



**ARD – SGHIL  
MHCNEACAIL**

**THE  
NICOLSON  
INSTITUTE**

**Taghadh Chuspairean**

**S3**

**SUBJECT**

**OPTIONS**

**2024 – 2025**



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## **Foreword**

Our curriculum aims to help prepare children and young people with the knowledge and skills they need in a fast-changing world. As part of Curriculum for Excellence, all children from pre-school to the end of S3 will receive a rounded education known as a Broad General Education (BGE). Curriculum for Excellence is all about bringing real life into the classroom and taking lessons beyond it. In line with their CfE entitlement, pupils learn in all 8 curricular areas until the end of S2, and will make course choices towards the end of S2.

In The Nicolson Institute we want to support every child in planning their learning pathway. As pupils move into the final year of Broad General Education (BGE) there is a narrowing of the curriculum offer to prepare pupils for studying courses leading into National Qualification in S4.

All pupils in S2 will be supported in their course choice decisions by the Guidance Team, Subject Teachers, Support for Learning Staff and their Year Group Head. Our partners in SDS and the University of the Highlands and Islands (UHI) will also support young people in making the best choices which will lead to the best chances of attainment for all our young people.

Ms J Cairns

Rector

# INTRODUCTION

## Curriculum for Excellence (CfE)

### S3

Under CfE, all pupils will continue with their Broad General Education (BGE) in S3.

The Options form has been designed to enable pupils to choose a subject from each area of the curriculum. This provides a platform for continuing with subjects in S4 and beyond in order to gain National Qualifications.

Nearly all pupils will study eight subjects in S3 before reducing to seven on S4. This will enable them to study these subjects in greater depth and obtain better grades.

**In S3, pupils will get five periods of Maths and English, and three periods in all other subjects. In addition, pupils will have Core PE, RME, PSE and a Wider Achievement period.**

To help in the decision-making process, the school has produced this **S3 Subject Options Booklet**. It is hoped that the information in the booklet will assist pupils and parents in making realistic selections from the Choice Form.

In the coming weeks, much discussion on subject options will take place between pupils and Guidance staff. To help your child make a suitable and balanced choice, please make use of:

- **Parents' Evening (Wed 30th Jan)**
- **S2-3 Options - Parents' Information Evening (Wed 7<sup>th</sup> Feb)**
- **Careers information available in class, through Skills Development Scotland, their computerised information systems and presence at Parents' Evenings.**
- **Vital information about subject choice, course qualifications and career opportunities is available on the following website [www.myworldofwork.co.uk](http://www.myworldofwork.co.uk)**

# Qualifications Overview



## **What is the scottish credit and qualifications framework (scqf)?**

- It's Scotland's lifelong learning framework – designed to help people of all ages and circumstances to access appropriate education and training over their lifetime, so as to fulfil their personal, social and economic potential
- It helps people understand qualifications and how they relate/compare to one another
- It helps people plan their learning and provides a mechanism for making better informed choices
- It recognises people's learning and gives them credit for what they've achieved.

## **Through our Option forms across all years we are ensuring that we:**

- Support flexible learning pathways for learners across SCQF levels.
- Develop pathways and progressions through the curriculum.
- Promote a greater understanding of different learning programmes on the Framework and how these can be utilised across subjects.

## THE SCOTTISH CREDIT AND QUALIFICATIONS FRAMEWORK

The Framework diagram has been produced to show the relationship between Scottish qualifications already credit rated by SQA and HEIs. However, there are a diverse number of learning programmes on the Framework, which, due to the limitations of the format, cannot be represented here. For more information, please visit the SCQF website at [www.scqf.org.uk](http://www.scqf.org.uk) to view the interactive version of the Framework or search the Database.

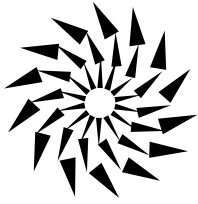
SCQF Levels	SQA Qualifications		Qualifications of Higher Education Institutions	Apprenticeships & SVQs
12			Doctoral Degree	Professional Apprenticeship
11			Masters Degree, Integrated Masters Degree, Post Graduate Diploma, Post Graduate Certificate	Graduate Apprenticeship Professional Apprenticeship SVQ
10			Honours Degree, Graduate Diploma, Graduate Certificate	Graduate Apprenticeship Professional Apprenticeship
9			Bachelors / Ordinary Degree, Graduate Diploma, Graduate Certificate	Graduate Apprenticeship Technical Apprenticeship SVQ
8		Higher National Diploma	Diploma Of Higher Education	Higher Apprenticeship Technical Apprenticeship SVQ
7	Advanced Higher, Awards, Scottish Baccalaureate	Higher National Certificate	Certificate Of Higher Education	Modern Apprenticeship SVQ
6	Higher, Awards, Skills for Work Higher			Modern Apprenticeship Foundation Apprenticeship SVQ
5	National 5, Awards, Skills for Work National 5			Modern Apprenticeship SVQ
4	National 4, Awards, Skills for Work National 4	National Certificate	National Progression Award	SVQ
3	National 3, Awards, Skills for Work National 3			
2	National 2, Awards			
1	National 1, Awards			

A timeline of how qualifications have changed over the decades is shown below.

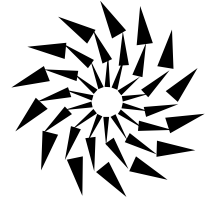


We now have different types of qualification that are equivalent in value to a National 5 courses such as National Progression Awards and Skills for Work courses.

There is a similar story for National 4 and National 3 levels, and at Higher Level we have Foundation Apprenticeships and National Progression Awards



## SUBJECT CHOICE - OPTIONS



Before filling in the Choice Form it is important that pupils follow the proper procedure.

**Read pages 9 to 45 of this booklet carefully.** Here you will see an outline of all the subjects being offered next session in S3.

- In considering subject areas, ask yourself these questions:  
What am I good at?  
What am I interested in?
- Consider the subjects you are now taking and ask yourself about each in turn.  
Do I like it?  
Am I making reasonable progress in it?  
Will it be likely to help with my career?
- If you have specific career areas in mind, ask two questions about these.  
What sort of personal qualities are required?  
What qualifications are needed?
- Think about the 3rd year subjects which are new to you.
- Find out which of these could help with your career.

The choice of subjects for study in S3 is **NOT** a completely free choice. You need a **BROAD and BALANCED** course of study. For this, subjects should be chosen from the key areas.

**GME: Pupils in Gaelic Medium Education should ensure that their choices include GME courses in order to progress their Gaelic literacy skills. GME options: Gàidhlig (Column 5 or 8) and Nuadh-eòlas (Modern Studies) or Eachdraidh (History) in column 4.**

### REMEMBER

1. **BALANCE** should be maintained.
2. **OVER-SPECIALISATION** should be avoided.

### Careers Advice

Skills Development Scotland staff will offer you careers information, advice and guidance to help plan for the future. We offer guidance interviews that take place in our office as well as coming to the school to deliver group work.

Your contacts for each House are as follows:-

Addison & Forbes  
Gibson & Macrae  
Sutherland

Christine Munro [christine.munro@sds.co.uk](mailto:christine.munro@sds.co.uk)  
Ashley Macleod [ashley.macleod@sds.co.uk](mailto:ashley.macleod@sds.co.uk)  
Shared between Christine and Ashley.

### Careers Interviews

In S4 you will be invited to attend a careers interview after you have met Careers staff in your guidance classes.

In S5-6 you can get an appointment, drop in or arrange an appointment via your Guidance Teacher.

Skills Development Scotland  
Careers Office  
Town Hall  
Stornoway  
HS1 2BJ

Tel: 01851 708900

Mon - Thurs 09:00 to 17:00  
Fri 09:00 to 16:00

### Parents' Evenings

Careers staff will be attending these events throughout the year to provide information and advice on subject choice, entry requirements, training opportunities and career prospects.

### Post School Support

Even if you leave school, you can still get support from careers staff. Contact us at the above address.

