



Lenzie Academy

S3 Course Descriptions

Session 2021-2022



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Art and Design

Why Study Art & Design?

Art & Design is everywhere around us: in architecture, fashion, graphics, product and interior design. In fact everything we use in our daily lives has been through the hands of a designer or artist. Art provides opportunities to express the way you see and comment on the world around you.

Some people say that you need a special talent to do well in Art and Design. However, all pupils who are prepared to work hard and listen to the advice of their teacher will certainly be rewarded in seeing their skills improve.

There are interesting vocational careers in Art and Design such as: Product; Architecture; Photography; film making; television; computer game and web-site design; fashion; jewellery; graphics and many other areas of design and fine art.

Qualifications can provide excellent training for many other non-Art or Design careers such as: Primary teaching; museum curator; beautician; hairdressing and marketing.



What do you study?



S3 will help prepare pupils for Senior Phase national courses that will be available to pupils at all levels and the course is split into two units.

1. Design
2. Expressive

Content of Course

Develop skills and experiment with new media, materials and technology; Solve problems through design; Observe and record through expressive drawing painting and 3D activities; Develop knowledge and understanding of artist's and designer's work and approaches in critical studies.

How do pupils get their grades?

In S3 Levels 4 & 5 are assessed within the department as a pass / fail.
Any final estimate grades awarded are subject to SQA approval.

In S4 at National 5, students are required to sit an external exam set by the SQA. Grades awarded range from A to D.



Homework Requirements

Practical and written homework will be issued regularly and will include: drawing; research; presentation of written work; exam revision and completion of folios.



Biology



Why study biology?



How are scientists trying to clone a woolly mammoth?

How have scientists created a 'glow in the dark' pig?

How did scientists grow a human ear on a mouse?



All these questions can be answered by studying Biology.

Biology is the study of all living things, from micro-organisms to the largest life forms we know about.

Biology is an important subject to study as it:

- Helps you understand how your body works and how to stay healthy.
- Helps you to understand the world around you.
- Helps you make informed decisions about topical issues in Biology such as cloning or genetic engineering.

People who study biology could be involved in careers in –

- Healthcare (medicine, pharmacist, dentist, nurse, psychology)
- Sport and exercise (science, medical genetics, physiotherapy)
- Environment (conservation, botany, ecology, zoology)
- Research (microbiology, immunology, pharmacology, biotechnology)

Also the research, investigative and problem solving skills you learn in biology are valuable in any career.

What do you study?

Biology in S3 will follow a blended learning curriculum in which students will learn level 4 CfE outcomes which will be developed into related National 3, 4 or 5 outcomes as appropriate.

In the **Life on Earth** topic, students will learn about ecosystems and biodiversity. This includes:

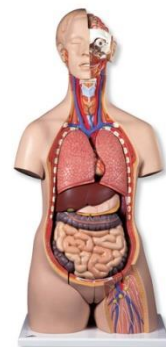
- Environmental factors.
- The importance of biodiversity and variation.
- Population growth.
- Behaviour.
- Energy in ecosystems.
- Photosynthesis.
- Nutrient cycles.
- Evolution and natural selection.



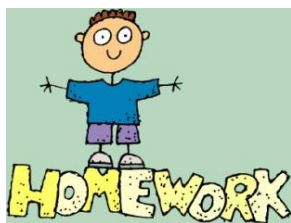
Illustration by Jeff Grader / property of Delta Education

In the **Multicellular Organisms** topic, pupils will learn about plants and animals. This includes:

- Cell division and cell specialisation.
- The nervous system and communication.
- Reproduction and inheritance.
- Organs and organ systems.
- Plant reproduction and propagation.
- Transport in plants and animals.
- The heart.



Homework Requirements



Students in the Biology department are expected to read their class notes and previous work on a weekly basis, even if there is no formal homework set by the class teacher. Written homework will be issued regularly, around once a week, and will usually consist of completing questions. This could also include taking notes, problem solving activities or carrying out independent research in preparation for group project work.



