



Welcome to Wallace Hall 2-18 School

Together we grow, learn and achieve

BGE Option Choice Booklet
Transitions from S2 and S3
2024 - 2025



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Option Choice Booklet – Overview



Making the right choices in S2 and S3 is a very important part of your educational development. The choices that you make at this time contribute to how you begin to shape the learning pathways in S3 through to the senior phase of school and beyond school to your educational future and your possible learning pathways beyond school and for any career choices thereafter. It is vitally important, therefore, that you take the option choice process seriously, and that you give it your full attention and commitment.

Firstly, consider carefully what the right pathway is for you. For most learners, a balanced course choice from all curriculum areas ensuring a variety of pathways in S4 and beyond is recommended.

It is important that your choices are based on full and accurate information. This document is a starting point and contains details of each of the courses on offer. The information is provided by principal teachers and provides content and relevant information relating to each course. You should read it carefully. You should be clear about your best progression route in each subject based on **discussion with each of your class teachers**. You should also **discuss your course choices with your family** and friends as this will give you every opportunity to think through your decisions.

You will, of course, receive advice and support from Pupil Support staff in the school. You will have a formal options interview with your Pupil Support teacher and your parent; however, by this point you may more or less know what subjects you are planning to take. If you are unsure, you should **speak to your Pupil Support teacher and/or your subject teachers prior to your selection**. In addition to this, you will be able to receive help from the Careers Officer, Emma Wallace, by requesting an appointment via your Pupil Support teacher. It is essential that those of you who are considering further study at college or university check carefully which subjects are essential for your preferred courses. You will find this information by checking the prospectus or website of the college or university concerned. The admissions officers in each university are always willing to advise if you contact them directly. Again, speak to your Pupil Support teacher if you need help.

There will be presentations on the option process for pupils during their Health and Wellbeing classes.

Your options should be **realistic** and based on **your knowledge about your interests, effort, progress and performance to date**. This information will help you to decide the appropriate level of study for each subject you wish to pursue.

The choices you make are important to your future. Think carefully before you make any decisions and remember to seek advice if you are unsure.

Depute Head Teacher

December 2023

Third Year Options

Wallace Hall Academy pupils currently studying in S2 have been following courses as part of the Broad General Education entitlement of A Curriculum for Excellence – Scotland’s curriculum.

In S3, we offer pupils the opportunity to build upon key skills and knowledge from primary to S2 and to begin to study subjects which are of most interest and relevance, offering aspects of personalisation and choice. These courses will in the main be offered at Curriculum Levels 3 or 4 with additional challenge from National 5 learning contexts as appropriate. This means that in S3, your child will continue to study some ‘Core’ subjects and some subjects chosen from the CfE Curriculum Areas.

- Literacy (English - all)
- Mathematics and Numeracy (All)
- Religious and Moral Education (All Core)
- Physical Education (All Core)
- Personal and Social Education (All Core)

Option choices:

- Expressive Arts (Art, Drama, Music)
- Health and Wellbeing (Health & Food Technology, Physical Education, Religious and Moral Education)
- Modern Languages (French)
- Sciences (Biology, Chemistry, Physics, Environmental Sciences)
- Social Studies (Geography, History, Modern Studies, Business Management)
- Technologies (Design and Manufacture, Graphic Communication, Administration)

In selecting 9 courses, pupils will continue to study a broad and balanced curriculum covering at least one option from each of the curriculum areas. Pupil Support staff will advise pupils about the most appropriate options, but pupils should also discuss with parents and class teachers.

Next steps:

1. Read the information about each course contained in this booklet.
2. Ask the class teacher or Principal Teacher any questions which you have.
3. Choose seven courses on the option sheet in columns D to H and then list your choice of 3 subjects in order of preference from column I.
4. Return your option form by the agreed date on the form.

Please note.

Every effort will be made to ensure that pupils are able to study subjects of their choice. Please make sure that you know what progression is possible in each subject.

Sometimes pupils are not able to have all 1st choices:

- Where there are not enough pupils opting for a subject
- Where it is not possible to offer a subject at the same time (a clash)
- Where there are too many pupils opting for a subject.

In all cases, pupils and parents will be contacted. Pupil Support and subject staff will advise as to the best option routes where there are such difficulties.

All courses are expected to develop aspects of Skills for Life, Skills for Learning and Employability skills together with Literacy, Numeracy and Health and Well Being as appropriate.

Fourth Year Options

All pupils will continue to study English and Mathematics as they move into S4. In addition to this pupils will also choose a further 5 subjects. In general, pupils should select subjects which they have been studying in S3.

Entry into National 5 Courses will require students to be Secure or Consolidating at Level 4 by the end of S3.

Pupils who find the level of study at National 5 too demanding will be able to move to National 4 as the year progresses.

In Biology, Chemistry and Physics, class teachers will recommend the level of study (National 5 or National 4) before the start of S4.

For entry into National 4 Courses pupils should be developing at Level 4 or Secure or Consolidating in Level 3 by the end of S3. Pupils who are not able to achieve National 4 will be entered for National 3 Qualifications.

NATIONAL Qualifications

National Courses replace standard grade and Intermediate Courses. National 3 and 4 are assessed internally and verified by the SQA. Most National 5 courses have an external examination and a internal element which is assessed within school.

National Courses provide qualifications at five different levels for pupils, although few subjects will be able to offer courses at all levels. The levels of the courses are given below alongside the existing/previous award which is regarded as their general equivalent.

NATIONAL COURSE LEVELS

National 3
National 4
National 5
Higher
Advanced Higher

EQUIVALENT AWARD

(Access 3) Foundation Level Standard Grade
General Level Standard Grade, Intermediate 1
Credit Level Standard Grade, Intermediate 2

Progression to Higher Level Courses in S5

Any pupil wishing to take a subject at Higher level will normally be expected to have successfully completed a National 5 course. Pupils will have to demonstrate skills and knowledge at an appropriate level in order to complete courses. Where not all elements are successfully completed, pupils may require to be presented at a lower level as appropriate

Option Choice Timelines

S2 into S3

Date	Event
Thursday 14 th December	S2 Subject Reports Issued Final Option Form Issued S2 Options Assembly (P3)
Tuesday 16 th January	S2 Parents' Evening and Presentation on Option Process
Wednesday 17 th – Friday 26 th January	S2 Pupil Option Interviews
Wednesday 31st Jan	Deadline for Returning Completed Option Forms

S3 into S4

Date	Event
Thursday 25 th January	S3 Subject Reports Issued Final Option Form Issued S3 Options Assembly (P6)
Thursday 1 st February	S3 Parents' Evening and Presentation on Option Process
Friday 2 nd – Friday 23 rd February	S3 Pupil Option Interviews
Friday 1st March	Deadline for Returning Completed Option Forms

Please contact Mr Blair or any of the Pupil Support teachers should you wish to discuss this process further.

SOURCES OF ADVICE/INFORMATION

DHTs

Mr J Blair Mr E Mack

PUPIL SUPPORT STAFF

Mrs L Robertson / Mr E Laverty	(Principal Teacher)	Nith
Mrs L Mack	(Principal Teacher)	Scaur
Mrs K Fraser	(Principal Teacher)	Cairn

Pupil Support staff and DHTs aim to interview pupils in the appropriate year group(s) near the time of courses being chosen, but are available at other times. Pupil Support teachers can help clarify questions, arrange access to information, contact with other agencies such as the Careers Service or Colleges and consult appropriate teachers.

CAREERS ADVISOR

The school careers advisor, Emma Wallace, is available for consultation to assist with any queries or advice that may be required. Emma is in school regularly for consultation and she runs drop-in sessions during lunch. Alternatively, please feel free to contact Emma directly. She can be contacted at the Skills Development Scotland office in Dumfries.

Why study Admin and IT?

IT job opportunities are increasing as all modern businesses need effective procedures to make sure that they are organised and functioning properly.

Studying IT in Business will enhance a pupil's employability in these growing sectors by teaching them how to use IT software to an industry standard, and how to contribute systems that ensure a business is running successfully.

Moreover, the course makes an important contribution to supporting the wider curriculum and a pupil's general education through developing a range of essential skills which will stand them in good stead regardless of the career path they ultimately choose.



What are the benefits of studying this course?

IT is a growing sector which cuts across the entire economy, offering a wide range of employment opportunities. IT skills are demanded by employers and will be of use in a wide variety of industry sectors.

- You will develop a range of IT skills across a number of software packages
- You will learn how to apply these skills in a business context
- You will develop an understanding of the contribution that IT makes the operation of a business

The course contains a significant practical element and uses real-life contexts, which makes it relevant to the world of work.

Skills developed	Personal qualities developed
Employability	Working independently and co-operatively
Literacy, numeracy	Resilience
Using IT applications - word processing, spreadsheet, database, desktop publishing, presentations programming software	Decision making
Planning, organising and communicating	Taking responsibility
Using technology e-mail, internet, e-diary	Self-disciplined
Problem solving	Leadership

How will I learn – the activities and tasks I can expect:

- IT tasks involving the use of software in the table above
- Planning and organising events
- Problem solving tasks to include identifying the problem, devising the solution and applying the solution
- Using IT for gathering and sharing information

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Group Work	Citizenship	Working co-operatively
Literacy	Employability	Communication
Analysing and evaluating	ICT	Working independently

Evidence of learning is gathered by:

Evidence can be drawn from a variety of sources and presented in a variety of formats. This can include written responses, participation in group tasks, presenting information to others, IT tasks using a variety of applications, case studies, administrative assignments.

Possible progression routes:

Within school progression is as follows:

National 3 > National 4 > National 5 > Higher in Administration and IT

Pupils' progress will depend on their attainment within the course.

Some possible careers include working in the following areas:

- Human resources
- Health service
- Hospitality
- Insurance
- Banking
- Retail
- Event Planning
- Local government
- Travel and tourism
- Transport and distribution
- IT support



Why Study Art & Design?

Art & Design provides learners with opportunities to continue to acquire and develop the attributes and capabilities of the four capacities as well as skills for learning, skills for life and skills for work. The courses are designed to encourage pupils to be creative and to express themselves in different ways. Learning through Art and Design helps learners to develop an appreciation of aesthetic and cultural values, identities and ideas. Students will develop their knowledge of Art & Design, practice and practical, media handling skills in both expressive and design contexts. Learners will develop important skills, attitudes and attributes. Learning in this Course will include active involvement in creative activities and the creative use of media, materials and/or technologies.



What are the benefits of studying this course?

This course will benefit pupils who are interested in Art & Design.

- You will benefit from learning how to work with a variety of different types of materials when designing and making.
- You will develop the skills needed to draw, paint and work in 3D to create and express in response to visual stimuli.
- You will begin to understand the main influences on art and design practice.
- Develop personal and imaginative visual ideas through art practice

Skills developed	Personal qualities developed
Expressive: Ability to create and express using a variety of media in response to visual stimuli.	Express personal ideas, confidence in handling a variety of materials.
Design: Produce investigative and visual research from a design brief. Develop creative ideas and evaluate a final solution.	Creativity Problem solving Research skills, self-management
Critical: Analysis of artists and designers. Understanding of the factors influencing their work.	Ability to discuss and analyse the world in a more visual way. Visual literacy skills.
Thinking Skills, Literacy, Health and well-being.	Confidence and the ability to make informed judgments. Enjoyment, as skills are enhanced through practice.

How will I learn – the activities and tasks I can expect?

- Develop personal and imaginative visual ideas through expressive art by:
- Building a portfolio of practical work in both design and expressive activities.
- Responding to visual stimuli by selecting and using suitable subject matter for a themed expressive art activity. Use familiar art media and techniques, showing visual understanding of the subject matter and understanding of the visual elements.
- Produce a series of drawings, colour studies and visual research for the themed art activity, either portraiture, still life or landscape.
- Simple visual problem solving, planning and self-reflection when initiating, and developing ideas for expressive work.
- Respond to a design brief and develop imaginative ideas to produce a final solution. Evaluate the solution.
- Critically evaluate the work of artists and designers.