### Links

[www.myworldofwork.co.uk](http://www.myworldofwork.co.uk)  
[www.skillsdevelopmentscotland.co.uk](http://www.skillsdevelopmentscotland.co.uk)





# Administration



## Broad General Education

Your broad general education in Administration in S3 will help you develop the following skills and knowledge:

### Skills

- Word processing, desktop publishing and the layout of business documents
- Using spreadsheets
- Using databases
- Searching for and communicating information
- Use of multimedia presentation software
- Use of electronic mail

### Knowledge

- The role of administration in the workplace
- The organisation and functions of different departments within an organisation
- Office layout and safe working practices within the office environment

### Nationals

Depending on your progress, in S4 you will take either the National 4 or National 5 course.

In these courses you will:

1. Further develop your knowledge and practical skills in word processing, spreadsheet and database applications
2. Develop searching skills by finding and downloading relevant, reliable information from the internet and from the local network
3. Use various technologies (multimedia presentation, desktop publishing, e-mail, etc.) to prepare and communicate information to an audience
4. Learn more about the role of administration in the workplace
5. Learn about and carry out administrative tasks in organising and supporting a small-scale event

### Possible career paths

There are many careers where a qualification in Administration is of direct relevance, e.g. administrative and clerical assistant, office manager, receptionist, sports centre manager, travel agency consultant, etc. Whatever career path you choose, the study of Administration will provide useful and transferable skills which will prepare you for the next stage in your academic or vocational education or to directly enter the world of work



# Art & Design



## Broad General Education

Your broad general education in Art & Design in S3 will help you develop the following skills and knowledge:

### Skills

- handling a variety of materials, media and technologies using a range of processes and techniques
- expressing personal thoughts, feelings and ideas; developing creative problem solving and critical thinking skills; evaluating and critically appreciating your own work and the work of your peers

### Knowledge

- how artists and designers work and the different areas they work in; historical and contemporary art and design practice
- how to investigate themes, develop ideas and produce solutions to problems

### Nationals

Depending on your progress, in S4 you will take either the National 4 or the National 5 course.

The aims of the courses are to enable learners to:

1. Communicate and express personal thoughts, feelings and ideas using a variety of media, materials, techniques and technologies.
2. Demonstrate knowledge, understanding and appreciation of art and design practice and social and cultural influences on artists and designers and their work.
3. Work imaginatively and develop individual creativity through Art & Design work, developing skills in problem solving, critical thinking and reflective practice.

### Possible career paths

- Design - product, graphics, jewellery, fashion, textiles, interior, ceramics
- Multi media - graphic design, illustration, web design, computer game design, animation, interactive media design, film, TV and photography
- Fine Art - drawing & painting, printmaking, environmental/public art, sculpture
- Theatre, stage, costume and set design
- Architecture (Art & Design is recommended for a large number of courses in this area)
- Engineering (Art & Design can be important for creative engineering courses involving design)
- Teaching - Art & Design secondary education and primary education
- Business Courses (fashion marketing), Art & design history, gallery/exhibition work

### Pupil review

*"I enjoyed Art & Design in third and fourth year. It allowed me to show and expand my abilities and encouraged me to carry on with the course into S5."*



# Biology



## Broad General Education

Your broad general education in Biology in S3 will help you develop the following skills and knowledge:

### Skills

- plan, design and evaluate experimental procedures to test biological concepts
- select, interpret and present relevant information from a biological context
- apply biological knowledge, interpreting information and solving problems

### Knowledge

- develop an understanding of cell processes and systems
- discover how micro-organisms are utilised in the food and medical industries.
- describe the processes and systems required to sustain life in multi-cellular plants and animals
- study biodiversity, ecological relationships and how living things are adapting through the process of evolution

## Nationals

Depending on your progress, in S4 you will take either the National 4 or National 5 course.

In these courses, you will:

1. Continue to investigate the living world and identify areas where modern biological technologies are developing.
2. Investigate the applications of Biology in society.
3. Enable learners to develop informed ethical and moral views on topical biological issues from scientific literature.

You will do this by completing the following topics:

Cell Biology  
Multi-cellular Organisms  
Life on Earth

## Possible career paths

- Medicine, Veterinary Medicine, Nursing
- Agriculture, Aquaculture, Horticulture, Gardening and Landscape Design
- Zoologist, Marine Biologist, Botanist
- Environmental Scientist, Ecologist
- Biochemist, Pharmacist, Physiotherapist
- Forensic Science, Laboratory or Hospital Technician



# Business Management

## Broad General Education



Business plays an increasingly important role in our society. We all rely on businesses and entrepreneurs to create wealth, prosperity, jobs and choices. This course introduces you to the world of business and helps you to appreciate the importance of business. Your broad general education in Business Management in S3 will help you to develop the following skills and knowledge:

### Skills

- Practical skills in preparing and presenting financial information and documents to help in making financial decisions
- Practical skills in selecting and using appropriate software to carry out a range of tasks which support business and entrepreneurial activities

### Knowledge

- Knowledge and understanding of the organisation of a business and how the different Departments and personnel contribute to the success or failure of the business
- Awareness of the different finance options available for setting up and supporting businesses
- An understanding of the internal and external factors that influence planning and decision making within a business
- Knowledge of how economic factors can influence individuals, businesses or communities

### Nationals

Depending on your progress, in S4 you will follow either the National 4 or National 5 course.

In these courses you will further develop:

1. Your knowledge and understanding of business concepts in a range of contexts
2. Awareness of the processes and procedures businesses use to ensure customers' needs are met
3. Enterprising skills and enterprising attributes by participating in practical activities in realistic business situations
4. Financial awareness through business contexts
5. Economic awareness by gaining an insight into the impact of the economy on businesses and our daily lives

### Possible career paths

A main feature of all Business courses is the development of enterprise and employability skills. You will gain a better understanding of the personal qualities and attributes required of people involved in business. Anyone thinking of a career in business, whether working within a business or running your own, would greatly benefit from this course. Possible careers include management, accounting, retail, customer service, administration and banking.



# Chemistry

## Broad General Education



Your broad general education in Chemistry in S3 will help you develop the following skills and knowledge:

### Skills

- scientific inquiry and investigation using various practical techniques
- accurate use of scientific language, formulae and equations
- drawing valid conclusions and giving explanations supported by evidence

### Knowledge

- understanding of main concepts in chemistry
- understanding of the environment and the world around you
- understanding the responsible use of the Earth's resources

### Nationals

Depending on your progress, in S4 you will take either the National 4 or National 5 course. In these courses you will:

1. Continue to develop scientific and analytical skills in a chemistry context.
2. Develop problem solving skills within a chemistry context.
3. Acquire and apply knowledge and understanding of chemistry concepts.
4. Develop an understanding of relevant applications of chemistry in society.
5. Develop an understanding of how chemical products are formed.
6. Enable learners to develop informed ethical and moral views on topical chemical issues from scientific literature.

You will do this by completing the following topics:

- Chemical Changes and Structure
- Nature's Chemistry
- Chemistry in Society

### Possible career paths

- Chemical engineer
- Environmental chemist, Biochemist
- Medicine, Pharmacist
- Forensic, analytical or research scientist
- Laboratory technician
- Teacher

# Computer Games Development

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## Broad General Education

The NPA in Computer Games Development introduces learners to skills that are important in the Computer Games industry such as the genres, trends and emerging technologies of the computer games industry. This suite of awards provides a foundation in techniques that are important to the sector, such as digital planning and design, creation of media assets, and development and testing — while also developing employability skills and Core Skills through enterprise activities.

This qualification covers core areas such as design, media assets and development. Coding is also an important part of this qualification. The award will improve learners' computational thinking skills — an area that is gaining recognition as a vital 21st century competence — and stimulate interest in computer science among young learners.

## National Level

In S4 you will work towards your NPA in Computer Games Design where you will look at the following topics:

- **Design** - covers the customisation of assets so that they can be included in a specific games environment
- **Media Assets** - covers the identification and capture of the media elements required to assemble computer games, such as sounds, images and videos
- **Development** - covers the creation of code to actually create the games that incorporate these customised assets

## Career Pathways

There are a huge number of jobs that are available to someone with experience in Computing Science or Computer Games Development (see previous page).