Business Education: Administration and IT



Why Study Administration and IT?

Administration and IT is very practical in nature and pupils can expect to make extensive use of computers, Internet and E-mail facilities. The course is set in the context of a modern business environment and pupils are encouraged to integrate their knowledge and skills to solve administrative problems.

Administrative and IT job opportunities are increasing as the Administration employment sector cuts across the entire economy and offers wide-ranging employment opportunities for young people.

Studying Administration and IT will uniquely enhance a young person's employability in these growing sectors by teaching them how to use relevant IT software to business standards and how to contribute positively to the Administrative systems used to run a successful business. Moreover, the Course makes an important contribution to supporting the wider curriculum and a pupil's general education through developing a range of transferable organisational and IT skills which will stand them in good stead regardless of the career path they ultimately choose.

Administration and IT does this by developing the following critical skills, knowledge and understanding:

- *IT skills in the use of word processing, desk top publishing, spreadsheet and database software*
- *IT skills in using technology for communication and investigation (e.g. e-mail and internet)*
- *Organisational skills (e.g. preparing business events and meetings)*
- *Problem solving skills*
- *Understanding of how key legislation affects businesses and employees*
- *Understanding of how to develop good customer care systems*

What Do You Study?

In S3, Administration and IT courses will cover level 4 outcomes that progress towards both National 4 and National 5 courses that can be studied in S4.



These outcomes will include topics on:

- IT Solutions for Administrators – including word processing, spreadsheets and databases
- Communication in Administration – including internet research, e-mail and electronic diary
- Administrative Practices – including tasks and qualities of Administrative Assistants, health and safety and customer care



How Do Pupils Get Their Grades?

In S3, pupils will be assessed on their progress through the level and these assessments will help to determine whether a pupil will follow a National 4 or National 5 programme in S4. These assessments may include a combination of practical work, case studies, examinations and projects.

At National 4 level, pupils will have to pass an Added Value unit and 3 additional Unit Assessments. These will be graded as pass/fail.

At National 5 level, pupils will have to pass the final Course Assessment. This will include an Assignment and a Question Paper.

Homework Requirements

Homework is an essential part of teaching in the Business Education Department and helps to establish a routine of high expectations and achievement. Homework will be set on a regular basis with the quantity being appropriate to the level of course each pupil is following.



Homework activities will take a variety of forms in order to develop the organisational and problem solving skills of the course as well as a breadth and application of subject specific knowledge.



Business Education: Business Management



Why Study Business Management?

Businesses need to be effectively managed if they are to successfully provide the jobs and products that modern society relies on them for.

This Course recognises the importance that business education plays in society. The course provides pupils with the opportunity to develop knowledge and skills which will allow them to access, understand and contribute to today's dynamic business world whether it be as an employee, manager or self employed entrepreneur.

Business Management does this by developing the following critical skills, knowledge and understanding:

- *Ethical decision making skills.*
- *Communication skills.*
- *Research skills.*
- *Entrepreneurial attributes.*
- *Understanding of how to interpret and evaluate financial management data.*
- *Understanding of how to develop effective marketing activities.*
- *Understanding of how to evaluate production techniques to maximise quality.*
- *Understanding of how to maximise the contribution of staff to business success.*
- *Understanding of how to use existing and emerging business technologies.*



What Do You Study?

In S3, the Business Management course will cover Level 4 outcomes that progress towards both National 4 and National 5 courses that can be studied in S4.

These outcomes will include topics on:

- Understanding Business – including types of business organisations and internal and external factors impacting on a business
- Marketing and Operations – including the marketing mix and the different methods of stock control
- Human Resources and Finance – including methods of recruitment and cash registers

How Do Pupils Get Their Grades?

In S3, pupils will be assessed on their progress through the level and these assessments will help to determine whether a pupil will follow a National 4 or National 5 programme in S4. These assessments may include a combination of practical work, case studies, examinations and projects.

At National 4 level, pupils will have to pass an Added Value unit and 2 additional Unit Assessments. These will be graded as pass/fail.