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Creative development	Problem solving	Resilience, working with others
Design	Decision making	Developing self confidence
Presenting	Evaluating	Dealing with social issues
Researching	Analysing	Expressing ideas/ emotions

Evidence of learning is gathered by:

A portfolio of Expressive work and Critical evaluation of Artists and their work.

A portfolio of Design work and Critical evaluation of Designers and their work.

Assessment



Assessment supports learning and is on-going over the year. A number of effective formative assessment strategies are used to encourage pupils to be more actively involved in the learning process and to be more effective communicators and contributors. Pupils are encouraged to self and peer assess on a regular basis. Discussion takes place at regular intervals to improve skills and inform next steps.

Sketch books are an important part of the course and are used to develop drawing and research skills. Homework exercises are set regularly to help develop responsible working habits. Skills are developed which could allow pupils to progress to the senior level.

Possible progression routes:

Progress will depend on pupil's attainment within the course. A few pupils will be working at level 3. Most pupils will be working at level 4. Pupils will have the opportunity to engage in a variety of activities and experiment with different media and will gain confidence and experience as they learn.

The Experiences and outcomes for National 5 will be developed as progress is made.

Studying Art and Design opens up a world of career wonderful opportunities. Career paths include:

- Architecture, Advertising, Animation
- Ceramics, Costume Design
- Floristry, Garden Design, Graphic Design
- Illustration, Interior Design
- Medical Illustration Publishing, Product Design
- Special Effects Work
- Teaching
- Textile Design, Theatre Set Design
- Visual Merchandising
- Web Site Design and many more



The skills of problem solving, adaptability and resilience are integral to Art & Design and are life skills which help pupils to become confident adults.

Why Study Biology?

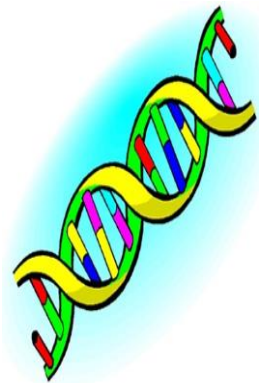
Biology is the study of living organisms. This area of science plays a crucial role in our everyday existence and is an increasingly important subject in the modern world.

Biology affects everyone and aims to find solutions to many of the world's problems.

Advances in technology have served to make this subject more interesting and relevant and thought-provoking.

National 4 and National 5 Biology courses have a number of aims which include the following; to develop scientific and analytical thinking in a biological context, develop problem solving skills, develop and apply knowledge and understanding of biology and develop an understanding of the relevant applications of biology in society.

Biology is an important subject in many careers such as medicine, nursing, dentistry, physiotherapy, food science, sports science, pharmaceutical industry, farming, conservation and beauty therapy.



What are the benefits of studying this course?

Biology in third year equips learners with analytical problem solving skills, gives an understanding of the physical world and an awareness of the role of Biology in society.

Skills developed	Personal qualities developed
Skills of scientific inquiry	Inquisitiveness, persistence
Practical	Dexterity, interpretation of instructions
Communication	Interpersonal skills,
Scientific literacy	Awareness of impact of science in society

What I will learn:

Life on Earth: Ecosystems; Distribution of organisms; Photosynthesis; Energy in Ecosystems and Food production.

How will I learn? – The activities and tasks I can expect:

An experimental and investigative approach is used to develop knowledge and understanding of Biology concepts. Typical learning activities in school include:

- Experimental investigation or demonstrations, including a whole day practical at Drumlanrig estate
- Reading texts to extract information
- Answering questions to practise comprehension and problem solving skills
- Formative assessments to evaluate progress in learning

Contribution to life in and beyond school:

The Course develops learners' interest and enthusiasm for Biology in a range of contexts. Skills of scientific inquiry and investigation are developed throughout the Course by investigating the applications of Biology. This will enable learners to become scientifically literate citizens, able to review the science-based claims which they meet.

Skills for Learning	Skills for Work	Skills for Life
Numeracy	Practical scientific techniques	Health awareness
Scientific literacy	Applications of Science in industry	Risk awareness

Evidence of learning is gathered by

- Written evidence in jotters and practical work.
- Written responses to test questions.
- Peer discussion and talks to the rest of class
- Direct observation of classroom activities

End of unit tests and checktests will be used throughout the course.

Future study from S3 Biology

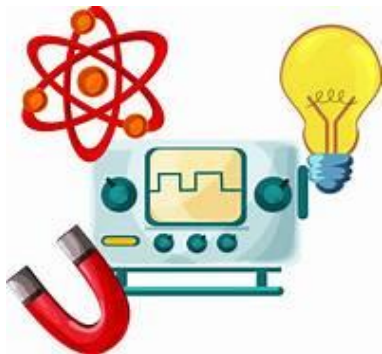
Depending on performance in S3 learners may progress to a National 5 or National 4 Biology in S4 or later in S5/6 if individual needs dictate. Staff will help learners and parents with guidance on which level will be more suitable in the February of third year.

Biology is a useful subject area for many careers including the energy sector and health-related professions such as veterinary and medicine.



Biology/Physics

National 4 Biology/Physics



Aim

Science affects a number of aspects of our daily lives. From the transport we use, to our mobile phones and the food we eat, Science is all around us.

This course is suitable for pupils who are interested in pursuing Science in S4 but may not yet be ready to attempt Biology, Chemistry or Physics at National 5 Level.

Recommended Entry Level

- Completed S3 Biology, Chemistry, Physics or Science

Course Content

The content of the course will be tailored to the needs of the pupils in the course. It will build on the work they have done in S3 where they will already have covered some of the content required. All pupils will aim to pass at least one National 4 in Biology or Physics but will also have a chance to pass individual National 4 Units in the other Science. For some pupils it may even be possible to pass National 4 in Biology and Physics.

- Physics – Dynamics & Space, Waves & Radiations and Electricity & Energy
- Biology – Life on Earth, Cell Biology and Multicellular Organisms.

Learning and Teaching Approaches

A wide range of methodologies are used in this course including practical work, group tasks and tasks based around literacy and numeracy.

Homework

Homework will be regularly set with several nights being allowed to complete the task. There is always an opportunity for pupils to ask for help the period before the handing in date.

Assessment

During the course pupils will be assessed using experimental write ups and end of unit assessments. There will also be an added value unit task which will involve an experiment and research. **There is no final exam.**

Career Implications

Science qualifications are a highly regarded qualification when applying for a wide range of courses or jobs due to the problem solving and numeracy skills developed during the courses.



Why study Business?

Businesses need to be managed properly if they are to successfully provide the jobs and products that modern society depends upon them for.

Studying Business Enterprise will act as an introduction to this world of business for learners. This will enhance their employability as it will start to teach learners how their entrepreneurial attributes can be used to positively contribute in a practical way to the success of different businesses.

What are the benefits of studying this course?

Business plays an important role in society. We rely on businesses and entrepreneurs to create wealth, prosperity, jobs and choices. The purpose of this course is to develop learners' understanding of the way in which businesses operate in the current dynamic, changing, competitive and economic environments and to encourage entrepreneurial attitudes.



- You will develop enterprising skills by participating in activities in practical and realistic business situations
- You will develop knowledge and understanding of business terms and concepts
- You will develop an awareness of the processes and procedures businesses use to ensure that customers' needs are met
- You will develop an awareness of how some economic factors can influence individuals, businesses and communities
- You will develop an understanding of how businesses market themselves and their products/services
- You will consider the methods used by businesses to manufacture their products
- You will develop an awareness of aspects relating to the employment of staff within a business
- You will consider the financial need of individuals and businesses and be able to prepare and present financial information eg break even analysis and cash budgets

You will have a greater understanding of how people contribute positively to business success. As a result, you will be better informed about business and be able to make effective contributions to society as a consumer, employee, employer or self-employed.

Skills developed	Personal qualities developed
Enterprise	Team working
Employability	Decision making
Communication	Taking responsibility
ICT	Self discipline
Interpreting, analysing and evaluating	Leadership

How will I learn – the activities and tasks I can expect:

- Discussion with teacher/pupils/in groups
- Research with feedback to group/class
- Study of real businesses through case studies, websites, national/local press or business programmes
- Interpreting, analysing and evaluating information from a variety of sources
- Use of IT to carry out research and prepare presentations

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Group Work	Citizenship	Working co-operatively
Understanding	Employability	Communication
Applying	ICT	Working independently
Analysing and evaluating	Enterprise	Being creative and resourceful

Evidence of learning is gathered by:

Evidence can be drawn from a variety of sources and presented in a variety of formats. This can include written responses, participation in group tasks, presenting information to others, case studies, business reports/assignments.

Possible progression routes:

Within school progression is as follows:

National 3 > National 4 > National 5 > Higher > Advanced Higher

Pupils' progress will depend on their attainment within the course.

On leaving school your Business qualifications could lead you on to employment, college/university courses.

Some possible careers include working in the following areas:

- Human resources management
- Marketing/research
- Public relations
- Events management
- Manufacturing
- Recreation and Leisure
- Sales and retail

Why study Computing Science?

Computing Science job opportunities are increasing as all modern businesses strive towards automating manual processes with the use of programmed computers or devices.



Studying Computing Science will enhance a pupil's employability in these growing sectors by teaching them how to program using languages used in industry.

The course makes an important contribution to supporting the wider curriculum and a pupil's general education through developing a range of essential skills, which will stand them in good stead regardless of the career path they ultimately choose.

What are the benefits of studying this course?

Computing Science is a growing sector, which cuts across the entire economy, offering a wide range of employment opportunities. Computing skills are demanded by employers and will be of use in a wide variety of industry sectors.

You will develop a range of computing skills across a number of different application.

You will learn how to apply these skills in a problem-solving context.

You will develop an understanding of programming languages, website design, databases and how a computer operates.

The course contains a significant practical element and uses real-life contexts, which makes it relevant to the world of work.

Skills developed	Personal qualities developed
Employability	Working independently and co-operatively
Literacy, numeracy	Resilience
Using Computing applications – programming languages, website design, and database software	Decision making
Planning, organising and communicating	Taking responsibility
Using technology	Self-disciplined
Problem solving	Leadership

How will I learn – the activities and tasks I can expect?

Computing tasks involving the use of various different software packages

Problem solving tasks to include identifying the problem, devising the solution and applying the solution

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Group Work	Citizenship	Working co-operatively
Literacy	Employability	Communication
Analysing and evaluating	ICT	Working independently

Evidence of learning is gathered by:

Evidence can be drawn from a variety of sources and presented in a variety of formats. This can include written responses, participation in group tasks, computing tasks using a variety of practical applications.

Possible progression routes:

Within school progression is as follows:

National 3 > National 4 > National 5 > Higher > Advanced Higher Computing Science

Pupils' progress will depend on their attainment within the course.

Some possible careers include working in the following areas:

- Cyber security analyst
- Data analyst
- Database administrator
- Forensic computer analyst
- Game designer
- Games developer
- IT consultant
- IT sales professional
- IT trainer
- Network engineer
- Software engineer
- Systems analyst
- Web designer
- Web developer



Why Study Chemistry?

We live in an age of chemistry-based technology. By studying chemistry you will find out how chemistry is vital to everyday life and its impact on society. A chemist has probably been involved in the manufacture or development of most products.

National 4 and National 5 Chemistry courses have a number of aims which include the following:

- to develop scientific and analytical thinking in a chemical context,
- develop problem solving skills,
- develop and apply knowledge and understanding of chemistry
- develop an understanding of the relevant applications of chemistry in society.



Chemistry is an important subject in many careers such as medicine, plastic manufacture, pharmaceuticals, cosmetics, environmental science and the food industry.

What are the benefits of studying this course?

Chemistry in third year equips learners with analytical problem solving skills, gives an understanding of the physical world and an awareness of the role of Chemistry in society.