# Computing Science

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## Broad General Education

Computing Science shapes the world in which we live and its future. The course brings together elements of technology, science and creative digital media, providing an insight into the challenge, excitement and reward to be found in these areas.

S3 Computing Science will help you develop a range of different skills, including:

- **Programming/Coding** - using a range of different programming languages and environments you will learn to create games, apps and websites.
- **Cyber Security** - help protect computer systems against hackers and viruses and learn how to break secret codes. Learn what is meant by “Ethical Hacking” and “Digital Forensics”.
- **Databases** - behind every computer system is a database. Learn how to search, organise and manipulate information.
- **Computer Systems** - learn about the hardware and software that works together to make computers powerful problem-solving machines.

## National Level

In S4 you will sit National 4 or National 5 Computing Science where you will concentrate on the following topics:

- Computer Systems
- Software Design and Development
- Database Design and Development
- Web Design and Development

## Career Pathways

In the modern digital world, more and more industries are relying heavily on Computer Systems to improve their workflow. Computers are a part of nearly every workplace, whether that is a shop, bank, school, factory or office. Having knowledge of Computing Science or Computer Games Development can help you in many modern university degrees and college courses.

## Example Career Paths

**Programming** - Software Engineer, App Developer, Web Developer, Game Developer, Games/App Tester, Database Administrator, Audio Programmer, AI Programmer, Physics Programmer, Network Programmer

**Cyber Security** - Digital Forensics, Ethical Hacker, Cyber Security Analyst, Security Engineer

**Multimedia** - Animator, Audio Engineer, Video Editor, 3D Artist, VFX Artist, Concept Artist, User Experience Designer, Audio Designer, Community Manager, Game/App Publisher, Games Writer

**Teaching!** – Computing Science: including *Software/Web/Database/Games Design and Development*



# Eachdraidh/History



## Eachdraidh/History – BGE/National 4

### Course Description

History lends itself to the development of literacy skills, particularly reading comprehension and analytical writing. In this course the learner will develop an understanding of key issues and events related to Scotland, Britain and the wider world.

In S3 study a variety of topics ranging from The Rise of Communism to The Industrial Revolution in Britain. This is in preparation for following N4 or N5 in S4.

### The Work of the Course

The Course entails 3 areas of study:

#### **Scottish History: The Era of the Great War, 1910-1928**

Scots on the Western Front

The Impact of War on Society and Culture

The Impact of War on Industry and the Economy

The Impact of War on Politics

#### **British History: The Atlantic Slave Trade, 1770-1807**

The Triangular Trade

Britain and the Caribbean

The Captive's Experience and Slave Resistance

The Abolitionist Campaigns

#### **European and World History: Free at Last? Civil Rights in The USA ,1918-1968**

The "Open Door" Policy and Immigration, to 1928

"Separate but Equal", to 1945

Civil Rights Campaign, to 1968

The Ghettos and African American Radicalism

There are a wide variety of approaches used in teaching this course, including debates, independent reading linked to class discussions, and guided question and answer tasks. This process will give a sound grasp of the knowledge and understanding related to these topics, and aids the development of sound analytical skills through looking at a variety of sources.

### Assessment

All 3 Units are assessed internally. The learner will be fully prepared for this through ongoing question practice as the course progresses.

### Gaelic Medium Option

Eachdraidh (History) is available as a Gaelic Medium option. Pupils in Gaelic Medium Education are encouraged to study subjects through Gaelic in order for their Gaelic skills to continue to develop.

There are increasing career opportunities for people with good Gaelic skills. Doing History through Gaelic would be good option for anyone wanting to pursue a career where Gaelic is an essential or desirable skill.





# Eachdraidh/History

Eachdraidh/History – BGE/National 5



## Course Description

History lends itself to the development of literacy skills, particularly reading comprehension and analytical writing. In this course the learner will develop an understanding of key issues and events related to Scotland, Britain and the wider world.

In S3 study a variety of topics ranging from The Rise of Communism to The Industrial Revolution in Britain. This is in preparation for following N4 or N5 in S4.

## The Work of the Course

The Course entails 3 areas of study:

### **Scottish History: The Era of the Great War, 1910-1928**

Scots on the Western Front

The Impact of War on Society and Culture

The Impact of War on Industry and the Economy

The Impact of War on Politics

### **British History: The Atlantic Slave Trade, 1770-1807**

The Triangular Trade

Britain and the Caribbean

The Captive's Experience and Slave Resistance

The Abolitionist Campaigns

### **European and World History: Free at Last? Civil Rights in The USA ,1918-1968**

The "Open Door" Policy and Immigration, to 1928

"Separate but Equal", to 1945

Civil Rights Campaign, to 1968

The Ghettos and African American Radicalism

There are a wide variety of approaches used in teaching this course, including debates, independent reading linked to class discussions, and guided question and answer tasks. This process will give an in-depth grasp on the knowledge and understanding related to these topics, and will aid the development of sound analytical skills through looking at a variety of sources. Improvement will be made in developing an analytical writing style with an introduction to transferable essay writing skills. Independent and systematic thinking skills are extended.

### **Assessment**

The final examination is externally marked. You will be fully prepared for this through ongoing question practice as the course progresses.

### **Gaelic Medium Option**

Eachdraidh (History) is available as a Gaelic Medium option. Pupils in Gaelic Medium Education are encouraged to study subjects through Gaelic in order for their Gaelic skills to continue to develop. There are increasing career opportunities for people with good Gaelic skills. Doing History through Gaelic would be good option for anyone wanting to pursue a career where Gaelic is an essential or desirable skill.



# English



## Broad General Education

### National 3, 4 & 5

In S3, pupils will continue the broad general course, consolidating and further developing their literacy and language skills while extending their knowledge of English literature. Opportunities for looking at literacy across the curriculum will help pupils to hone and see the relevance of transferable skills in all subjects they study.

The course elements of English in S3 include:

#### **Reading:**

In S3, study of a range of texts, including traditional, multimedia and digital, supports learning in the digital world of the 21<sup>st</sup> century. As well as this, pupils will focus on research techniques and critical thinking skills in their reading activities.

#### **Writing:**

Writing in S3 comprises a wide range of activities and outcomes, including creative/ expressive writing, personal reflection, writing for information, report writing and discursive writing. Writing activities will include traditional pen and paper activities, as well as the use of digital media to make presentations and contribute to educational class wikis and blogs. For transition purposes, pupils each produce a folio of exemplar pieces by the end of S3.

#### **Listening and Talking:**

Pupils will continue to develop and strengthen confidence and skills in listening and talking through a range of activities including: verbal interactions with teachers; individual talks and presentations to a peer audience; paired interviews and group discussions; whole class discussions and debates; school speaking, recitation, drama and debating activities and competitions.

#### **Nationals**

Assessments of pupil performance in S1 to S3 will determine whether pupils continue with Literacy, National 3, National 4 or National 5 in S4 and beyond.

#### **Possible career paths**

Good communication skills are essential in all walks of life and a qualification in English is required for entrance to most courses in further or higher education. Careers that require an English qualification include:

- teaching English
- journalism
- publishing
- law
- advertising and working in film, TV and radio



# Environmental Science



## Broad General Education

Your broad general education in Environmental Science in S3 will help you develop the following skills and knowledge:

### Skills:

- Plan, design and evaluate experimental procedures to test scientific concepts.
- Select, interpret and present relevant information from a scientific context.
- Apply scientific knowledge, interpreting information and solving problems.
- Develop practical fieldwork skills in an environmental science context.

### Knowledge:

- Develop an understanding of biodiversity and interdependence of living things.
- Describe the processes and systems involved in the formation of rocks and soils.
- Examine the environmental impact of human activities within a local, national and global context.

### Nationals

Depending on your progress, in S4 you will take either the National 3 or the National 4 course.