At National 5 level, pupils will have to pass the final Course Assessment. The final course assessment includes a question paper and an assignment.

Homework Requirements



Homework is an essential part of teaching in the Business Education Department and helps to establish a routine of high expectations and achievement. Homework will be set on a regular basis. This will allow the opportunity to consolidate, develop and revise the skills, knowledge and understanding being taught in the Unit.

Homework activities will take a variety of forms in order to develop the research, decision making, communication and entrepreneurial skills of the course as well as a breadth and application of subject specific knowledge.

Chemistry

Why Study Chemistry?

Chemistry is an essential part of our lives. It is concerned with the food we eat, the clothes we wear, the fuels we burn and the way in which we live.



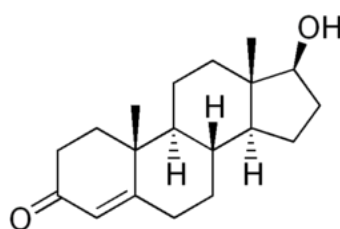
We all depend heavily on people who understand chemistry. Chemists are the men and women who work in industry, medicine and research, who try to make sure that we have a better standard of living. Chemists do this by:

discovering new drugs and medicines to improve health standards,
creating synthetic fibres and dyes for the clothes we wear,
making fertilisers and pesticides for use in agriculture,
developing special materials for electronics, computers and aeroplanes.

Doctors, vets, dentists, pharmacists, forensic scientists and many other occupations require a knowledge of chemistry. Chemistry is central to most of the basic sciences. It is linked with Physics through sciences such as electronics and astronomy, and is linked with Biology through sciences such as biochemistry, biomedical sciences and agriculture.

Chemistry also provides an excellent training for many non-scientific careers, since the study of chemistry develops skills such as: problem solving, analytical thinking, numeracy, practical skills and co-operation with others. These skills are much sought after in many occupations and areas of employment.

What Do You Study?



If you choose to study Chemistry in S3 you will embark upon study that will lead to National 5 qualification courses in S4 in the following areas:

Unit 1 Chemical Changes and Structure

This includes studying the structure and bonding of atoms, and the reactions of acids and alkalis.

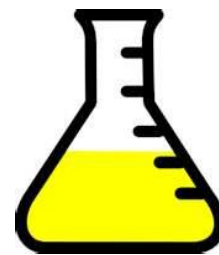
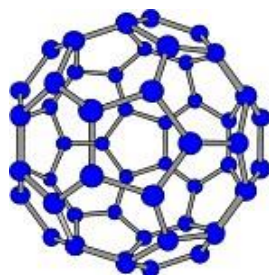
Unit 2 Nature's Chemistry

This includes studying fossil fuels and the chemistry of foods and plants.

Unit 3 Chemistry in Society

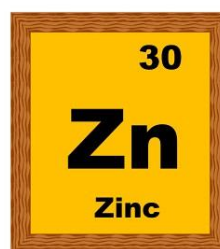
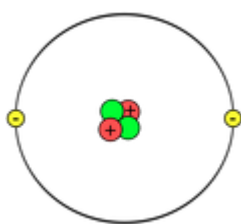
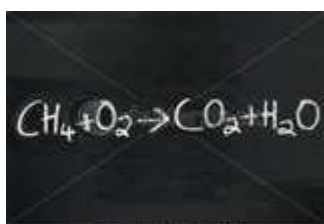
This includes studying metals, corrosion, plastics, ceramics, new materials, environmental issues and the techniques involved in chemical analysis.

How Do Pupils Get Their Grades?



National 5 Chemistry students are required to sit an external SQA written exam (100 marks), and to submit an assignment report (20 marks) to the SQA. The marks achieved in the assignment report and the exam are combined and an overall grade is awarded. National 5 awards are graded A-D.