Skills developed	Personal qualities developed
Skills of scientific inquiry	Inquisitiveness, persistence
Practical	Dexterity, interpretation of instructions
Communication	Interpersonal skills,
Scientific literacy	Awareness of impact of science in society

What I will learn?

Atomic Structure and Bonding

Develop a greater understanding of what our world is made of. Begin to connect the properties of everyday substances with their structures.

Reactions and Rates

Explore chemical reactions in greater depth by completing investigations into factors that affect how quickly substances react together.

Crazy Carbon

An introduction to organic chemistry and the many useful products that can be manufactured from carbon based compounds.

How will I learn – the activities and tasks I can expect:

An experimental and investigative approach is used to develop knowledge and understanding of Chemistry concepts. Typical learning activities in school include:

- Experimental investigation or demonstrations
- Reading texts to extract information
- Answering questions to practise comprehension and problem solving skills
- Formative assessments to evaluate progress in learning

Contribution to life in and beyond school:

The Course develops learners' interest and enthusiasm for Chemistry in a range of contexts. Skills of scientific inquiry and investigation are developed throughout the Course by investigating the applications of Chemistry. This will enable learners to become scientifically literate citizens, able to review the science-based claims which they meet.

Skills for Learning	Skills for Work	Skills for Life
Numeracy	Practical scientific techniques	Health awareness
Scientific literacy	Applications of Science in industry	Risk awareness

Evidence of learning is gathered by

- Written evidence in booklets
- Written evidence in homework booklets
- Direct observation of classroom activities
- Teacher observation of experimental procedures

End of unit tests will be set at the end of each section of work.

Future study from S3 Chemistry

Depending on performance in S3 learners may progress to a National 5, 4 or 3 Chemistry in S4 or later in S5/6 if individual needs dictate. Staff will help learners and parents with guidance on which level will be more suitable in the February of third year.

Chemistry is a useful subject area for many careers including the energy sector and health-related professions such as veterinary and medicine.



Why Study Design & Manufacture?

Design & Manufacture introduces learners to the multi-faceted world of product design and manufacturing. This course provides a broad practical introduction to design, materials and manufacturing processes. It provides opportunities for learners to gain skills in both designing and communicating design proposals. It allows learners to explore the properties and uses of materials and to make prototypes and finished products. The course allows students to engage with technologies as well as helping them to consider the impact that design and manufacturing technologies have on our environment and society. It also allows students to consider how technologies have impacted on the world of the designer and on manufacturing. Learners will also gain valuable transferable skills for learning, life and work. The course provides a solid foundation for those considering further study, or a career, in design, manufacturing, engineering, science, marketing, and related disciplines.



What are the benefits of studying this course?

- You will develop design skills in the context of products
- You will develop skills in making or manufacturing of models, prototypes and products, including the use of equipment and materials
- You will develop knowledge and understanding of manufacturing processes and materials
- You will develop and understanding of the impact of design and manufacturing technologies on our environment and society
- You will develop skills in the evaluation of design proposals and manufacturing practicalities

Skills developed	Personal qualities developed
Initiate, develop and communicate design proposals	Design and creativity skills
Solve design problems in applied contexts	Self-management
Contribute to the evaluation of design proposals and manufacturing practicalities	Critical Thinking
Knowledge and understanding of manufacturing processes and materials	Decision making
Skills in making models, prototypes and products	An appreciation of the factors that impact on the design and manufacture of products

Evidence of learning is gathered by:

Pupils will produce work in a variety of ways, including:
Design Folios, Manufacturing to working drawings (including tolerances), and manufacturing products.

How will I learn – the activities and tasks I can expect:

Pupils will produce work in a variety of ways, including:

- Design tasks
- Design folios
- Manufacturing Tasks
- Manufacturing products to a working drawing
- Responses to unseen questions

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Researching	Designing	Working with others
Presenting	Analysing	Dealing with social issues
Practical Abilities	Manufacturing	Developing self confidence
Numeracy	Evaluating	Expressing ideas
Literacy		

Assessment:

Write Make Do

Assessment will cover all of these three methods. There will be short projects that will allow you to assess how you are getting on in the course. At National 4 level there will be a design folio and practical manufacturing projects to provide a more formal measure of your attainment. At National 5 level there will also be an examination, which will form 50% of your overall final grade.

Possible progression routes:

Within school progression is as follows:

- National 4
- National 5
- Higher Design and Manufacture
- Other SQA qualifications in the technologies and in expressive arts

After school, your Design and Manufacture qualifications could lead on to:

- A range of design- or manufacturing- related Higher National Certificates (HNCs) and Higher National Diplomas (HNDs)
- Degrees in Product Design or in design- or manufacturing-related disciplines

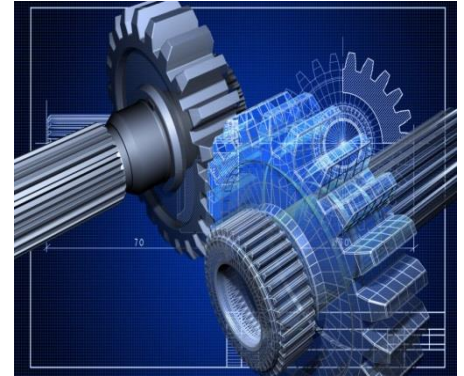
Some possible careers for pupils who have a particular interest in Design and Manufacture would be:

- Architecture
- Industrial Design
- Carpentry and Joinery
- Engineering
- Furniture Design
- Product Design
- Jewellery Design
- Web Design
- Model Making and many, many more

Why Study Engineering Science?

The course is carried out in the Design and Technology department and helps candidates to develop an understanding of the far-reaching impact of engineering on our society. They learn about the central role of engineers as designers and problem-solvers, able to conceive, design, implement and operate complex systems.

The course develops skills in three main areas. Learners are able to apply these skills through a range of contexts, within the broad discipline of engineering.



What I will learn:

Engineering Contexts and Challenges Roles of Engineers, Impacts of Engineering, Energy and Engineering Systems

Electronics and Control Building/Simulating electronic circuits, Digital Electronics including Logic Gates, Flowcharts and Programming.

Mechanisms and Structures Pneumatic circuits, Gears and Drive Systems, Materials, Loads and Forces

What are the benefits of studying this course?

Engineering Science in third year will provide learners with the following benefits:

- You will develop skills in the understanding of key engineering facts and ideas.
- You will develop an understanding of the relationships between engineer, mathematics and science.
- You will develop and apply skills in analysis, design, construction, simulation and evaluation to a range of engineering problems.
- You will develop and communicate engineering concepts clearly and concisely, using appropriate terminology.

Skills developed	Personal qualities developed
Analysing engineering problems	Decision making.
Designing, developing, simulating, building, testing and evaluating solutions to engineering problems.	Self-management. Design and creativity skills. Organisation skills.
Investigate and evaluate existing and emerging technologies	Critical thinking.
Knowledge of types and working of a range of engineering roles and objects.	Awareness of the impact of engineering on society.
Applying engineering knowledge and skills in a range of contexts.	Critical thinking. Decision making.

Evidence of learning is gathered by:

Pupils will produce work in a variety of ways, including:

Problem solving, Computer simulation, practical construction and Engineering design tasks.

How will I learn – the activities and tasks I can expect:

Pupils will produce work in a variety of ways, including:

- Problem Solving
- Researching
- Practical Application
- Computer Simulation
- Responses to unseen questions

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Researching	Designing	Working with others
Presenting	Analysing	Dealing with social issues
Problem Solving	Problem Solving	Developing self confidence
Numeracy	Evaluating	Expressing ideas
Literacy		

Assessment:

Write

Make

Do

Assessment will cover all of these three methods. There will be short projects that will allow you to assess how you are getting on in the course. At National 4 level there will be an Assignment to apply engineering skills and knowledge developed. At National 5 level there will be an Assignment and an examination.

Future study from S3 Engineering Science:

Within school current progression is as follows:

- National 4
- National 5
- Higher

After school, your Engineering Science qualifications could lead on to:

- A range of engineering- related Higher National Certificates (HNCs) and Higher National Diplomas (HNDs)
- Degrees in Engineering or in engineering-related disciplines

Some possible careers for pupils who have a particular interest in Engineering Science would be:

- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering
- Quantity Surveying
- Civil Engineering

Why Study Environmental Science?

Environmental science is a multidisciplinary subject focussing on the study of the environment, and the solutions for environmental problems. It integrates physical, biological and information sciences (incorporating elements from ecology, physics, chemistry, zoology, mineralogy, oceanology, soil science, geology, atmospheric science, geography and others).



Environmental scientists are involved in tackling issues such as global climate change, pollution, use of land and water resources and changes in wildlife habitats. It involves an understanding of scientific principles, economic influences and political action.

This course provides a broad and up to date selection of ideas relevant to the central position of environmental science in society. You will investigate key areas of the living environment such as biodiversity and interdependence.

Environmental Science takes a problem solving approach to attempt to develop solutions that prevent or reverse environmental deterioration and aim for sustainable practices.

The skills that you learn while studying Environmental Science, such as investigating, critical thinking, project management and survey techniques, are valuable in a wide variety of industry sectors including renewable energy, forestry and environmental conservation and agriculture.

What are the benefits of studying this course?

Environmental Biology in third year allows candidates to understand and investigate the world in an engaging and enjoyable way. It develops candidates' abilities to think analytically, creatively and independently, and to make reasoned evaluations. The course provides opportunities for candidates to acquire and apply knowledge, to evaluate environmental and scientific issues, to consider risk, and to make informed decisions. This can lead to candidates developing an informed and ethical view of topical issues. Candidates develop skills in communication, collaborative working and leadership, and apply critical thinking in new and unfamiliar contexts to solve problems.

Skills developed	Personal qualities developed
Skills of scientific inquiry	Inquisitiveness, persistence
Practical	Dexterity, interpretation of instructions
Communication	Interpersonal skills
Scientific literacy	Awareness of impact of science in society

What I will learn:

Environmental science is an interdisciplinary subject, which draws from science and social science subjects. You will learn about how we use the Earth's resources, different ways of producing energy, and the effects of global climate change. This will help you to make your own decisions on contemporary issues where scientific knowledge is constantly developing.

The course comprises **three** areas of study.



Living environment The key areas covered are: Investigating Ecosystems and Biodiversity; Interdependence; Human influences on biodiversity.

Earth's resources The key areas covered are: An overview of Earth systems and their interactions; the Geosphere; the Hydrosphere; the Biosphere; the Atmosphere.

Sustainability The key areas covered are: An introduction to Sustainability; Food; Water; Energy; Waste management.

Alongside Level 3 and Level 4 Science Experiences and Outcomes students will study aspects of each of these 3 areas in S3 to gain a broad understanding of the course.

How will I learn? – The activities and tasks I can expect:

An experimental and investigative approach is used to develop knowledge and understanding of Environmental Science concepts. Typical learning activities in school include:

- Experimental investigation or demonstrations
- Collecting and interpreting data
- Trips and outdoor learning
- Reading texts to extract information
- Answering questions to practise comprehension and problem solving skills
- Formative assessments to evaluate progress in learning



Contribution to life in and beyond school:

The Course develops learners' interest and enthusiasm for Environmental Science in a range of contexts. Skills of scientific inquiry and investigation are developed throughout the Course by investigating the applications of Environmental Science. This will enable learners to become scientifically literate citizens, able to review the science-based claims which they meet.

Skills for Learning	Skills for Work	Skills for Life
Numeracy	Practical scientific techniques	Environmental awareness
Scientific literacy	Applications of Science in industry	Risk awareness

Evidence of learning is gathered by

- Written evidence in jotters, homework and practical work.
- Written responses to test questions.
- Peer discussion and talks to the rest of class
- Direct observation of classroom activities

End of unit tests and checktests will be used throughout the course to assess progress.