In the National 4 course you will:

- develop and apply knowledge and understanding of environmental science
- develop an understanding of Environmental Science's role in scientific issues and relevant applications of Environmental Science in society and the environment
- develop problem solving and analytical skills in an Environmental Science context
- use and understand scientific literacy, in everyday contexts, to communicate ideas and issues
- develop the knowledge and skills for more advanced learning in Environmental Science

The units covered are:

- Living Environment
- Earth's Resources
- Sustainability

### Possible career paths

- Modern apprenticeship within the utilities industries (Water, Gas, electricity)
- Environmental monitoring officer
- Environmental Health officer
- Landscaper
- Waste management and recycling officer
- Home and commercial energy efficiency officer
- Countryside officer/warden



# Fashion and Textile Technology

## Broad General Education



Your broad general education in Fashion and Textile Technology in S3 will help you develop the following skills and knowledge and aims to:

### Skills

- develop appropriate and safe use of relevant tools and equipment to manufacture fashion/textile items
- develop a range of practical skills and techniques to facilitate planning and manufacture of fashion/textile items

### Knowledge

- develop your knowledge and understanding of textile characteristics and technologies
- develop an understanding of a range of factors that influence fashion choices made by individuals and society
- develop your investigation and evaluation skills

### Nationals

The purpose of the course is to develop the skills and knowledge, to support practical fashion/textile activities. The skills that learners acquire will be valuable for learning, for life and for work. This course will give you opportunities to develop ideas and follow a plan to make basic fashion/textile items. You will work with given briefs to develop and apply practical textile construction skills to produce basic fashion/textile items, and develop evaluative skills by reviewing a completed item.

Depending on your progress, in S4 you will take either the National 3, National 4 or National 5 course. In these courses you will cover the following areas of study:

### National 4

1. Textile Technologies.
2. Textile Item Development.
3. Fashion and Textile Choices.
4. Added Value - Practical Activity: You will produce a fashion/textile item to a given brief. The task will be sufficiently open and flexible to allow for personalisation and choice.

### National 5

Areas of study are the same as National 4 but there is also an Added Value Course Assessment: Practical Activity. This will focus on breadth and challenge. You will undertake a practical activity to integrate, extend and apply the skills and techniques from across the units to produce a quality finished fashion/textile item to a given brief with limited support

### Possible career paths

- Education—Home Economics Teacher, Primary Teacher, Pre – School education
- Retail and the fashion industry, Interior designer, Theatrical Costume designer



# French

## Broad General Education

Your broad general education in French in S3 will help you develop the following skills and knowledge:

### Skills

- Reading, Writing, Listening and Talking will be developed through the study of a variety of topics  
e.g. School, Family & Friends, Where I live

### Knowledge

- You will learn how to speak and understand French and gain an insight into the life and culture of some of the countries where French is spoken
- You will also have the opportunity to complete the SQA Modern Languages for Life and Work course at either Level 3 or 4.

### Nationals

Depending on your progress, in S4 you will take either the National 3, National 4 or National 5 course.

In these courses you will:

- Develop the different skills in a wider variety of topics and for different purposes e.g. understanding tourist brochures and booking a hotel room.
- Be able to use French to communicate what you want to say in both speaking and writing, giving your own views and opinions on a variety of topics.

### Possible career paths

- Work in a French-speaking country as an HGV driver, secretary, lawyer, engineer etc.
- Work in a multi-national company with branches in a French-speaking country
- Work in the tourist trade: hotel receptionist, tour guide etc.
- Modern Languages teacher
- Translator/interpreter

### Pupil reviews

*"I am choosing French in S3 because I enjoy learning new languages and I understand the work we do."*

*"I chose French in S3 and S4 because I wanted to learn a new language as it is a skill that will increase your marketability."*



# Gaelic



## Broad General Education

Your broad general education in Gaelic in S3 will help you develop the following skills and knowledge:

### Skills

- listening and talking, reading and writing will be developed through a variety of topics, games and projects

### Knowledge

- you will learn to understand and speak Gaelic and gain an appreciation of Celtic culture including music, song, oral tradition e.g. stories about magical creatures, second sight

### Nationals

Depending on your progress, in S4 you can undertake either the National 4 or National 5 course. In these courses you will:

1. Develop the different language skills in a wider range of topics and learn to use language for different purposes e.g. be able to understand and use everyday language and phrases, describing people and holidays.
2. Be able to use Gaelic to communicate using writing and speaking about a range of topics.

### Possible career paths

Many organisations are looking to recruit employees with a knowledge of Gaelic since the Gaelic Language Act came into force. This includes nearly all public bodies such as:

- Police
- National Health Service
- Local Authorities
- Media Companies

In addition - it can be easier to get into teaching and secure a teaching post with a Gaelic qualification.

### Pupil reviews

*"I chose Gaelic to help me understand family conversation as my family speak Gaelic and I wanted to learn more of it."*

*"Choosing Gaelic in S3 was a great decision because it's an interesting and enjoyable subject."*



# Gàidhlig (Fluent)



## Broad General Education

Your broad general education in Gàidhlig in S3 will help you develop the following skills and knowledge:

### Skills

- improve performance in reading, writing, listening and speaking
- plan and research various topics of interest
- develop presentation and delivery skills in a range of media

### Knowledge

- gain a deeper appreciation of Gaelic culture and heritage
- improve knowledge of how to apply key language skills, including grammar, in a range of oral and written tasks
- develop the ability to enjoy Gaelic as a living, useful, language

### Nationals

Depending on your progress, in S4 you will take either the National 4 or National 5 course. In these courses you will:

- Improve your performance in all aspects of language.
- Choose aspects of Gaelic culture and language to study.
- Become involved in activities which will develop your confidence and skills:
  - debating
  - drama
  - oral and literary competitions at local and national level
  - cultural events e.g. Mòd, cèilidhs etc.
  - cultural exchange visits
  - work experience with Gaelic organisations

### Possible career paths

- Teaching
- Media
- Gaelic organisations
- Music instructors
- Care
- Many local and national organisations are looking to recruit Gaelic speaking employees since the Gaelic Language Act came into force. This includes nearly all public bodies.

### Pupil reviews

*Tha Gàidhlig anns an treas bliadhna math oir tha saorsa againn an obair againn fhèin a thaghadh. Cuideachd, bidh tòrr spòrs againn!"*

*"Tha Gàidhlig math oir bidh sinn ag ionnsachadh sgilean ùra – chan e dìreach sgrìobhadh agus leughadh."*



# Geography



## Broad General Education

Your broad general education in Geography in S3 will help you develop the following skills and knowledge:

### Skills

- using Ordnance Survey maps at a variety of scales
- using geographical fieldwork techniques to gather information
- processing data using a variety of maps and graphs

### Knowledge

- causes and effects of hurricanes - case study: Katrina
- the formation of features of coastal erosion and deposition
- land use and land use conflicts along the coast
- changing urban land uses and urban issues - case study: Glasgow

### Nationals

Depending on your progress, in S4 you will take either National 3, National 4 or National 5 courses. In these courses you will further develop your skills, knowledge and understanding of Geography by studying the following units:

1. Physical Geography - studying the processes and interactions at work in a variety of landscapes in a British context.
2. Human Environments - studying and comparing aspects of developed and developing countries in a global context.
3. Global issues - studying a range of global geographical/environmental issues such as climate change, development and health, environmental hazards and tourism.

### Possible career paths

Geography can be studied as part of an Arts or a Science degree, opening up a wide range of career possibilities:

- Farming, forestry and land management advisor
- Town planner
- National park ranger
- GIS (IT) specialist in retailing
- Police officer





# Health and Food Technology



## Broad General Education

The purpose of this course is to allow learners to develop and apply practical and technological skills and to make informed food, lifestyle and consumer choices which will have a positive effect on their own health and that of others. Your broad general education in Health and Food technology in S3 will help you develop the following skills and knowledge:

### Skills

- to apply knowledge in practical contexts
- develop safe and hygienic practices in practical food preparation
- develop your organisational and technological skills to contribute to health and nutritional requirements

### Knowledge

- develop your knowledge of the relationships between health, nutrition and the functional properties of food
- develop your knowledge to allow you to make informed food, lifestyle and consumer choices

### Nationals

Depending on your progress, in S4 you will take either the National 3, National 4 or National 5 course. In these courses you will cover the following areas of study:

#### National 4

1. Food for Health.
2. Food Product Development.
3. Contemporary Food Issues
4. Added value - Produce a food product in response to a given brief.