Homework Requirements



Homework will be issued via "Show My Homework". It is anticipated that pupils will be issued with regular homework covering the work undertaken by the class that week. This could include written exercises, completion of class-work, revision of notes, studying for tests and doing on-line revision and assessments using the www.evans2chemweb.co.uk and www.bbc.co.uk/bitesize/subjects/zmnp34j websites.

Computing Science

Why Study Computing Science?

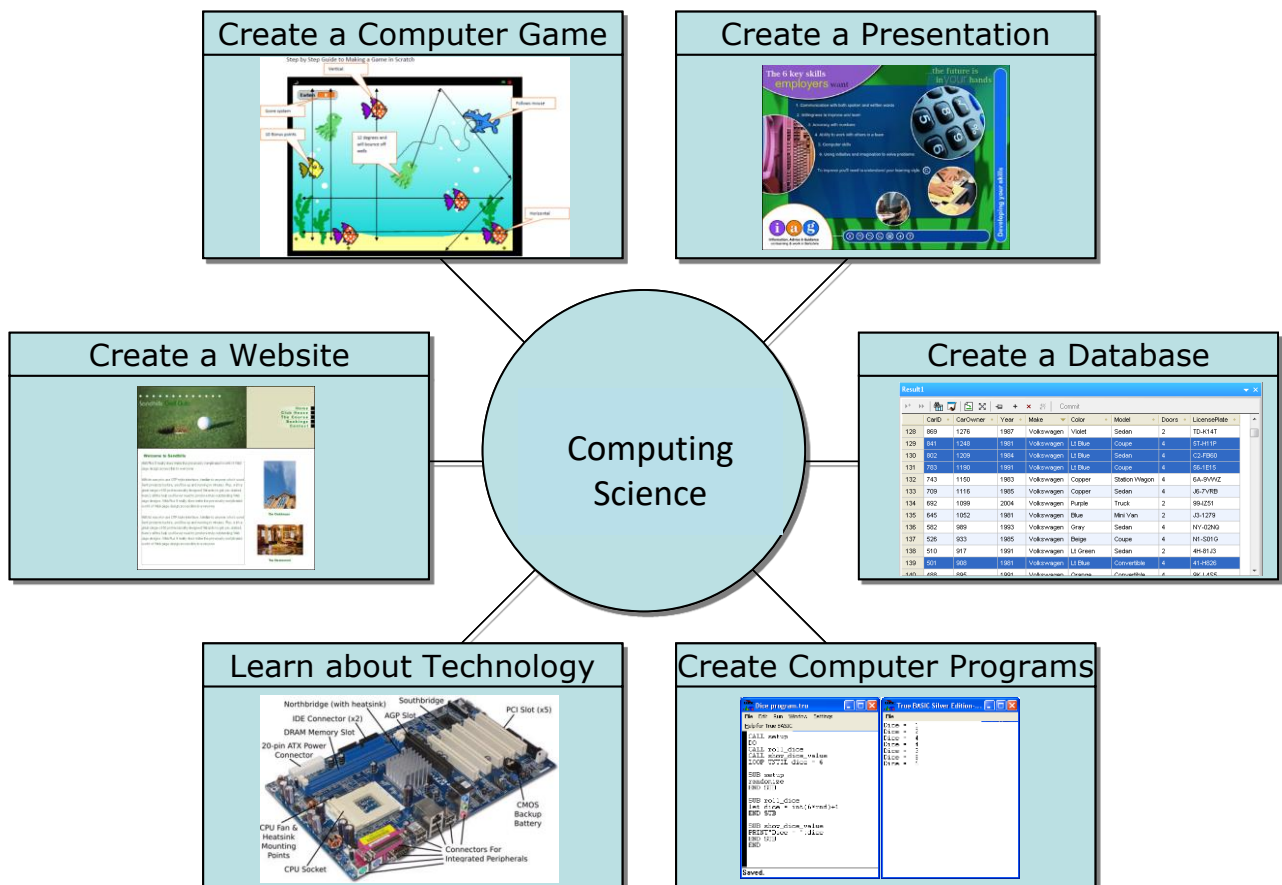
Computing Science is vital to everyday life and provides an understanding of the technologies that underpin the digital world; it shapes the world in which we live and its future. Computer Scientists play key roles in meeting the needs of society today and for the future, in fields which include science, communications, entertainment, education, business and industry. The jobs market is demanding more computer scientists and for all young people to have an informed view of the IT industry.