Future study from S3 Environmental Science

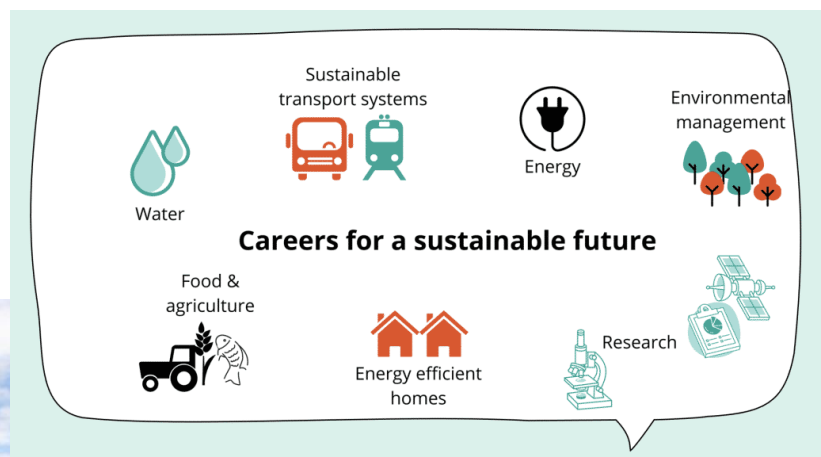
Depending on performance in S3 learners may progress to a National 5 or National 4 Environmental Science in S4 or later in S5/6 if individual needs dictate. Staff will help learners and parents with guidance on which level will be more suitable in the February of third year.

If they complete the course successfully, it may lead to further study in Higher Environmental Science, or further education degree courses in Environmental Science. This would be a useful subject area for further study, training or employment in:

- Animals, Land and Environment
- Agriculture
- Forestry
- Environmental Services or Conservation
- Offshore and Renewable Energy
- Science and Mathematics
- Town and Regional Planning



Environmental Science- Related careers



Why Study Drama?

Drama develops skills and knowledge that are essential to modern life and to the world beyond school. It is difficult to imagine any job that does not involve communication with other people and the study of Drama helps to develop confidence, clarity of thought and self-assurance when dealing with and speaking to others.



The Drama course provides learners with rich opportunities to be creative and to experience inspiration and enjoyment. Creating and presenting are prominent activities for all learners. Their acting and presenting skills are developed through participating in scripted and improvised drama. Exploring real and imaginary situations helps learners to understand the world and their place in it. They develop the capacity to evaluate their knowledge and understanding through the exploration of technical aspects of theatre and scripts, and commenting on their own work and the work of others.

The technical side of Drama has become increasingly prominent as new technologies are now a more prominent part of the course and pupils can gain experience in lighting and sound techniques as well as costume, use of props and theatrical hair make up design.

What are the benefits of studying this course?

- You will develop the ability to work collaboratively and cooperatively with others
- You will develop the confidence and ability to be able to express your opinions to others
- You will develop your ability to problem solve and respond creatively in a wide variety of situations
- You will become more able to generate and communicate your thoughts and ideas
- You will have the opportunity to choose areas of study that particularly interest you
- You will develop your ability to learn independently

Skills developed	Personal qualities developed
Creating and producing drama	Team work
Planning and researching topics, themes, issues	Resourcefulness
Planning and researching production roles (lighting, sound, set, props, costume hair & make-up)	Creativity and analysis
Use of form, structure and genre in productions	Self-management

How will I learn? – the activities and tasks I can expect:

- listening and discussion in pairs, groups and as a whole class
- creating and presenting drama, both devised and using texts
- exploring theatrical conventions and theatre arts in a practical way
- evaluating your own work and that of others (both written and verbal)
- exploring a variety of texts and stimuli

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Creating	Cooperation	Developing self-confidence
Presenting	Analysing	Working with others
Researching	Evaluating	Expressing ideas and emotions
Collaborating	Adaptability	Dealing with social issues

Evidence of learning is gathered by:

Pupils will produce work in a variety of ways, including:
performances (to a live audience and recorded for evaluation purposes), written evaluations, peer discussions, presentations, task sheets, direct observation of classroom activities, research tasks.



Assessment:

Assessment is formative and on-going throughout the course for both National 4 & National 5 and involves a wide variety of tasks, both written and practical. At National 5 level there is a written examination paper and a practical examination to provide a more formal measure of your attainment.

Possible progression routes:

Within school progression is as follows:

National 3 > National 4 > National 5 > Higher > Advanced Higher

Pupils' progress will depend on their attainment within the course. Some pupils will start at National 3, whereas others may start at National 4 or National 5 level.

After school, your Drama qualifications could lead on to College or University courses, or to employment. You will need the skills acquired in Drama to be successful in many courses, careers and jobs.

Some possible careers for pupils who have a particular interest in English would be:

Pupils who have shown an interest in Drama and pursued the subject go on to be successful in a wide variety of careers. Careers in Medicine, Law, Education, the Media and Journalism are just some that see the value of the subject and appreciate that it helps to equip candidates with relevant and useful skills for both work and life.



Why Study English?

The ability to use English effectively is crucial to your success at school and in later life. English is an essential aspect of many career paths and most jobs require an English and Literacy qualification as an essential component. Core English and Literacy skills in Reading, Writing, Talking and Listening are embedded in every aspect of the course. In addition, many college courses require entrants to have studied English to National 4/5 levels with many university courses requiring you to study beyond National 5 level.

What are the benefits of studying this course?

- You will develop the language needed for expressing thoughts, ideas and emotions. You will develop the skill of understanding the thoughts, ideas and emotions of other people.
- You will find out how language works and how it is used for particular effects.
- You will develop independent learning; and discover the enjoyment of understanding the language used in your own and other cultures.
- You will develop language skills to allow for more effective writing and presentations.
- You will become familiar with a variety of types of text.



Skills developed	Personal qualities developed
Listening, Talking, Reading and Writing	communication skills, empathy, confidence, imagination
Understanding, analysing and evaluating texts	perseverance, resilience, critical thinking, empathy
Creating and producing texts	creativity, individuality, imagination, perseverance
Planning and researching	Decision making, personal responsibility,

How will I learn? – the activities and tasks I can expect:

- listening and talking, reading and writing activities - to help you develop key literacy skills
- understanding, analysing and evaluating texts in many genres - to help you to recognise how authors create particular effects in their work
- creating and producing a range of texts - to help you to develop your use of vocabulary, sentence structure, paragraphing and many other writing techniques.
- exploring the particular features of a variety of literary and media texts – to help your skills in analysis, evaluation and critical thinking

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Group working	Citizenship	Working with others
Literacy	Group working	Dealing with social issues
Researching	Analysing	Developing self confidence
Presenting	Evaluating	Expressing ideas/emotions

Evidence of learning is gathered in the following ways:

Critical essays, short answer questions, individual presentations, group discussions, extended writing in many genres

Assessment:

Write Make Do Say

Assessment will cover all of these four methods. There will be regular assessments of different kinds to allow you to receive feedback and evaluate how you are getting on in the course. At National 5 level there will be an examination to provide a more formal measure of your attainment.

Possible progression routes:

Within school progression is as follows:

National 3 > National 4 > National 5 > Higher > Advanced Higher

Pupils' progress will depend on their attainment within the course. Some pupils will start at Access 3, whereas others may start at National 4 or National 5 level.

After school, your English qualifications could lead on to College or University courses, or to employment. You will need skills in English and Literacy to gain entry to many courses and jobs.

Some possible careers for pupils who have a particular interest in English would be:

Journalism
TV & Radio
Teaching
Advertising
Public Relations
Social Work
Events Management
And many more ...



Organisational Cookery Skills, Techniques and Processes

This Unit aims to enhance learners' cookery skills, food preparation techniques and their ability to follow cookery processes in the context of producing dishes. It will also look to extend their planning, organisational and management skills. Learners will develop the ability to follow recipes; to plan, produce, and cost dishes. They will also extend their ability to carry out an evaluation of the products being produced.

Food Production Industry

The course also aims to develop the understanding of sustainability and also current dietary advice. Learners will demonstrate knowledge of current factors affecting food, lifestyle and consumer choices in straightforward contexts. Furthermore pupils will learn about the food production industry and gain first hand experiences of butchery through to cookery.

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Numeracy	Citizenship	Hygiene
Literacy	Health and Safety Practices	Organisational skills
Researching	Analysing	Flexible employability
Presenting	Evaluating	Developing self confidence

Evidence of learning is gathered by:

Learners will produce work in a variety of ways, including: safe and hygienic practices in practical food preparation, developing food products to meet the needs of design briefs, answers to questions and responses to unseen questions.

Possible progression routes:

Within school, progression in Health and Food Technology could be as follows:

- National 4
- National 5
- Higher
- Advanced Higher

Within school, progression in Hospitality: Practical Cookery could be as follows:

- National 4
- National 5





After school, your qualifications could lead on to:

- A range of Health and/or food related Higher National Certificates (HNCs) and Higher National Diplomas (HNDs)
- Degrees in Health and Food Technology related disciplines and Food and Nutrition Science
- Employment and/or training in the Health and Food Technology field
- SVQ Level 2 and/or Level 3 Professional Cookery
- Degrees in Hospitality Management and Business
- Enterprise and self-employment
- Employment and/or training in the Hospitality and/or Food Industry

Some possible careers for pupils who have a particular interest in Food and Health related areas would be:

- Dietician/Nutritionist
- Education
- Environmental Health Officer
- Food Technologist
- Food Photographer
- Food Scientist
- Home Economist
- Journalist/ Food Writer
- Product Developer
- Quality controller
- Sports Nutritionist
- Supermarket Buyer
- Catering/Restaurant/Hotel Manager
- Cruise Ship Personnel
- Events or Kitchen Management



Why study Geography?

Geography opens up for learners the physical environment (rivers, mountains, seas and weather) around them and the ways in which people interact with this environment.

The purpose of Geography is to develop the learner's understanding of our changing world and its human and physical processes. Opportunities for practical activities, including fieldwork, will be encouraged, so that learners can interact with their environment.

The contexts for study are local, national, international and global.

Geography draws upon the social and natural sciences: interdisciplinary learning is therefore fundamental to geographical study and encourages links with other disciplines.

In the 21st century, with growing awareness of the impact of human activity upon the environment and scarce resources, the study of Geography fosters positive lifelong attitudes of environmental stewardship, sustainability and global citizenship. This qualification will furnish learners with the knowledge and skills to enable them to contribute effectively to their local communities and wider society.



What are the benefits of studying this course?

- You will gain a geographical perspective on environmental and social issues while studying, for example, environmental hazards such as volcanoes, earthquakes and tropical storms
- You will gain an interest in the environment leading to an understanding of the world and its sustainable development. Climate change is an area of direct interest here.
- You will learn how physical and human processes affect the way people interact with the environment at local, national and global scales; particularly in the study of weather systems and landscapes.
- You will become aware of spatial relationships and develop an understanding of how the world is changing, for example in the study of farming in the UK or in the study of urban areas in the rich and poor parts of the world.
- You will gain skills of fieldwork by studying outside the class room in many areas of the course.

Skills developed	Personal qualities developed
Research information on geographical issues	Active citizenship
Mapping skills; making maps and using them in fieldwork	Awareness of environmental issues
Reading and interpreting ordnance survey maps	Team working
Using graphical and numerical data in geographical contexts	Critical thinking
Evaluation of source material	Self-management and independence as a learner

Why Study Graphic Communication?

The course introduces learners to the diverse and ever-increasing variety of presentation methods employed in graphic communication. The Course provides opportunities for learners to gain skills in reading, interpreting and creating graphic communications. Learners will initiate, develop and communicate ideas graphically. They will develop spatial awareness and visual literacy. It combines elements of creativity and communicating for visual impact with elements of protocol and an appreciation of the importance of graphic communication standards, where these are appropriate.