National 4 courses are not graded

#### National 5

The National 5 areas of study are the same as National 3 and 4 but are studied in more depth and pupils complete a question paper and an assignment, each of which account for 50% of the final grade.

The assignment will require the learner to demonstrate breadth, challenge and/or application of skills.

### Possible career paths

Studying food science provides you with the scientific and technical skills needed for a wide range of careers in the food and drink industry, as well as in public health, nutrition and research

Education: Home Economics teacher, Primary teacher, Preschool education

Food Technologist, Dietetics, Consumer Advisor, Hospitality Management/Catering Management

Health Professional: Nursing, Dentistry, Medicine, Social Work

### Pupil review

*"I enjoyed the cooking and discussing with the teacher how I could improve on my dishes."*

*"I enjoy the assignments because I like to plan ahead."*

*"I like that 50% of the course is done as an assignment in class"*



# Latin

## Broad General Education



Latin is available in S3 both to those of you who studied Latin in S1 and S2 and to those of you who wish to try a new language. For those who wish to begin Latin in S3 we build on the language skills you acquired through studying Gaelic and French. We work at a faster pace so that you catch up with the rest of the class by Easter of S3.

Your broad general education in Latin in S3 will help you to develop the following skills and knowledge:

### Skills

- translation skills - the emphasis in Latin is on understanding the language - there are no speaking or listening tests
- research skills - these will be developed through the study of various topics such as gladiators, the Roman army, Roman food and drink, Pompeii and Vesuvius etc.
- transferable skills - these will also help you to learn other foreign languages more easily - after all, Italian, French, Spanish and Portuguese are all direct descendants of Latin.

### Knowledge

- Roman civilisation and culture and its impact on life in modern-day Britain
- English vocabulary development (more than 60% of our words come from Latin)
- grammatical conventions which will assist you in learning other languages

### Nationals

Depending on your progress, in S3 you will take either the National 3, 4 or National 5 course. These courses aim to develop and extend the skills you acquired in S3. In particular these courses aim to help you develop:

The ability to apply your knowledge of language in a wider variety of situations.

Knowledge and understanding of literature and Roman culture and its impact on our culture and heritage.

### Possible career paths

- Teaching - Latin, History, languages, English
- Law
- Medicine
- Museum work
- Archaeology

### Pupil reviews

*"I chose Latin because I knew it was helpful if you are wanting to study law which is what I want to do. It also helps you with other languages."*

*"I find Latin a very interesting language to study and the project work is good fun."*

*"Latin helps a lot with other subjects like History and English."*

*"Latin really helps with English when you get further up the school."*



# Mathematics



## Broad General Education

Mathematics is important in our everyday life, allowing us to make sense of the world around us and to manage our lives. Using mathematics enables us to model real-life situations and make connections and informed predictions. It equips us with the skills we need to interpret and analyse information, simplify and solve problems, assess risk and make informed decisions. Overall, mathematics equips us with many of the skills required for life, learning and work.

The mathematics experiences and outcomes in S3 are structured within three main organisers, each of which contains a number of subdivisions:

- **Number, money and measure**
- **Shape, position and movement**
- **Information handling**

### Nationals

Depending on your progress, in S4 you will take either the National 3, National 4 or National 5 course. The following provides a broad overview of the subject skills, knowledge and understanding developed in each course.

<b>National 3</b>	<b>National 4</b>	<b>National 5</b>
<ul style="list-style-type: none"> <li>• interpret real-life situations involving mathematics</li> <li>• investigate the use of basic mathematical ideas and number processes in real-life contexts</li> <li>• select and apply basic mathematical and numeracy skills in real-life contexts</li> <li>• interpret and use the results of calculations, measurements and data to make informed decisions</li> <li>• communicate mathematical information in an appropriate way.</li> </ul>	<ul style="list-style-type: none"> <li>• understand and use straightforward mathematical concepts and relationships</li> <li>• select and apply straightforward operational skills in algebra, geometry, trigonometry and statistics within familiar mathematical contexts</li> <li>• select and apply straightforward skills in numeracy</li> <li>• use straightforward mathematical models</li> <li>• use mathematical reasoning skills to interpret information presented in straightforward ways, to select a strategy to solve a problem, and to communicate solutions.</li> </ul>	<ul style="list-style-type: none"> <li>• understand and use mathematical concepts and relationships</li> <li>• select and apply numerical skills</li> <li>• select and apply skills in algebra, geometry, trigonometry and statistics</li> <li>• use mathematical models</li> <li>• use mathematical reasoning skills to interpret information, to select a strategy to solve a problem, and to communicate solutions.</li> </ul>

### Possible career paths

A good understanding of Mathematics opens the door to a wide range of rewarding careers in the following areas:

- Engineering – electrical, civil, chemical and aeronautical engineer.
- Construction – architect, quantity surveyor, electrician, joiner, plumber and bricklayer.
- Finance – accountant, actuary, financial analyst and banker.
- Business – economist, statistician and self-employment.
- Computing – computer analyst, programmer, software engineer and robotics.
- Health – doctor, dietician, physiotherapist and nurse.
- Education – teacher and lecturer.



# Modern Studies



## Broad General Education

Your broad general education in Modern Studies in S3 will help you develop the following skills and knowledge:

### Skills

- Research and presentation skills
- Discussion and debating skills
- Literacy and numeracy skills
- Evaluating sources of information
- Detecting bias and exaggeration

### Knowledge

- Current social, political and economic issues affecting life locally, nationally and internationally.
- Political Ideology
- International Terrorism
- Poverty in Scotland
- The role of the Media in society
- Politics in Scotland

### Nationals

Based on your progress in S3, you can take either National 4 or National 5 courses in S4. In these courses you will further develop your skills, knowledge and understanding of Modern Studies by studying the following units:

1. Democracy in Scotland.
2. Crime & Law.
3. International Issues. Poverty & development in Africa

### Assessment:

National 4: 3-unit assessments.

National 5: SQA Exam (worth 80 marks). The course is graded A - D

### Careers

Modern Studies will be useful in a number of careers including the police, politics, banking, community work, broadcasting, media, teaching, law, journalism, social work, civil service, local or national government.

### Pupil reviews

"I enjoyed learning about the modern world and the way in which our country and other countries."  
"I like the debates and discussions we have in class."



# Music



## Broad General Education

Your broad general education in Music in S3 will help you develop the following skills and knowledge:

### Skills

Pupils will:

- develop their ability to perform music on their chosen instruments and/or voice with accuracy.
- deepen their appreciation and understanding of different genres of music
- develop potential to compose music.
- enhance their ability to use technology for the above

### Knowledge

- develop knowledge and understanding of music and a range of musical genres and concepts
- enhance self-knowledge in relation to music in order to fulfil your potential understand the social and cultural importance of music locally, nationally and internationally.

### Nationals

Depending on your progress, in S4 you will take either the National 3, National 4 or National 5 course.

### Mandatory Units

There are three parts to the study of Music in S3.

#### Composing skills:

- This unit allows you to explore and experiment with a range of:
- compositional techniques and apply your understanding of musical styles and
- concepts. You will develop and produce original music using music technology (Sibelius software) in the music department computer room.

#### Listening and Understanding Music:

This unit allows you to develop knowledge and understanding of music, musical concepts and basic musical literacy. It will also help you to understand the social and cultural factors surrounding music from different times and places.

#### Performance:

Pupils will develop performing skills on two instruments and/or voice. This unit will help you communicate thoughts, meaning and ideas through performances, and to develop and identify personal musical strengths and to make improvements as required.