Computing Science also provides an excellent educational grounding that is valued by many employers and universities. Skills such as analysis, design, modelling and evaluation of problems; as well as problem solving and the development of computational thinking, will be developed throughout the course.

What Do You Study?

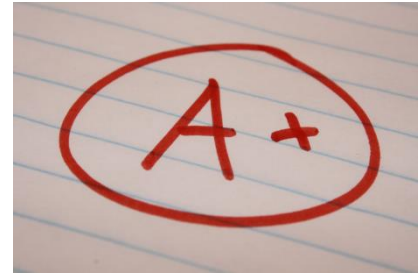
If you choose to study Computing Science in S3, you will begin studying work that will help prepare you for the National 4 / National 5 Computing Science course in S4 which overcomes many of the Level 4 technology outcomes for Computing Science. As part of this course, it is likely that you will:



How Do Pupils Get Their Grades?

In S3, pupils will be assessed regularly to ascertain whether they will be following the National 5 or National 4 curriculum in 4th year. This may include:

- Introductory Computer Systems end of topic written test
- A practical assessment – creating a website
- A practical assessment – creating a database
- A summative, written end of 3rd year exam which will assess all the work covered in 3rd year.



In S4, pupils will be focussing on either the National 5 or National 4 course. This may include:

- A National 5 or 4 practical assessment – creating a computer program
- A National 5 preliminary exam which will assess all the work covered in S3 and S4 and will be of a similar standard to the final exam
- An Added Value Unit
 - At National 5, pupils will:
 - carry out an assignment worth 50 marks (31% of the final award)
 - sit an external question paper worth 110 marks (69% of the final award).
 - At National 4, pupils will:
 - analyse a computing science problem
 - design a solution
 - implement their solution
 - test their solution.

National 5 exams are graded “A to D”. National 4 exams are graded “Pass” or “Fail”.

Homework Requirements

Homework is an essential part of the Computing Science curriculum. Homework will be issued regularly, about once a week and may take many forms:

- Answering questions
- Completing work not finished in class
- Researching work in preparation for the next class
- Planning and designing solutions to problems.



PE: Dance

Why study Dance?

Dance offers a fun, supportive environment and enables learners to develop a range of technical dance skills and widen their knowledge and understanding of choreographic skills. Dance will provide learners with the ideal experience that will enable them to develop confidence and motivation to live a physically active life whilst building interpersonal skills along with teamwork, evaluation and analysis skills.



What do you study?

In S3, Students will learn a wide range of technical skills in different dance styles such as Jazz, Contemporary and Hip Hop. They will learn to perform in pairs and groups and experience the excitement and energy of presenting/performing for small audiences and being part of an audience for other people's performances. Students will also learn choreographic techniques and have the opportunity to lead others in developing their own choreographic motifs and dances using a range of stimuli as well as learning how to use theatre arts to enhance performances.

In S4, students will study National 5 Dance and continue to develop their skills in two units of work:

- Technical Skills: Learners will develop their practical dance technique in contrasting dance styles and perform in set choreographed sequences. They will develop their knowledge and understanding of the importance of health, fitness and safe practice whilst performing. They will learn about factors that influence styles of dance and apply critical thinking skills to analyse evaluate dance technique.
- Choreography: Learners will develop and apply knowledge and understanding of choreographic device and structures along with self expression and problem solving to create a dance on a chosen theme. They will learn to appreciate professional practice and develop their understanding of how theatre arts are used to create more exciting performances. They will evaluate their own work and that of others.



How do pupils get their grades?

In S3 pupils are assessed to monitor progress. This will be carried out for each dance style on a practical basis to ascertain individual strengths for progression to National 5.