The Course is of broad general benefit to all learners. It also provides a solid foundation for those considering further study, or a career, in graphic design, engineering, advertising, marketing, and related disciplines. Learners will also gain valuable transferable skills for learning, life and work.



What are the benefits of studying this course?

- You will initiate, develop and communicate ideas graphically
- You will develop your skills in interpreting graphic communications initiated by others
- You will develop your use of graphic communication equipment, software and materials effectively
- You will develop your knowledge and understanding of graphic communication standards and protocols

Skills developed	Personal qualities developed
Design skills	Creativity, flexibility and adaptability
Spatial awareness and visual literacy	Enthusiasm and a willingness to learn
An understanding of graphic communication technologies on our environment and society	Perseverance, independence and resilience
Desk Top Publishing skills	Responsibility and reliability
Computer Aided Drawing skills	Confidence and enterprise

How will I learn – the activities and tasks I can expect:

- Use of Desk-Top Publishing software to produce advertising material
- Sketching and Rendering
- Use of 3D modelling software to design products
- Projects that build on skills taught during the course

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
3D Modelling Skills	Designing	Working with others
DTP Skills	Analysing	Dealing with social issues
Numeracy	Use of 3D modelling software	Developing self confidence
Literacy	Use of DTP software	Expressing ideas

Evidence of learning is gathered by:

Pupils will produce work in a variety of ways, including:

Individual Pupil projects, Computer-based projects and coursework, collation of a presentation folio

Possible progression routes:

Within school progression is as follows:

- National 4
- National 5
- Higher Graphic Communication
- Other SQA qualifications in the technologies and in expressive arts

After school, your Graphic Communication qualifications could lead on to:

- A range of design- or manufacturing- related Higher National Certificates (HNCs) and Higher National Diplomas (HNDs)
- Degrees in the fields listed below and other design or marketing-related disciplines

Some possible careers for pupils who have a particular interest in Graphic Communication would be:

- Architecture
- Advertising
- Animation and Computer Games Design
- Engineering
- Graphic Design
- Interior Design
- Textile Design
- Internet and Multimedia Design (and many, many more).



Why study Health and Food Technology?

The purpose of this Course is to allow learners to develop practical and technological skills and knowledge and understanding to make informed food and consumer choices.

What are the benefits of studying this course?

- You will develop knowledge and understanding of the relationships between health and nutrition, the functional properties of food, lifestyle choices and consumer issues
- You will be able to develop skills and be able to make informed food, lifestyle and consumer choices
- You will develop skills and be able to apply your knowledge in practical contexts
- You will develop safe and hygienic practices in practical food preparation
- You will develop organisational and technological skills and be able to contribute to your own and others' health and nutritional needs

Skills developed	Personal qualities developed
Technological skills related to food production	Self-management
Organisational skills	Critical Thinking
Problem solving skills	Decision making
Food preparation skills	Organisational Skills

How will I learn – the activities and tasks I can

expect:

Food for Health

Learners will develop knowledge of health and nutrition, dietary needs and advice, lifestyle choices and their impact on health. Learners will develop practical skills and knowledge in food preparation techniques and safe hygienic practices.

Food Product Development

Learners will participate in a range of practical activities that demonstrate the functional properties of food and its uses. Learners design, create and evaluate food products to meet specified needs.

Lifestyle and Consumer Choices

Learners will demonstrate knowledge of current factors affecting food, lifestyle and consumer choices in straightforward contexts.



Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Numeracy	Citizenship	Hygiene
Literacy	Health and Safety Practices	Organisational skills
Researching	Analysing	Dealing with social issues
Presenting	Evaluating	Developing self confidence

Evidence of learning is gathered by:

Learners will produce work in a variety of ways, including:

safe and hygienic practices in practical food preparation, developing food products to meet the needs of design briefs, answers to questions and responses to unseen questions.

Possible progression routes:

Within school, progression in Health and Food Technology could be as follows:

- National 4
- National 5
- Higher
- Advanced Higher

Alternatively, you could take a course in Hospitality Practical Cookery in which progression is - National 4 > National 5 > Practical Cake Craft (National 5)

After school, your Health and Food Technology qualifications could lead on to:

- A range of Health related Higher National Certificates (HNCs) and Higher National Diplomas (HNDs)
- Degrees in Health and Food Technology related disciplines and Food and Nutrition Science
- Employment and/or training in the Health and Food Technology field



Some possible careers for pupils who have a particular interest in Food and Health related areas would be:

- Dietician/Nutritionist
- Education
- Environmental Health Officer
- Food Technologist
- Food Photographer
- Food Scientist
- Home Economist
- Journalist/ Food Writer
- Product Developer
- Quality controller
- Sports Nutritionist
- Supermarket Buyer

The Hospitality Courses could lead to Diploma or Degree courses or careers in the Hospitality Industry, for example, training as a chef in hotels and restaurants. Other career progression would be in Hotel Management.

Why Study History?

History opens up the world of the past for learners. The purpose of History is to provide learners with insights into their own lives and the society in which they live. By examining the past, they discover their heritage as members of a community, a country and a wider world. They place themselves and their society in the context of the past. History uniquely provides opportunities for learners to study past societies, the changes they have undergone, and the ways in which they have embraced or sometimes resisted change. Through such studies, History provides learners with both a perspective on, and an understanding of, the forces which have shaped their own society and societies in other countries.



What are the benefits of studying this course?

- You will acquire breadth and depth in your knowledge and understanding of historical themes and events across topics from Scottish, British and European/World history.
- You will develop your imagination and empathy with people living in other time periods.
- You will enhance your understanding of our modern, multi-cultural society and provide a life-long interest in the past and society.
- You will develop your ability to think independently.
- You will research and use information collected from a range of historical sources taking into account their usefulness and differing historical viewpoints.
- You will develop language skills to allow for more effective writing and presentations.

How will I learn – the activities and tasks I can expect:

- Listening and talking, reading and writing activities will help you develop key History skills.
- Creating and producing pieces of work will help you to display understanding of historical events, develop argumentative writing and use specialist vocabulary.
- Understanding, analysing and evaluating a range of historical sources will help you to recognise how authors try to influence opinion and how views differ over events.
- Working with others to develop historical skills
- Researching historical themes with the use of ICT, paper sources and historical artefacts.

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Group working	Citizenship	Working with others
Literacy	Team work	Dealing with social issues
Researching	Analysing and evaluating	Developing self confidence
Presenting	Independent thinking	Expressing ideas/emotions
Use of ICT	Critical thinking	Understanding of how modern society was created

Evidence of learning is gathered by:

Ongoing assessment

Pupils will produce work in a variety of ways, including:

Research work, Critical analysis of historical sources, Short and Longer pieces of written work, Group Discussions, Group Presentations, Answers to questions, Paired work, Leaflets, Posters, Storyboards, Film clips, etc.

Possible progression routes

Nat 4 - Nat 5 - Higher – Advanced Higher

After school your history qualification could lead on to university, college courses or employment. The skills you learn in history are valued by most employers and for entry to most further education courses.

Some possible careers for pupils who have a particular interest in History would be:

Directly linked to History

Historian
Archaeologist
Tourism
Teaching
Research
Museum work

Using key History Skills

Journalism
TV & Radio
Social Work
Public Relations
Law
Librarian



Why study French?

Learning any modern language helps develop several essential skills: literacy, interpersonal skills, communication, teamwork and ICT skills. Language learning activities encourage young people to take responsibility for their own learning, to assess their own strengths and weaknesses and to develop an awareness of the needs of others. Language learning also encourages an enhanced sense of connectedness as a member of communities at regional, national and international levels. In the modern world, languages and communication skills have become increasingly important in the workplace, where global trade, business, travel and ICT are part of everyday life. In the world of international trade and business, competence in a language is a valuable employability skill.



Employment aside, there are strong social and cultural reasons why so many people continue to learn French. More tourists visit France than any other country in the world. French is a major global language and the only language other than English spoken on five continents. French, along with English, is the official working language of:

- the United Nations
- UNESCO
- NATO
- the International Olympic Committee
- the 31-member Council of Europe
- the European Community
- the International Red Cross



France is a major world leader in medical research, electronics manufacturing, telecommunications, and aircraft and car production.

What are the benefits of studying this course?

You will develop:

- your existing range of vocabulary on a variety of topics
- your ability to communicate in oral and written French in a variety of real-life contexts
- your ability to read French and understand it
- your ability to listen to spoken French, understand and respond appropriately
- your knowledge of French-speaking countries, their cultures, customs and language
- your enjoyment of learning a language and how you can use it in your daily life as well as future career prospects
- your understanding and knowledge of grammar
- your independent learning skills

How will I learn? - The activities and tasks I can expect:

Listening, Talking, Reading and Writing activities will allow you the opportunity to use a range of vocabulary in a variety of real-life contexts whilst developing essential literacy and numeracy skills.

Reading, understanding and analysing texts in the foreign language will enhance your ability to read for information and discover more about the language and culture. It will also develop your knowledge about the language through a variety of activities such as film studies, poetry, songs, the Internet and authentic resources such as newspapers and magazines.

Researching activities will enable you to discover and learn more about other countries where the foreign language is spoken. It will also enable you to develop your style of independent learning to help you learn more effectively.

Creating and producing texts in the foreign language will enable you to apply your knowledge of the vocabulary and grammar of the language as well as enabling you to be expressive and creative.

Contribution to life beyond school

Skills developed	Personal qualities developed
Listening, Talking, Reading & Writing	Independent learning skills
Reading, understanding and analysing texts in the foreign language	Team work
Research skills	Self-management
Creating and producing texts in the foreign language	

Evidence of learning is gathered by pupils producing a portfolio of work through:

- presentations
- written work
- posters
- answers to questions
- responses to texts
- homework
- research topics

Possible Progression Routes

Pupils opting for French in S3 will have the opportunity to aim for the SQA Modern Languages for Life and Work SCQF Level 4 Award. Learners who are successful at this level in S3 will be able to progress to National 4 or 5 French in S4.

Pupils selecting French for S4 will be aiming for National 4 or 5 with the possibility of progressing to Higher in S5 or S6.

Why Study Mathematics?

Maths affects everything we do in our lives. It forms the basis for many other subjects and is fascinating in its own right. It also leads on to a variety of fulfilling careers.

You may not need to use algebra when you go shopping, but the architects who designed the shop did, the surveyor who laid out the plans will have used Maths and so did the builders who built it.

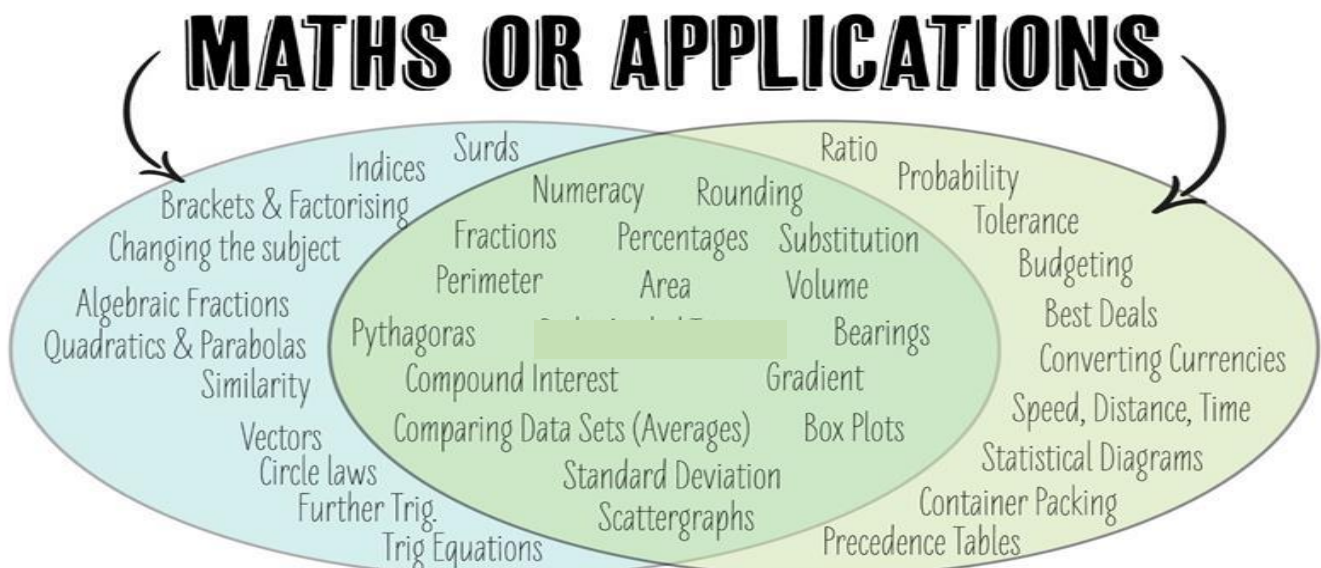
The engineers who designed the machines, roads and bridges which made and enabled the delivery of the goods you buy will also have used Maths.