### Optional Units

**Second Performance:** You will develop performing skills in second instrument or voice. This unit will help you communicate thoughts, meaning and ideas through performance, and develop and identify personal musical strengths and make improvements.

**Technology Skills:** You will develop and produce original music using music technology and software in a recording studio.

### Possible career paths

Music offers many job opportunities including solo and group performing, teaching or instrumental instructor, music therapy, sound engineering, recording and broadcast, motion picture industry, music librarianship, marketing or concert promoter, record retail or record label.



# Nuadh-Eòlas



## Broad General Education

### Gaelic Medium Option

Nuadh-Eòlas (Modern Studies) is available as a Gaelic Medium option. Pupils in Gaelic Medium Education are encouraged to study subjects through Gaelic in order for their Gaelic skills to continue to develop. There are increasing career opportunities for people with good Gaelic skills. Doing Modern Studies through Gaelic would be good option for anyone wanting to pursue a career where Gaelic is an essential or desirable skill.

Your broad general education in Nuadh-Eòlas in S3 will help you develop the following skills and knowledge:

#### Skills

- Research and presentation skills
- Discussion and debating skills
- Literacy and numeracy skills
- Evaluating sources of information
- Detecting bias and exaggeration

#### Knowledge

- Current social, political and economic issues affecting life locally, nationally and internationally.
- Political Ideology
- International Terrorism
- Poverty in Scotland
- The role of the Media in society
- Politics in Scotland

### Nationals

Based on your progress in S3, you can take either National 4 or National 5 courses in S4. In these courses you will further develop your skills, knowledge and understanding of Modern Studies by studying the following units:

4. Democracy in Scotland.
5. Crime & Law.
6. International Issues. Poverty & development in Africa

#### Assessment:

National 4: 3-unit assessments.

National 5: SQA Exam (worth 80 marks). The course is graded A - D

### Careers

Modern Studies will be useful in a number of careers including the police, politics, banking, community work, broadcasting, media, teaching, law, journalism, social work, civil service, local or national government.

### Pupil reviews

"I enjoyed learning about the modern world and the way in which our country and other countries."

"I like the debates and discussions we have in class."

*"Tha Nuadh-Eòlas math oir tha e a' toirt a-steach tòrr dhiofar chuspairean inntinneach. A chionn 's gun do rinn sinn an cùrsa ann an Gàidhlig dh'ionnsaich sinn na ceudan de fhacail fheumail Ghàidhlig"*



# Physical Education

## Broad General Education



Your broad general education in PE in S3 will help you develop the following skills and knowledge:

### Skills

- improve practical performance in a wide range of activities e.g. football, basketball, badminton, gymnastics, lifesaving and athletics
- improve fitness

### Knowledge

- how the body works; how to break down a skill; how to improve your performance in an activity
- how to participate in a team game and play to your strengths; by gaining an understanding of structures and strategies

### Nationals

Depending on your progress, in S4 you will take either the National 4 or the National 5 course.

In these courses, you will:

- Develop your physical skills and apply them in a game situation e.g. developing accuracy in lay-up and being able to apply shooting skills in basketball.
- Develop an understanding of factors that can affect your performance e.g. by following a specific programme you can improve your level of fitness and/or your skill level.
- Develop your skills of analysis e.g. watching a player try to score a goal and suggest how they could gain accuracy and power.

### Possible career paths

- Leisure officer in a sports centre
- Sports development officer
- Fitness instructor / Personal trainer
- PE teacher
- Outdoor education instructor
- Physiotherapy, occupational health etc.

### Pupil reviews

*"I look forward to PE because it offers me a varied number of sports and activities. The topics are interesting and useful in other subjects such as Biology."*

*"I enjoy PE because there is a large variety of activities and it allows me to stay fit and healthy."*



# Physics

## Broad General Education



Your broad general education in Physics in S3 will help you develop the following skills and knowledge:

### Skills

- apply your knowledge of physics to new situations to solve problems
- plan, design and carry out experiments to test or show physical effects
- provide explanations of situations based on your knowledge of physics
- draw conclusions or explanations based on evidence

### Knowledge

- from knowledge of wave properties describe the use of sound and radiation in medicine and communications;
- understand the basic concepts in electrical and electronic systems;
- understand the relationships between forces and motion

### Nationals

Depending on your progress, in S4 you will take either the National 4 or National 5 course. In these courses you will:

- Through experiments and investigations develop your knowledge and understanding of physics concepts and relationships.
- Apply these relationships to gain understanding of modern technology.
- Gain an insight into the underlying nature of our world and its place in the universe.
- Describe, interpret and predict physical situations using mathematical skills.

You will do this by completing the following areas of study

- Dynamics; Space
- Electricity; Properties of Matter
- Waves ; Nuclear Radiation

### Possible career paths

- oil and gas industry , Merchant Navy, electrician, heating engineer
- electrical, aeronautical, civil, mechanical, sound or communications engineer
- medical imaging physicist, physiotherapist, bio-mechanical engineer, medicine
- weather forecaster, renewable energy development
- financial data modeller, rocket scientist.





# Practical Cookery

## Broad General Education



Your broad general education in S3 Practical Cookery will enable learners to:

- use a range of cookery skills, food preparation techniques and cookery processes when following recipes
- plan and produce meals and present them appropriately
- select and use ingredients to produce and garnish or decorate dishes
- develop an understanding of ingredients and their uses and an awareness of responsible sourcing
- develop an awareness of current dietary advice relating to the use of ingredients
- work safely and hygienically

In preparing learners for life, Practical Cookery enables them to learn how to prepare and cook food for themselves and others. It also develops organisational skills, which have an application in a variety of contexts.

In addition to the course you will also do the **Elementary Food Hygiene Course**. This has been credit rated on the Scottish Credit Qualifications Framework (SCQF) Level 5 with 1 credit.

### Nationals

Depending on your progress, in S3 you will take either the National 3, 4 or National 5 course.

The main purpose of these courses is to develop your cookery skills, knowledge and understanding of ingredients and to provide a set of foundation skills for those who wish to progress to professional hospitality courses or work. These courses contain a significant **practical component**, which involves experiential learning, and is supported by related theory. Real life Hospitality contexts are used and this makes it relevant to the world of work. In these courses you will cover the following areas of study:

National 3	National 4	National 5
1. Cookery Skills, Techniques and Processes. 2. Understanding and Using Ingredients. 3. Organisational Skills for Cooking.	1. Cookery Skills, Techniques and Processes. 2. Understanding and Using Ingredients. 3. Organisational Skills for Cooking. 4. Added Value Unit: Produce a <u>2</u> course meal	1. Cookery Skills, Techniques and Processes. 2. Understanding and Using Ingredients. 3. Organisational Skills for Cooking. 4. Practical Activity: Produce a <u>3</u> course meal

### Possible career paths

Home Economics Teacher, Food Product Development, Food Journalist, Events Planner, Hotel Management, Catering Management, Executive Chef, Marketing /Sales/Media, Tourism Industry.

### Pupil reviews

*"I learned how to prepare different cuts of vegetables e.g. julienne"*

*"I have gained more confidence within myself"*

*"I have become more organised and I am able to cook for myself when I leave home"*



# Religious Moral & Philosophical Studies



## Broad General Education

Your broad general education in RMPS in S3 will help you develop the following skills and knowledge:

### Skills

- expressing your views about religious, moral and philosophical issues
- interpreting texts and source materials
- evaluating religious and non-religious responses to moral and philosophical questions
- studying religious beliefs and scientific and philosophical responses to them

Pupils will learn to use the 7 modes of assessment

- Assignment
- Case study
- Practical activity
- Performance
- Portfolio
- Project
- Question paper/test of knowledge and understanding
- 

### Knowledge

- Religion - beliefs and practice illustrating: The human condition "From What?" The goals of human life "To What?" The means of salvation "By What?"
- Morality - values such as justice, equality, compassion, and tolerance applied to conflict and problems arising from racism, poverty, war, environment, human rights.
- Philosophy - questions of the existence of God, the origin and purpose of the universe and human life

### Nationals

Depending on your progress in S4 you will take either National 3, National 4 or National 5 course. You will further develop your skills, knowledge and understanding of RMPS by studying the following units:

- World religions
- Morality and Belief
- Religious and Philosophical Questions

### Possible career paths

All careers requiring understanding of RMP issues, including all branches of government, science, medicine, police, law, media, education, natural environment, wealth creation and the arts.