Choreography skills will also be assessed both practically and with theory checks based on choreographic principles.

In S4 pupils will be assessed throughout the year for both technical skills and choreography to aid appropriate progress is being made towards the National 5 qualification. The course assessment is made up of 3 parts:

- | | |
|--|-----|
| • Solo performance in one dance style | 35% |
| • Practical Activity (Choreography & Review of Choreography) | 45% |
| • Question Paper based on knowledge and understanding of unit work | 20% |

Homework requirements

In S3 and S4, homework will be issued fortnightly and is an essential component of the dance course. This homework may take a variety of forms:

- Written tasks
- Practical rehearsals
- Observation of professional/recorded dance pieces
- Revision/preparation for unit/course assessments



DT: Design Technology

Graphic Communication

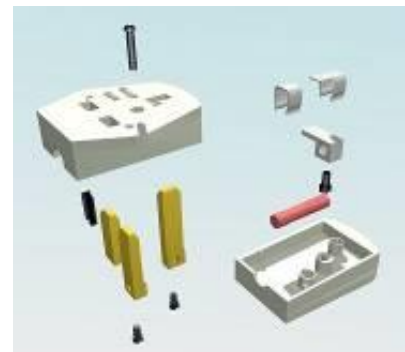


Why study Graphic Communication?

This course studies an aspect of communication which is present all around us and is used in many aspects of our everyday lives. It is an international language and is key in a whole host of activities and careers, including advertising, safety, engineering, architecture, driving and many, many others. Having an understanding of the basics of Graphic Communication will enable you to read and interpret drawings and allow you to more easily express your imagination, creativity and logical thinking. Pupils will learn to develop their spatial awareness and visual literacy.

The aims of the course are to enable learners to develop:

- Skills in sketching and rendering.
- Skills in using drawing boards to produce technical drawings.
- Skills in presenting and interpreting graphical images.
- An understanding of the impact colour has on our everyday life.
- Skills in using a computer to produce graphic items, (e.g. CADD, CAG and DTP).
- An understanding of the importance of Graphic Communication in our everyday world.



What do you study?

Work in S3 will help prepare you for National Qualifications in S4.

The course consists of the following topics:

2D Graphic Communication – in this topic you will use the drawing boards as well as the computer to develop two dimensional images. This will include drawings of a technical drawing nature and of a pictorial nature, so the use of colour rendering will be taught. Desktop publishing (DTP) and presentation skills are also taught.



3D Graphic Communication – this topic is similar to the 2D topic, but three dimensional images are constructed. The construction of 3D models is also taught as a means of conveying information in a 3D form. CADD (Computer-aided drawing and design) models are also produced in 3D.

The third unit (the **Added Value Unit/Course Assessment**) allows pupils to apply and extend their knowledge through a project / folio. Pupils will be able to extend and apply their knowledge and skills acquired during the course.

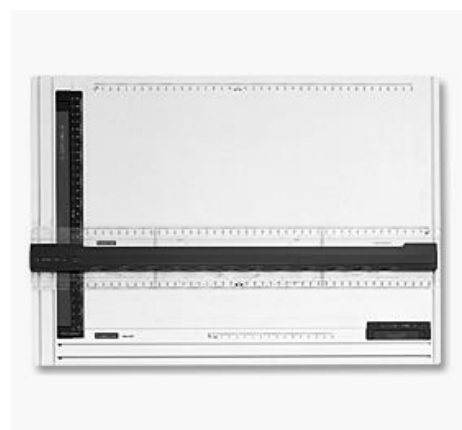
How do pupils get their grades?

At National 4, an award is made if all the Units have been passed. To achieve an overall award, pupils must pass all of the individual Units, including the Added Value Unit/Course Assessment. All Units are internally assessed and are marked on a pass / fail basis.