If you're thinking of going straight from school into employment, then Maths is quite possibly the most important subject you can take, as the ability to understand and manipulate numbers and mathematical concepts is extremely useful for almost any job. Employers rate Maths skills very highly: there is always a demand for employees who can think logically and process information accurately.

What are the benefits of studying this course?

We offer two courses, Mathematics and Applications of Mathematics, both of which have progression routes into the senior phase. The different topics are shown in the diagram below.



WHAT'S THE DIFFERENCE?

Skills developed	Personal qualities developed
Numerical, algebraic, geometric, trigonometric, statistical and reasoning skills.	Team work
Interpreting a situation where mathematics can be used and identifying a strategy.	Decision making
Explain a solution and relate it to a context .	Problem Solving

How will I learn – the activities and tasks I can expect:

- to develop knowledge and skills, at the appropriate level, in numeracy, algebra, geometry, trigonometry and statistics.
- to develop reasoning skills, at the appropriate level, in problem solving, investigating, analytical proof and modelling.
- to develop thinking skills, at the appropriate level, in applying, analysing and evaluating information.

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Numeracy	Group Work	Self Confidence
Problem Solving	Effective Contributor	Taking Responsibility
Analytical Thinking	Creative Thinking	Logical Thinking

Evidence of learning is gathered by:

Pupils will produce work in a variety of ways, including:

Class Assessments, Homework, Group Work, TARSIA Activities, Computer Assessments, Posters, etc.

Assessment:

National 2, National 3 and National 4 are assessed internally within the school. Pupils must pass all of the required units in these courses. In the National 5, Higher and Advanced Higher courses there is an external examination which is graded A to D.

Possible progression routes:

Within school progression is as follows:

National 4 > National 5 > Higher > Advanced Higher in Mathematics

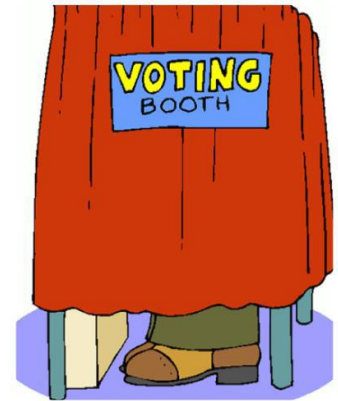
National 3 > National 4 > National 5 > Higher in Applications of Mathematics

Pupils' progress will depend on their attainment within the course. Some pupils will start at National 2, whereas others may start at National 3, National 4 or National 5 level in Mathematics or Applications of Mathematics. Whilst it is possible, it is unlikely a pupil will progress from National 2, 3 or 4 to Higher Maths and beyond.

After school, your Mathematics qualifications could lead on to College or University courses, or to employment. You will need skills in Mathematics and Numeracy to gain entry to many courses and jobs.

Why Study Modern Studies?

In Modern Studies you examine contemporary society and the world around you. It encompasses three main elements: Political, Social and Economic areas of study. In Modern Studies you become equipped with many transferable skills which will enable you to effectively contribute in a variety of events and activities throughout your life. Being able to analyse information and make decisions is an essential life skill, as is having an awareness of current affairs and how they can affect you.



What are the benefits of studying this course?

- You will engage as an active and informed member of society
- You will appreciate the changing nature of modern society as a local and global citizen (**by studying America as a World Power and The Media in S3**)
- You will understand human and legal rights and the responsibilities that go with them
- You will understand democratic government and the ways in which people are informed and participate in a democracy (**by studying Politics and democracy in the United Kingdom in S4**)
- You will become aware of current social and economic issues from a local level to an international level and how needs and inequalities are dealt with (**by studying international terrorism as a world issue, and crime and law in the UK in S4**)

Enquiry Skills

As well as learning new knowledge with each unit pupils will also have to develop skills to be able to deal with different source based questions. These are termed “enquiry skills” and in each of the three units there is one skill to be learned:

- International terrorism (world issue): Making and justifying a conclusion
- Politics and democracy in the United Kingdom: Finding evidence to support/oppose a statement
- Crime and the Law in the UK: Making and justifying a decision

How will I learn – the activities and tasks I can expect:

- Teacher led discussion, group work and personal reading
- Class based news review and tasks based on a range of resources including key texts
- Presentations as part of group tasks
- Homework tasks which consolidate the above
- Research projects

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Group working	Group working	Group working
Numeracy	Numeracy	Independence
Literacy	Literacy	Analysing and evaluating
Research	Processing data	Global citizenship
Presentation	Interpreting data from a range of sources	Problem solving

Evidence of learning is gathered by:

Observation and review of class work; responses to questions/tasks; homework tasks; class discussion; project work, topic/section specific tests, presentations

Possible progression routes:

Within school, depending on attainment, progress could be as follows:

National 3 > National 4 > National 5 > Higher > Advanced Higher

The nature of Modern Studies with its focus on current events and issues means that it offers content and skills which can support a wide variety of study and career options.

Modern Studies can support careers in a variety of sectors including:

- Government at all levels
- Education
- Journalism
- Law
- Marketing & Advertising
- Social/ health services
- Tourism
- Urban & Rural Planning



Why Study Music?

Music provides learners with rich opportunities to be creative and to experience inspiration and enjoyment. Performing and creating music will be the prominent activities for all learners. Through these activities, they develop their vocal and instrumental skills, explore sounds and musical concepts, and use their imagination and skills to create musical ideas and compositions. They can further develop their understanding and capacity to enjoy music through listening to musical performances and commenting on them. They use ICT to realise or enhance their composition and performance, and to promote their understanding of how music works.

Music is a broad field and there are lots of career choices, with jobs in teaching or music therapy, production, promotion, management as well as performance.

Music can also contribute towards a richness of experience which is highly valued by employers in areas beyond the music industry.



What are the benefits of studying this course?

- You will develop skills in creating music, which may include composing, arranging and improvising, by applying a range of compositional techniques
- You will develop skills in musical analysis and be able to discriminate between a range of styles and genres of music
- You will develop musical literacy through an understanding of a range of music concepts and ideas
- You will perform a variety of music on your chosen instrument with accuracy
- You will have opportunity to reflect on your work and the work of others

Skills developed	Personal qualities developed
Increasing musical performing skills, co-ordination, organisation, groupwork	Self-management, respect for others, discipline,
Increased knowledge of musical concepts & literacy	Confidence
Learners ability to reflect on their own musical development	Critical thinking
Applying compositional techniques	Decision making

How will I learn – the activities and tasks I can expect:

- musical performance, playing in a variety of situations will help you to develop this skill
- creating original music in a variety of different styles will help you to develop your use of musical concepts, literacy and compositional techniques
- exploring & listening to a variety of music will help you to become more aware of the musical concepts and language used by composers in a wide variety of styles and periods of music.
- Use of music technology will help you to develop and apply your understanding of music

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Self-management	Performance	Working with others
Target setting	Meeting Targets	Developing self confidence
Using a range of resources	Analysing	Expressing ideas/emotions
Preparation	Evaluating	Presenting

Evidence of learning is gathered by:

Pupils will produce work in a variety of ways, including:
Performances, Compositional Activities, Listening Activities, etc.



Assessment:

Assessment will take the form of:

A written question paper

Recording a portfolio of pieces performed on two instruments which will be assessed by the department (Level 3 or Level 4 and in preparation for National 3 or National 4)

Preparing to perform to an external examiner (National 5)

Producing a folio of compositions

Possible progression routes:

Within school progression is as follows:

Level 3>Level 4>National 3>National 4>National 5>Higher>Advanced Higher

Pupils' progress will depend on their attainment within the course. Some pupils will start National Levels at National 3, whereas others may start at National 4 or National 5 level.

After school, your Music qualifications could lead on to College or University courses, or to employment. Many of the skills developed through the study of Music will help in your application to other courses.

Some possible careers for pupils who have a particular interest in Music would be:

Teaching

Instrumental Instruction

Media

Band/Orchestral Player

Music Management

Composing/Arrangement

Music Retail

Music Librarian

Sound Engineering/Recording

Music Theatre

Music Therapy



Why Study Music Technology?

In Music Technology you will be working mostly on computers. You are not required to be able to play an instrument in Music Technology but if you wish to use your instrument skills then you can. You will use Mixcraft software to create projects such as a radio show, podcast or audiobook, sound foley and sound design and multi-tracking. You will work independently and with others to learn how to record live instruments as they would in a studio, learning about microphone technique and how to mix tracks. You will also complete short reports on different 20th and 21st century music styles and genres such as electronic dance music, rock, skiffle, pop, blues and jazz. We will also explore copyright law.



What are the benefits of studying this course?

- You will develop skills in using music technology hardware and software to capture and manipulate audio that can be developed into creative projects.
- You will develop skills in musical analysis and be able to discriminate between a range of 20th and 21st century styles and genres of music
- You will have opportunity to reflect on your work and the work of others

Skills developed	Personal qualities developed
Basic skills in using music technology hardware and software to capture and manipulate audio	Self-management, respect for others, discipline,
Knowledge of music technology hardware and knowledge of features and functions of music technology software	Confidence
Planning, implementation and simple evaluation of a sound production	Critical thinking
Knowledge and understanding of 20th and 21st century musical styles and genres, and how they relate to the development of music technology	Decision making
The ability to reflect on own work	

How will I learn – the activities and tasks I can expect:

- Individual and group practical work
- Working in recording studio environments
- Using a wide range of ICT and software, including Mixcraft
- Interactive listening lessons exploring rock, pop, blues, jazz, electronic dance music, and more.
- Specialist use of professional-level equipment, microphones and software
- Opportunities to develop skills in real-life scenarios, including sound engineering for school productions and events.

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Self-management	ICT	Working with others
Target setting	Meeting Targets	Developing self confidence
Using a range of resources	Analysing	Expressing ideas/emotions
Understanding	Evaluating	Presenting

Evidence of learning is gathered by:

Pupils will produce work in a variety of ways, including:
Listening research projects, final music technology mixes.

Assessment:

Music Technology Skills

Throughout S3 we will assess specific skills through short tasks in which a criteria has to be met. Pupils will be asked to carry out a specific task and will also have to justify the choices they have made in the scenario.

Music Technology in Context

Pupils will have the opportunity to choose their own folio projects to complete.

Understanding 20th and 21st Century Music

A number of small research tasks are completed on a range of musical styles and genres, including any relevant technology used.

Possible progression routes:

Within school progression is as follows:

Level 3>Level 4>National 3>National 4>National 5>Higher>Advanced Higher

Pupils' progress will depend on their attainment within the course. Some pupils will start National Levels at National 3, whereas others may start at National 4 or National 5 level.

After school, your Music Technology qualifications could lead on to College or University courses, or to employment. Many of the skills developed through the study of Music Technology will help in your application to other courses.