### Pupil reviews

*"RMPS teaches you to think."*

*"RMPS helps you with other subjects."*

*"RMPS is about understanding why we are here."*



# Rural Skills

## Broad General Education Skills for Work



If you are interested in working outside and enjoy practical tasks, this course is for you. Rural Skills allows you to develop skills necessary to work in most of the land-based industries. The course also explores employment prospects that exist in these areas.

### National 4/5

#### Unit 1

Land-based Industries: an introduction

- Investigate the nature of various land-based industries and examine job opportunities within the sector.

#### Unit 2

Employability Skills in the Land-based industries

- Develop employability skills considered important in the land-based sector: good time-keeping, attendance, good team working and safety awareness. Evidence for this unit should be generated through practical activities carried out in the rest of the course.

#### Unit 3

Animal Husbandry: an introduction

- Learn basic skills required for maintaining the health and well-being of one species of animal (e.g. horses, sheep, cattle) in a commercial setting.

#### Unit 4

Animal Handling: an introduction

- Learn basic skills required for handling and restraining one species of animal in commercial setting.

#### Unit 5

Estates Maintenance: An Introduction

- This unit looks at identifying and describing the use of a range of tools and equipment and then use these to undertake a range of estate maintenance tasks.

### Possible career paths

- Crofter
- Farmer
- Handyman
- Fencer
- Land based engineer
- Stockman
- Shearer

### Pupil reviews

*"This course gives you the opportunity to learn skills which are needed in the local community."*

*"It's great to get the chance to work outside and I have enjoyed the course very much."*



# Technical Design and Manufacture



## Broad General Education

Your broad general education in Design and Manufacturing in S3 will help you develop the following skills and knowledge:

Design and Manufacturing will develop your practical skills in working with wood, metal and plastic and enhance your knowledge in the following areas:

- Design
- Sustainability
- Material properties
- Industry
- Manufacture
- Evaluation

## Nationals

Depending on your progress, in S4 you will take either the National 4 or the National 5 course. The following areas will be studied:

1. Design - further your knowledge of the design process, identify factors that influence design and apply them in a design task, develop and communicate design proposals that are suitable for manufacture.
2. Materials and Manufacturing - learn about materials, their properties and their impact on the environment and society, plan manufacturing sequences for artefacts and manufacture these using the correct tools and machinery.
3. Design and Manufacture (Project based) - For this project, you will: develop design ideas from a given brief, select and use the correct materials, tools and machinery to manufacture a prototype of your chosen idea and test and evaluate the prototype.

## Progression

This subject can lead to careers in the following:

- Product Design
- Construction
- Furniture Making
- Designer
- Inventor
- Fashion
- Technician
- Manufacturing
- Teacher of Technology
- Jewellery
- Joiner
- Carpenter
- Interior Design
- Design Engineering
- Automotive Design



# Technical Engineering Skills for Work



## Broad General Education

If you are interested in the hands on approach to Engineering then this subject is for you. The broad general education you will gain in S3 Engineering will develop your practical skills and give you knowledge in the following areas:

- Mechanical
- Fabrication
- Maintenance
- Electrical Electronics
- Design Engineering
- Manufacture

You will also start to develop employability skills and an understanding of the workplace.

## Nationals

In this course, you will develop skills in:

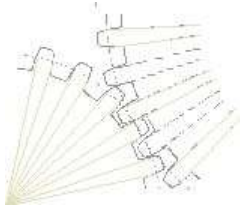
1. Mechanical & Fabrication— in the engineering workshop learn to select and use tools, equipment, machinery and materials required in manufacturing artefacts in metal. Learn to read and understand engineering drawings.
2. Electrical and Electronic — learn to select and use the correct tools and components required to construct low voltage electrical and electronic circuits from circuit diagrams.
3. Maintenance — Select tools and equipment required to test, disassemble, repair and assemble engineering parts.
4. Design & Manufacture— Develop Computer Aided Draughting (CAD) skills, select and use the correct tools and materials required to design, manufacture, test and evaluate an engineering project.

Employability Skills will be developed throughout all of the above tasks.

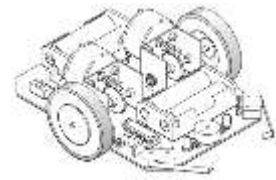
## Progression

The engineering sector includes careers in the following:

- Mechanical
- Manufacture
- Oil/Gas
- Fabrication
- Energy Generation
- Welding
- Electrical
- Electronic
- Foundry
- Marine
- Automotive
- Maintenance
- Transport
- Aeronautical
- Water



# Technical Engineering Science



## Broad General Education

Engineering is vital to everyday life; it shapes the world in which we live and its future. In S3 the course provides a broad and challenging exploration of engineering and is ideal if you are considering going on to do engineering at university or college. You will build circuits, simulate circuits on a PC, to create computer programs to control robot buggies and other models. You will also cover the theory and calculations involved.

Nationals depending on your progress, in S4 you will take National 4 or 5. The following areas will be studied:

### 1. Engineering: Contexts and Challenges

This develops an understanding of engineering and its role and impact on the environment and society. It introduces engineering concepts by exploring a range of engineered objects and engineering problems and solutions. The section also allows pupils to explore some existing and emerging technologies and challenges.

### 2. Electrical and Electronic Systems

This explores a range of concepts and devices used in electrical and electronic systems, including analogue, digital and programmable systems. Skills in problem solving and evaluating are developed through simulation, practical projects and investigative tasks.

### 3. Mechanical Systems

This explores an appropriate range of key concepts involving mechanical systems such as gears, pneumatics, structures, forces, energy and efficiency. Skills in problem solving and evaluating are developed through simulation, practical projects and investigative tasks.

### Progression

Graduate Engineer, Electrician, Merchant Navy, Oil & Gas offshore industry

### The feedback from former pupils who went on to do engineering is very positive:

*"Engineering Science gave me a real grasp of the fundamental aspects of graduate engineering. University Engineering builds on the theoretical aspects of the course in particular."*

*"Found it really helpful in the first year Engineering degree."*

# Skills for Work: **Travel and Tourism** – Broad General Education

## **Why choose this course?**

Skills for Work: Travel and Tourism is an introductory qualification in travel and tourism. It develops the skills, knowledge and attitudes, needed for work in the travel and tourism industry.

Learners will develop:

- skills to become effective job-seekers and employees
- skills to deal effectively with all aspects of customer care and customer service in travel and tourism
- the product knowledge and skills to deal effectively with customer enquiries in relation to travel and tourism in Scotland, the rest of the United Kingdom and worldwide

The general aims of this Course are to:

- Provide learners with a broad introduction to the travel and tourism industry
- Allow learners to experience a range of work-related activities in relation to the travel and tourism industry
- Encourage learners to develop skills for learning and life as well as work
- Build learners' confidence
- Encourage learners to take responsibility for their own learning and development
- Prepare learners for progression to further study or employment

## **Course Structure**

There are four Units in the Course: This S3 course will progress to a National 4 award in S4.

- **Travel and Tourism: Employability**

This Unit will enable learners to develop skills to become effective job seekers and employees in the travel and tourism industry. Learners will be introduced to a range of jobs across the travel and tourism industry. Learners will gain an understanding of the skills and qualities identified by employers as being the most important in the travel and tourism industry.

- **Travel and Tourism: Customer Service**

This Unit will allow learners to develop the skills and knowledge to enable them to meet the needs of customers. Learners will be able to develop communication skills and learn about promoting products and services and how to deal with customer issues.

