science in your life and in the wider world.



What will I learn?

The course consists of four units:

Unit 1: Biology

Cells, Food and Diet, Chromosomes and Genes, Co-ordination and Control, Reproductive Systems, Variation and Adaptation, Disease and Body Defences, and Photosynthesis.

Unit 2: Chemistry

Acids, bases and salts, Elements, Compounds and Mixtures, Atomic structure and Periodic Table, Bonding, Materials, Symbols, formulae and equations, Qualitative Analysis, Metals and the reactivity series, Rates of Reaction and Organic chemistry.

Unit 3: Physics

Electrical circuits, Household Electricity, Energy, Electricity generation, Heat transfer, Waves, Road transport and safety reducing reliance on fossil fuels, Radioactivity and Earth in space.

Unit 4: Practical Skills

How is this subject assessed?

EXAMINATIONS:

Unit 1: Biology

- External written examination (1 Hour)
- Students answer compulsory structured questions that include short responses, extended writing and calculations

Weighting: 25%

Unit 2: Chemistry (As for Unit 1)

Weighting: 25%

Unit 3: Physics (As for Unit 1)

Weighting: 25%

Unit 4: Practical Skills

Two components, both of which are externally assessed:

- Booklet A: During Year 12 pupils complete 2 practicals in class
Weighting: 7.5%
- Booklet B: An external examination paper which lasts 1 hour. Students answer compulsory structured questions that include short responses, extended writing and calculations, all set in a practical context
Weighting: 17.5%

Two of these units are examined as they progress through the course in Year 11 and 12 and the final two units are completed as part of the CCEA external examinations in May and June of Year 12.

Career Opportunities

Single Award Science is accepted as a relevant Science GCSE for careers such as primary teaching, nursing, midwifery and others.

***Please note:** This course does not allow progression to Biology, Chemistry or Physics at A Level. A grade 'A' or 'A*' in Single Award Science with a grade 'B' in Mathematics may allow progression to Life and Health Sciences at A Level.

SPANISH (CCEA)

Why Study Spanish?

Spanish is one of the world's most widely spoken languages and the official language of twenty-one nations. As well as in Spain itself, virtually all the Latin American republics speak Spanish and it has been calculated that at the beginning of this century the total number of people speaking Spanish as a first language, exceeded 400 million. Studying Spanish develops the skills of Reading, Writing, Listening and Speaking, skills which are transferable to a wide range of careers.



What will I learn?

Students develop their knowledge and understanding by studying three Contexts for Learning:

Unit 1: Identity, Lifestyle and Culture

Unit 2: Local, National, International and Global Areas of Interest

Unit 3: School Life, Studies and the World of Work

They use Spanish across the range of Contexts to:

- Understand and respond to different types of spoken language (Listening)
- Communicate and interact effectively in speech (Speaking)
- Understand and respond to different types of written language (Reading); and
- Communicate in writing (Writing)

How is this subject assessed?

EXAMINATIONS:

Unit 1: Listening

- assessed by examination paper
- Foundation Tier: 35 minutes / Higher Tier: 45 minutes

Weighting: 25%

Unit 2: Speaking

- assessed by speaking examination conducted by the teacher and marked by CCEA
- examination comprises two role-plays and a general conversation and takes 7-12 minutes

Weighting: 25%

Unit 3: Reading

- assessed by examination paper
- Foundation Tier: 50 minutes / Higher Tier: 1 hour

Weighting: 25%

Unit 4: Writing

- assessed by examination paper
- Foundation Tier: 1 hour / Higher Tier: 1 hour 15 minutes

Weighting: 25%

Career Opportunities

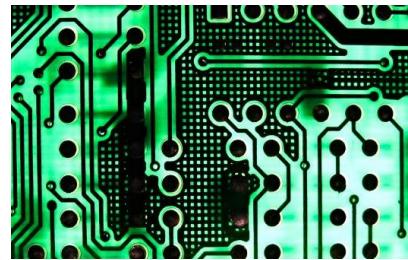
An increasing number of degree courses in medicine, dentistry, veterinary science, engineering and law are looking for students with a breadth of knowledge. Many express a particular interest in candidates with the required science background at "A" level coupled with a further rigorous academic subject.

A modern language can meet these demands and enhance the possibility of a placement abroad as part of a degree course. Although especially useful for jobs in business, management, travel and tourism, language skills are an essential part of professional life and are relevant to a wide range of varied professions.

TECHNOLOGY AND DESIGN (CCEA)

Why Study Technology and Design?

Technology and Design is a progressive, creative and exciting subject that will always be in demand and because it is challenging, those studying it stand out from the crowd. Technology and Design at Glenlola Collegiate maintains a top GCSE results record and the opportunities for women in Engineering are abundant. Studying Technology and Design provides opportunities to tackle and resolve design and technological problems to meet needs within a range of contexts.



It will develop skills that are transferable to all industries such as problem solving, decision making, innovation, project management, team working and communication.

What will I learn?

The course is divided into three units:

Unit 1: Technology and Design Core Content

This unit is compulsory. It comprises of 6 topics:

- Designing
- Manufacturing
- Electronic Control Systems
- Mechanical Control Systems
- Pneumatic Control Systems
- Computer Control Systems

Unit 2: Optional Areas of Study

In Glenlola Collegiate School we study **Option A: Electronic and Microelectronic Control Systems**.

Unit 3: Design and Manufacturing Project

This unit is compulsory and carries a weighting of 50% of the full qualification. It is marked out of 100. The project allows students to demonstrate their ability to design and manufacture a product.

How is this subject assessed?

EXAMINATIONS:

Unit 1: Technology and Design Core Content

- External written examination (1 hour 30 mins)
- Students answer **10** questions from a core area of study.

Weighting: 25% of GCSE

Unit 2: Electronic and Microelectronic Control Systems

External written examination (1 hour 30 mins)

Weighting: 25% of GCSE

CONTROLLED ASSESSMENT:

Unit 3: Design and Manufacturing Project

- Students complete a design project comprising a design portfolio and an associated manufacturing task.
- Teachers mark the design project, and CCEA visit centres to carry out moderation.

Weighting: 50% of GCSE

It comprises of:

- A Design portfolio (25%)
- Manufacturing a practical outcome (25%)

Career Opportunities

Technology and Design will develop skills in identifying problems and creating solutions, developing design ideas, practical skills in hand, machine and CAD/CAM techniques, critical thinking and self-evaluation. These skills can lead onto studying in further or higher education in a range of areas and potential careers such as:

| | | | |
|---|---------------------------------------|--------------------------------|--------------------------|
| • Aerospace Engineering | • Product Design Engineering | • Set/Special Effects Designer | • Automotive Technology |
| • Chemical Engineering | • Product Development | • Performing Arts Technician | • Motorsport Engineering |
| • Civil Engineering | • Software and Electronic Engineering | • Technical Stage Manager | • Dental Technology |
| • Computer Science | • Structural Engineering | • Web Designer | • Medical Technology |
| • Electrical and Electronic Engineering | • Biomedical Engineer | • Prosthetics | • Teaching |
| • Systems Engineering | | | • Graphic Design |
| • Product Design | | | • Architecture |



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