Some possible careers for pupils who have a particular interest in Music Technology would be:

Teaching

Director of Audio/Visual Events

Audio and Lighting Technician

Audio Engineer

Audio Visual Specialist

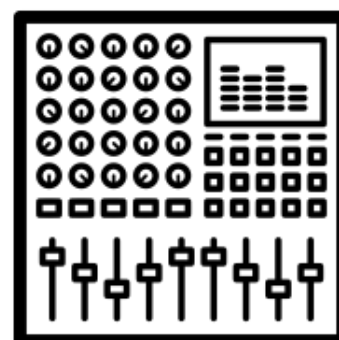
Music Producer

Media

Music Management

Composing/Arrangement

Music Retail



Personal and Social Education (PSE) Curriculum Area: Health and Wellbeing

What are the benefits of studying this course?

In PSE we operate a progressive programme with particular focus on skills. This includes specific skills to enable young people to cope with the challenges they face in today's society. It also aims to create a connection with the workplace through 'skills for learning, life and work'.



This course will benefit all pupils in their personal development.

- You will improve your decision making skills.
- You will develop the skills needed to improve interpersonal relationships.
- Provide opportunities to express themselves and enhance self esteem.
- Develop health information to make informed decisions

Skills developed	Personal qualities developed
Expressive: To voice an opinion based on evidence	Express personal views, confidence in expressing these.
Thinking Skills, Literacy, Health and well being, Presentation Skills, Research skills	Creativity, Problem solving, Self management.
Critical: Analysis of health information and its relevance to improving your own health and wellbeing	Ability to discuss and analyse information relevant to career and health choices
	Confidence and the ability to make informed judgments. Enjoyment, as skills are enhanced through practice.

How will I learn – the activities and tasks I can expect?

- Research into relevant Health and Wellbeing topics
- Discussions with peers, groups and as a class on a variety of topical issues which are pertinent to young people
- Presentations from outside agencies/speakers
- Developing your own presentations/information to share with the class
- Engaging in self and peer assessment with a view to setting targets for self reflection and improvement



Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Communication	Problem solving	Resilience, working with others
Target Setting	Decision making	Developing self confidence
Presenting	Evaluating	Dealing with social issues
Researching	Analysing	Expressing ideas/ emotions

Evidence of learning is gathered by:



The curriculum and the learning and teaching methodologies used are designed to give pupils opportunities to develop the 4 capacities. Courses develop on from S2 and articulate to offer progression and appropriate challenge. The subject naturally cultivates several important aspects, particularly critical and creative thinking, problem-solving, evaluating and decision-making.

Assessment:

Assessment supports learning. A number of effective formative assessments strategies are used to encourage pupils to be more actively involved in the learning process and to be more effective communicators and contributors.



Why Study Photography?

Photography provides learners with opportunities to continue to acquire and develop the attributes and capabilities of the four capacities as well as skills for learning, skills for life and skills for work. The course is designed to encourage pupils to be creative and to express themselves in different ways. Learning through Photography helps learners to develop an appreciation of aesthetic and cultural values, identities and ideas. Students will develop their knowledge of Photography practice and practical. Learners will develop important skills, attitudes and attributes. Learning in this course will include active involvement in creative activities and the creative use of technologies.



What are the benefits of studying this course?

This course will benefit pupils who are interested in Photography.

- You will benefit from learning how to take photographs exploring a range of themes using your own mobile phone cameras.
- You will develop the skills needed to take a successful photograph including composition, viewpoints and lighting
- You will begin to understand the main influences on photographic practice.
- Develop personal and imaginative visual ideas through photography practice

Skills developed	Personal qualities developed
Photography: Ability to create and express using the mobile phone camera. Produce investigative and visual research from a photographic brief. Take a range of photographs exploring key aspects in photography. Evaluate final photographs	Express personal ideas, confidence in taking a successful photograph Creativity Problem solving Research skills, self-management
Critical: Analysis of Photographers. Understanding of the factors influencing their work.	Ability to discuss and analyse the world in a more visual way. Visual literacy skills.
Thinking Skills, Literacy, Health and Well being.	Confidence and the ability to make informed judgments. Enjoyment, as basic photographic skills are enhanced through practice.

How will I learn – the activities and tasks I can expect?

- Develop personal and imaginative visual ideas through photographic work, looking at a range of themes.
- Responding to visual stimuli by selecting and using suitable subject matter for a themed photographic activity.
- Use basic photographic techniques, showing visual understanding of the subject matter and understanding of the visual elements.
- Produce a series of shoots and visual research on portraiture, still life and/or landscape.
- Simple visual problem solving, planning and self-reflection when initiating, and developing ideas for photographic shoots.
- Respond to photographic briefs and develop imaginative ideas to produce final photographs. Evaluate these photographs.
- Critically evaluate the work of photographers.

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Creative development	Problem solving	Resilience, working with others
Design	Decision making	Developing self confidence
Presenting	Evaluating	Dealing with social issues
Researching	Analysing	Expressing ideas/ emotions

Evidence of learning is gathered by:

A portfolio of photographic work and critical evaluation of Photographers and their work.

Assessment

Assessment supports learning and is on-going over the year. A number of effective formative assessment strategies are used to encourage pupils to be more actively involved in the learning process and to be more effective communicators and contributors. Pupils are encouraged to self and peer assess on a regular basis. Discussion takes place at regular intervals to improve skills and inform next steps.

Homework exercises are set regularly to help develop responsible working habits. Skills are developed which could allow pupils to progress to the senior level.



Why study Physical Education?

Physical Education and physical activity are key components of Wallace Hall’s commitment to improving the health and wellbeing of our students. All S3 pupils will take part in Core PE for two periods per week. All pupils will, through their core P.E follow a National 4 course in S4. Pupils who pick P.E as an additional subject in S3 will be able to sit a National 5 course in S4. The programme is designed to offer the pupils a choice of activities that suits their interests and abilities.

During the programme, pupils are encouraged to:

- develop a healthy and positive attitude to exercise
- develop their performance skills across a wide range of activities
- develop their social skills through working with other people
- develop understanding of factors the impact on performance



National 5 Physical Education-What are the benefits of studying this course?

- Enables pupils to engage in physical activity with a positive attitude, to contribute to a healthy and fulfilling lifestyle
- Improved practical and performance skills
- Pupils will learn how mental, social, emotional and physical factors can influence effectiveness in performance
- Pupils will reflect on and monitor performance to inform and influence personal improvement
- Pupils will be given the opportunity to develop team-building skills and enhance ability to compete, co-operate and collaborate.
- Will help develop decision-making, problem solving and inter-personal skills related to PE that are transferred to other life and work contexts.

Skills developed	Personal qualities developed
Movement and performance	Team-work
Problem-solving and reflecting	Decision-making
Basic approaches for improving or refining skills, fitness, performance composition and tactics	Use of initiative
Planning and implementing solutions in performance situations	Leadership and confidence
Reflecting and monitoring of performance	

How will I learn – the activities and tasks I can expect:

Pupils will experience a range of individual and team activities and improve their skills through using various methods. Pupils will gather information on their own performance then, after analysing, will plan and carry out an improvement programme.

Contribution to life in and beyond school:

Skills for Learning	Skills for Work	Skills for Life
Literacy-listening and talking	Working in pairs and groups	Working with others
Thinking skills-remembering and applying	Leadership skills	Physical well-being
Evaluating	Decision-making	Emotional well-being
	Organisation skills	

Evidence of learning is gathered by:

Performance Skills - Pupils will be required to demonstrate a broad range of straightforward performance skills in two physical activities. This is often recorded and used as evidence and as a basis for improvement.

Factors Impacting on Performance - Pupils will also be required to demonstrate knowledge, understanding and application of a range of factors which have positively and negatively impacted on their performance. As well as examining and analysing their development, pupils will be required to propose a plan of action for further improvement. This will be done through a portfolio or other written assessment.

Possible progression routes:



Within school all students will follow a course in core P.E as, in line with Scottish government guidelines, P.E is a compulsory subject. All pupils who pick P.E as an additional subject will receive an additional 2 periods per week and in S4 they will be able to follow either a National 4 or a National 5 course.

Pupils' progress will depend on their achievement within the course. Some pupils will start at National 4 and others at National 5 level. Successful completion of these courses could lead to Higher PE and Advanced Higher PE.

Physical Education is a useful subject area for many careers including:

- Fitness instructor/Personal Trainer
- Lifeguard
- Sports Scientist
- PE teacher
- Sports journalist
- Armed Forces
- Police
- Sports psychologist
- Sports therapist
- Youth worker
- Sports coach
- Careers in leisure industry
- Physiotherapy
- Fire Service

Why Study Physics?

Physics is an important subject in many fields such as Mechanical and Electronic Engineering, Aviation and IT with careers varying from an Electrician or Car Mechanic through to a Pilot or Engineer.

The Physics National 4 and 5 courses will allow pupils to develop skills in making informed decisions, and prepare them to make reasoned evaluations on environmental and scientific issues. They will develop investigative and experimental skills in a physics context.

Learners will also gain valuable transferable skills for learning, life and work, including those of literacy and numeracy.



What are the benefits of studying this course?

Physics in third year equips learners with analytical problem solving skills, gives an understanding of the physical world and an awareness of the role of Physics in society.

Skills developed	Personal qualities developed
Skills of scientific inquiry	Inquisitiveness, persistence
Practical	Dexterity, interpretation of instructions
Communication	Interpersonal skills,
Scientific literacy	Awareness of impact of science in society

What I will learn:

Waves Different types of waves, measuring the speed of sound, calculations on waves, measuring sound level, ultrasound and its uses.

Dynamics Speed, distance and time, acceleration and how forces affect our everyday lives.

Electricity Building electric circuits, calculations involving electrical circuits and the dangers of electricity.

How will I learn – the activities and tasks I can expect:

An experimental and investigative approach is used to develop knowledge and understanding of Physics concepts. Typical learning activities in school include:

- Experimental investigation or demonstrations
- Reading texts to extract information
- Answering questions to practise comprehension and problem solving skills
- Formative assessments to evaluate progress in learning

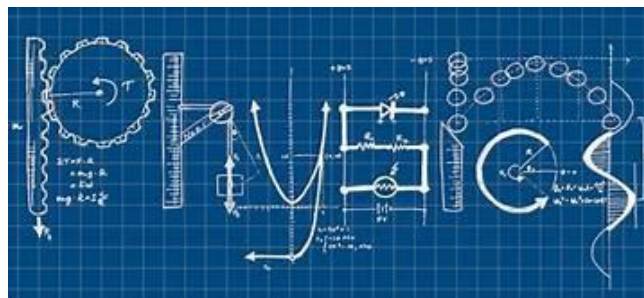
Contribution to life in and beyond school:

The Course develops learners' interest and enthusiasm for Physics in a range of contexts. Skills of scientific inquiry and investigation are developed throughout the Course by investigating the applications of Physics. This will enable learners to become scientifically literate citizens, able to review the science-based claims which they meet.