- **Travel and Tourism: Scotland**

In this Unit, learners will develop their knowledge, in relation to travel and tourism in Scotland, and the skills required to meet the needs of customers. Learners who complete this Unit will be able to carry out an investigation of Travel and Tourism in Scotland and meet customer holiday needs.

- **Travel and Tourism: UK and Worldwide**

This Unit will enable learners to develop their knowledge, in relation to travel and tourism in the United Kingdom and the rest of the world, and the skills required to meet the needs of customers.

## **Course Assessment**

To achieve the Course award the candidate must successfully achieve all the Units which make up the Course. (Additional assessment details are available on the SQA website)

# Construction Craft & Technician

## Broad General Education

This NPA is comprised of the following award: **Construction Craft and Technician at SCQF level 4**

### Why choose this course?

The NPA in Construction Craft and Technician at SCQF level 4 introduces learners to techniques that are important in the construction sector. It develops knowledge and understanding of a range of construction disciplines together with the practical, technical and transferable skills required to carry out and complete a vocational project. This NPA covers areas such as carpentry and bench joinery, painting and decorating, brickwork, plasterwork, roof tiling, stonemasonry, and personal development. This new National Progression Award (NPA) at SCQF level 4 is designed to equip pupils with the skills required for success in further study/training or employment within the construction industry.

### Entry requirements

Entry to this qualification is at the discretion of the centre. Learners are likely to benefit more readily from study of the award if they enter with a general and broad academic ability showing an aptitude at SCQF level 3 and above for English, Mathematics and other related technical and graphical subjects. Pupils should be able to work at SCQF level 4.

### Course Structure

This qualification offers opportunities to learners to develop knowledge and understanding of the Construction Industry and inspire learners to consider a career in the Construction sector.

This NPA is comprised of **two mandatory** and **three optional** units.

### Mandatory Units

- Understanding Industry
- Personal Development: Self and Work.

### The Optional Units

- Carpentry and Bench Joinery: An Introduction,
- Painting and Decorating: An Introduction,
- Brickwork: An Introduction, Plasterwork: An Introduction,
- Roof Tiling: An Introduction,
- Stonemasonry (Basic Principles): An Introduction
- Construction Operatives: An Introduction.



### **Course Assessment**

The optional craft units are integrated, delivered and assessed in conjunction with the mandatory units. During the delivery of the award, learners will monitor and review their own task management skills. Learners will produce a plan and generate a range of evidence, which will be assessed on an ongoing basis as they work towards completing the project.

### **Progression**

Learners may choose to progress to a full-time pre-vocational course in college. All learners will benefit from the transferable employability skills developed in this course, regardless of which career they choose to follow. The knowledge, understanding and skills gained by studying at this level are popular and effective because they encourage learners to take responsibility for their own learning and to develop skills that are essential for the modern-day workplace. This award provides an opportunity for progression to SCQF level 5 in the Built Environment or SCQF Level 5 NPA Construction and beyond



## **Broad General Education**

### **Skills for Work: Hairdressing**

### **And**

### **An Introduction to Beauty Skills**



The course content provides a broad, experiential introduction to Hair and Beauty and the employability skills required. The focus is on experiencing the salon environment to learn about the different roles and responsibilities within hairdressing and to begin to develop vocational skills and knowledge.

Practical experience of general salon duties to support stylists/therapists and assisting with customer care is included as is the health and safety aspects of how to work safely within a salon environment.

Specific skills involved in shampooing, conditioning and blow-drying hair are developed and the creative side of hairdressing is also explored, with learners having the opportunity to experiment with style ideas. A general introduction to beauty skills will also be delivered to include facials, make-up and nails.

#### **Level:**

National 4

#### **Content:**

The course content places emphasis throughout all units on the employability skills and attitudes which will help to prepare learners for the workplace.

This course has four mandatory units:

- Hairdressing: Employability Skills
- Hairdressing: Salon Awareness
- Hairdressing: Working in the Salon
- Hairdressing: Creativity
- Beauty: *units to be confirmed*

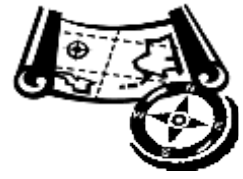
#### **Course Assessment:**

Assessment is internal and assessed throughout S3 and S4. Successful completion of the Employability unit in S3 is required for progression onto the course in S4. Pupils will be using each other for practical assessment.

#### **Possible career paths:**

This course may provide candidates with opportunities to progress to:

- Pre-vocational programmes in Further Education colleges
- NQ/NC in Hairdressing at UHI North, West and Hebrides
- Hairdressing in other further education colleges
- Suitable training/employment within industry



# Maritime Skills

## Broad General Education

In S3 pupils will get the opportunity to develop knowledge and skills in a range of marine subjects including basic navigation skills, use of charts and the use of electronic navigation systems. Practical skills will be developed including small boat handling, seamanship skills and small boat engineering skills.

Pupils will acquire a basic understanding of the safety procedures required for working aboard a boat and investigate careers opportunities in the Maritime sector

### Maritime Skills National 5

The course is an ideal gateway to a career in the Maritime Sector.  
Units Studied:

- Employability Skills and Careers in the Maritime Sector
- Marine Environment: An Introduction
- Small Boat Engineering
- Seamanship: An Introduction
- Health and Safety in the Maritime Sector

### Possible career paths

- Careers in the Maritime sector e.g.
- Merchant Navy
- Royal Navy
- Fishing industry
- Marine leisure
- Ports and harbours



# Professional Cookery

## Broad General Education



### Course Description

The SCQF Level 4 qualification in Professional Cookery develops practical cookery skills and the underpinning knowledge that will prepare successful learners for a future entry point into the catering, hospitality, bakery industries or often, for onwards study in further education. The National Progression Award (NPA) generally requires no previous experience in the industry. The NPA consists of providing students with the underpinning knowledge and related practical work across four units of study to deliver an introductory industry-based experience of relevance to students with an interest in entering the catering hospitality industry or more broadly interested in cookery and hospitality.

### Level

National Progression Award (NPA) Level 4

### Content

This course has four mandatory units.

- Food Preparation Techniques: An Introduction - Unit Code: D263 10
- Cookery Processes: An Introduction - Unit Code: D264 10
- Food Hygiene for the Hospitality Industry - Unit Code: J1NJ 44
- Craft Baking: An Introduction - Unit Code: F4ST 10

### Assessment

Continual assessment in the form of practical and to a lesser extent, background theory/knowledge-based assessments.

### Progression

S3 Pupils who complete the National Progression Award (NPA) Level 4 will be eligible to progress in S4 to study the National Progression Award (NPA) Level 5 within the LCC UHI professional cookery department and so further advance their studies and experience in professional cookery and hospitality.



# Rural Skills

## Broad General Education Skills for Work



If you are interested in working outside and enjoy practical tasks, this course is for you. Rural Skills allows you to develop skills necessary to work in most of the land-based industries. The course also explores employment prospects that exist in these areas.

### National 4

#### Unit 1

Land-based Industries: an introduction

- Investigate the nature of various land-based industries and examine job opportunities within the sector.

#### Unit 2

Employability Skills in the Land-based industries

- Develop employability skills considered important in the land-based sector: good time-keeping, attendance, good team working and safety awareness. Evidence for this unit should be generated through practical activities carried out in the rest of the course.

#### Unit 3

Animal Husbandry: an introduction

- Learn basic skills required for maintaining the health and well-being of one species of animal (e.g. horses, sheep, cattle) in a commercial setting.

#### Unit 4

Animal Handling: an introduction

- Learn basic skills required for handling and restraining one species of animal in commercial setting.

#### Unit 5

Estates Maintenance: An Introduction

- This unit looks at identifying and describing the use of a range of tools and equipment and then use these to undertake a range of estate maintenance tasks.

### Possible career paths

- Crofter
- Farmer
- Handyman
- Fencer
- Land based engineer
- Stockman
- Shearer

### Pupil reviews

*"This course gives you the opportunity to learn skills which are needed in the local community."*

*"It's great to get the chance to work outside and I have enjoyed the course very much."*