Skills for Learning	Skills for Work	Skills for Life
Numeracy	Practical scientific techniques	Health awareness
Scientific literacy	Applications of Science in industry	Risk awareness

Evidence of learning is gathered by

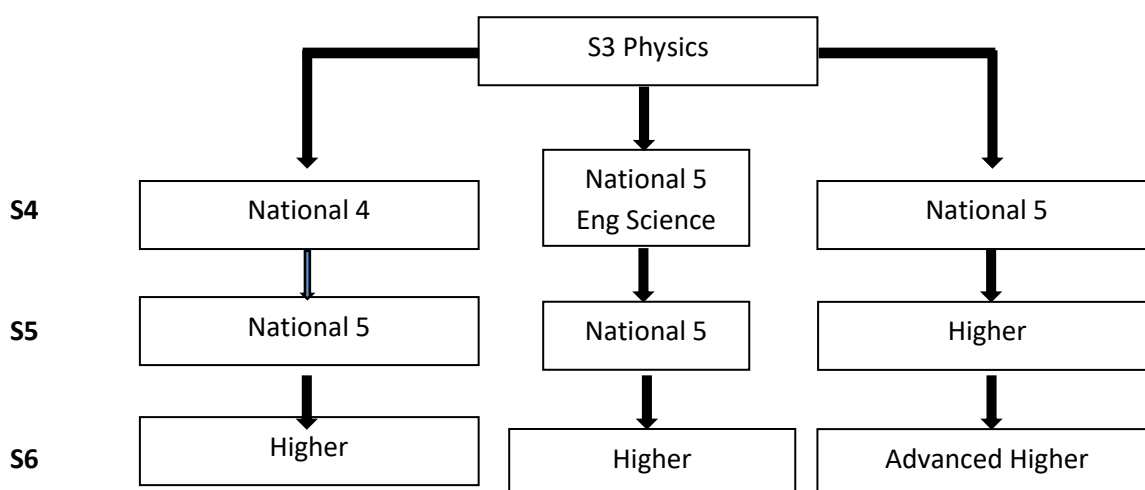
- Written evidence in jotters and folios of practical work.
- Written responses to test questions.
- Peer discussion and talks to the rest of class
- Direct observation of classroom activities



End of unit tests will be set at the end of each section of work.

Future study from S3 Physics

Depending on performance in S3 learners may progress to a National 5 or National 4 Physics in S4 or later in S5/6 if individual needs dictate. Staff will help learners and parents with guidance on which level will be more suitable in the February of third year. Please see the diagram below for possible progression routes through Physics after S3:



Physics is a useful subject area for many careers including engineering and health-related professions such as nursing and physiotherapy.

Religious, Moral and Philosophical Studies – S3 Core



Curriculum Area: Social Subjects

Whether you are religious or not, religion continues to shape the world in which we live. The vast majority of human beings make no distinction between their religion and their culture. Religion includes everything from law, literature and the arts to how people mark the greatest personal and social events. As well as responding to the deepest moral and philosophical questions, it also influences simple aspects of life such as what we eat or how we dress. Your study of RMPS will enable you to delve into these different dimensions of human experience. It will also help you to understand others and to decide what is valuable and meaningful for you.

What are the benefits of studying this course?

- You will learn to explain how and why religion shapes the lives of millions of people
- You will learn how to express your own point of view and to reach conclusions about moral issues
- You will learn how to respond to questions concerning the nature of reality and human existence
- You will develop an appreciation of cultural diversity and your own place in the world

The Development of Skills	The Development of Personal Qualities
The ability to: Understand Describe Explain Analyse Evaluate Empathise Make a positive contribution to the lives of others	Respect for oneself and others Openness to new thinking and ideas Self-awareness Secure values and beliefs

How will I learn – the activities and tasks I can expect:

During this course you will use and develop the transferable skills of reading, writing, listening and speaking.

You will engage in:

- Internet and book based research
- Interviewing guest speakers
- The investigation and use of artefacts
- Exploratory discussion and debate
- Visiting a community to investigate how and where a religion is practised

You will produce:

- High quality written work
- Individual and group presentations
- Educational films

Skills for Learning	Skills for Work	Skills for Life
Literacy Investigating Presenting Receptivity Diligence	Communicating Co-operating Evaluating Decision making Encouraging	Self confidence Empathy Dealing with different people and situations Problem solving Optimising



Evidence of learning is gathered by:

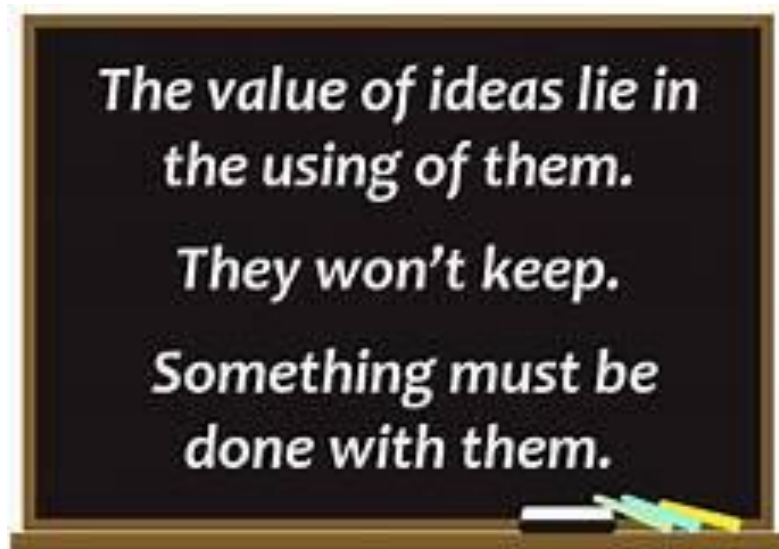
Short answer questions, extended writing, essays, contributions to group presentations and class discussions, the creative use of ‘field work’ – interviews, visits and trips – through the production of various educational texts.

Possible progression routes

Within school it is possible to undertake National 4 and National 5 RMPS.

RMPS can support careers in a variety of sectors including:

- Public Relations
- Social Work
- Tourism
- Law
- Journalism
- Politics
- Event Planning
- Hospitality
- And many more



Rural Skills National Agriculture Progression Award

National 5 – S4

Curriculum Area: Science

Why study Rural Skills?



The Rural Skills NPA at National 5 course will provide a practical approach to land industries based around farming. It will foster an interest in outdoor careers particularly in crop or livestock production while preparing individuals for employment in the farming sector.

Rural Skills NPA is aimed at candidates with an enthusiasm for working in the outdoors. Some previous knowledge of agriculture helps but is not necessary.

Candidates should want to further develop their knowledge of crop and livestock production systems and practices. This qualification will furnish learners with the knowledge and skills to enable them to contribute effectively to their local communities and wider society.

What are the benefits of studying this course?

- provide candidates with skills and knowledge in a specific land-based vocational area
- provide opportunities to develop core skills including *Communication, Working with Others, Problem Solving, Numeracy* and *ICT* in a realistic work setting
- provide candidates with an understanding of the nature of land-based workplaces
- allow candidates to develop skills and attitudes required for employability in the land-based sector
- facilitate progression to further study in a specific land-based industry

Skills developed/Personal qualities developed

Livestock Production

- Demonstrate knowledge of major crop production systems in the UK.
- Describe basic production practices for a farm crop from planting to harvesting.
- Identify machines for crop production and describe their uses.
- Carry out practical crop husbandry skills.

Crop Production

- Demonstrate knowledge of the main livestock production systems in the UK.
- Describe basic livestock husbandry practices over a production cycle.
- Identify equipment and machines for livestock production and describe their main uses.
- Carry out practical livestock husbandry skills.

Rural Business Investigation

- Investigate the nature of a local rural business enterprise.
- Describe and explain the job roles within the rural business enterprise.
- Describe the main sustainable features of the local rural business.
- Investigate an alternative enterprise into which the rural business could diversify.

How will I learn – the activities and tasks I can expect:

The course will continue to develop the practical and presentation skills of the pupils.

A range of methodologies will be used including:

- Practical activities on local farms for a double period once a week.
- Working with local farmers through the Queensbury Initiative gives ample scope for hands on experiences.
- DVD
- Research and presentation of farm diversification options
- Use of ICT including the virtual learning platform wiki spaces, Prezi, Windows Moviemaker, photo-story and GIS.
- Cooperative group-work activities designing revision games
- Presentations as part of group tasks
- Homework tasks which consolidate the above

Contribution to life in and beyond school:

- Group working
- Numeracy - making calculations independently
- Literacy—Dealing with agricultural issues

Evidence of learning is gathered by:

Observation and review of class work; responses to questions/tasks; homework tasks; class discussion; practical lessons, topic/section specific tests, presentations

Possible progression routes:

Within school, depending on attainment, progress could be as follows:

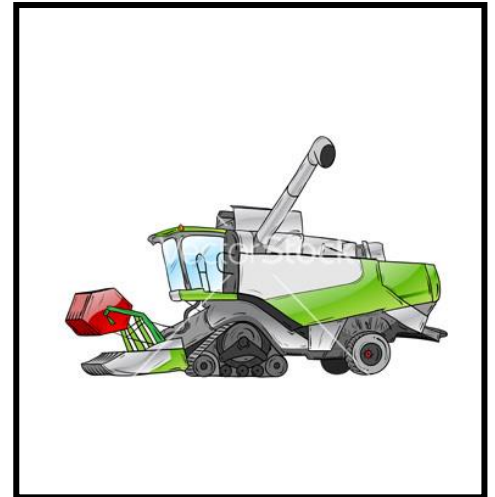
S3 Elective: Rural Skills—An introduction to Forests & Woodlands

S4/5/6 Rural Skills NPA at National 5 in Agriculture



The nature of Rural Skills Agriculture as a land based industry subject means that it offers content and skills which can support a wide variety of study and career options.

A Rural Skills qualification prepares candidates for further study or employment, although it does not completely prepare the candidate for the land-based workplace alone — candidates will require further training. However, successful candidates will have gained some of the occupational competences and employers may see the NPA as an appropriate way into a Modern Apprenticeship or other work-based learning qualification such as an SVQ.



The NPA also provides the opportunity to progress to a full-time course in a chosen specialism such as a National Certificate.



Rural Skills candidates find careers in a variety of sectors including:

- Agriculture
- Forestry
- Veterinary Medicine or Veterinary Science
- Gamekeeping
- Small animal care
- Modern Apprenticeship
- Equine Studies





People in Society

National 4

Aim

People and Society is a flexible and inter-disciplinary Course offering learners the opportunity to study themes, issues and topics of interest and relevance to them. It develops a range of skills as well as knowledge and understanding of people and society from across subject disciplines, drawing on the social studies, health and wellbeing, and religious and moral education curriculum areas

Recommended Entry Level

For National 4 - Completion of Modern Studies Course in S3.

Course Content

This Course is flexible and is designed to be appropriate and relevant to learners' needs. It offers significant opportunities for personalisation and choice. The approach taken and themes chosen for study in this Course can be drawn from a range of social subject/social science disciplines.

The course is divided into 3 units, with pupils completing a different project for each one:

Investigating Skills

In this Unit, learners will develop a range of straightforward investigating skills, including choosing suitable sources of information for an investigation, collecting information from sources of different types, and organising information. Learners will develop these skills through choosing, with guidance, key ideas for study which will allow them to acquire straightforward knowledge and understanding of people and society.

Comparing and Contrasting

In this Unit, learners will develop straightforward skills of using information to compare and contrast. Learners will develop these skills through choosing, with guidance, key ideas for study which will allow them to acquire straightforward knowledge and understanding of people and society.

Making Decisions

In this Unit, learners will develop straightforward skills of using information to make decisions. Learners will develop these skills through choosing, with guidance, key ideas for study which will allow them to acquire straightforward knowledge and understanding of people and society.

Assessment

To achieve the National 4 People and Society Course, learners must pass all of the required units. These will be internally assessed and moderated. Pupils must meet all SQA outcomes for each unit with the work they submit.

Electives

One innovative way in which we encourage pupils to work and learn together is through our Elective Programme, which currently runs for 1 period per week. A range of Electives are on offer to pupils. These are designed by staff to be enjoyable, enhance skills, knowledge, self-confidence and satisfaction.

Electives also offer many additional opportunities.

- Opportunities to liaise with the wider community
- Critical thinking and problem solving opportunities applied to real life activities
- Development of real understanding which can be transferred to new contexts
- Challenges to imagination
- Opportunities to participate in charitable experiences
- Opportunity to showcase work and recognise achievement
- Opportunity to be involved with and debate real-life issues
- Opportunities to contribute to the planning of the Module
- Activities are personalised
- Exciting sports opportunities

Specific Electives for S3 in this academic session are:

- Activity Tourism
- Duke of Edinburgh
- Eco-Committee
- Fitness, Performance and Development