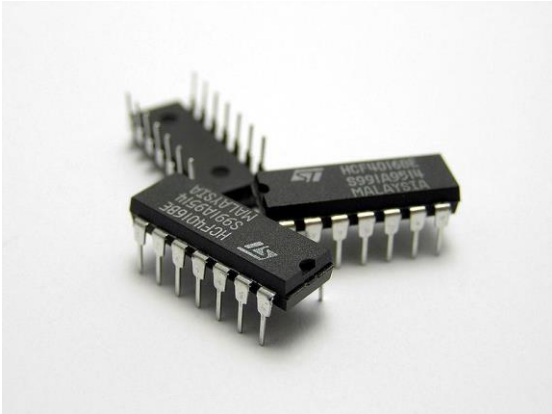
At National 5, there is a Course Assignment which is set by the SQA and is a folio of work marked out of 40. There is also a question paper which will be set and marked by the SQA and is also marked out of 80. This will determine the final grade which ranges from grade A to grade D.

Homework Requirements

Pupils will require to develop their knowledge and skills in a range of graphic techniques as well as graphics theory, so revision at home will be a requirement to ensure that these skills are fully developed, both for the folio and for the SQA examination (question paper)



DT: Design Technology Engineering Science



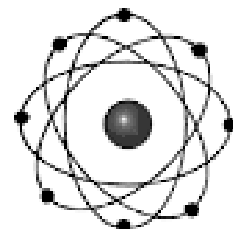
Why study Engineering Science?

Engineering is a broad area of human endeavour which brings together elements of technology, science and mathematics, and applies these to real world challenges. Engineering is vital to everyday life; it shapes the world in which we live and its future. Engineers play key roles in meeting the needs of society in fields which include climate change, medicine, IT, architecture, and transport. Our society needs more engineers and young people with an informed view of engineering, as well as having a high degree of technological confidence.

This course provides a broad introduction to engineering. It uses knowledge from other areas of the curriculum in order to solve everyday engineering problems. As a result, it provides a solid platform for the study of engineering at university level. For those pupils interested in technology but not intending to pursue a career in engineering, the course will develop their technological confidence in preparation for living and working in a technological world.

Engineering Science will develop a range of everyday skills such as:

- Applying knowledge and understanding of key engineering facts and ideas.
- Understanding the relationship between engineering, science, and mathematics.
- Apply skills in analysis, design, construction and evaluation to a range of engineering problems.
- Communicate engineering concepts.
- Develop an understanding of the role and impact of engineering in changing and influencing our environment and society.



What do you study?

Work in S3 will help prepare you for National Qualifications in S4.

The course consists of the following topics:

- Contexts and Challenges – develop an understanding of engineering and its role and impact on our environment and society.
- Electrical and Electronic Systems – explore a range of key concepts and devices used in electrical and electronic systems, including analogue, digital and programmable systems. Develop skills in problem solving through computer simulation, practical projects and investigative tasks.
- Mechanical Systems – investigate how mechanisms, pneumatic systems, and structures contribute to our everyday world. Our use of energy and its efficient use are also considered.

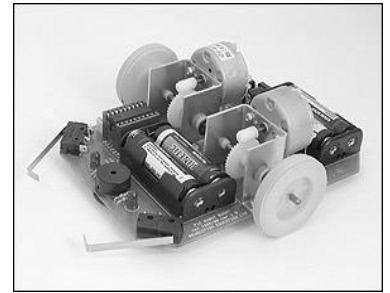
The fourth unit (the Added Value Unit) allows pupils to apply and integrate skills and knowledge from the other Units to solve an appropriately challenging engineering problem.

How do pupils get their grades?

At National 4, an award is made if all the Units have been passed. To achieve an overall award, pupils must pass all of the individual Units, including the Added Value Unit for National 4. All Units are internally assessed and are marked on a pass / fail basis. At National 5, there is also an external examination which is set and marked by the SQA. This, along with grade from a Course Assignment worth 31% of the course award, will determine the final grade which ranges from A to D.

Homework Requirements

Pupils will be required to develop knowledge of a range of concepts and symbols, as well as mathematical calculations, so regular practise at home will be a requirement to ensure that these skills are developed. At National 5, preparing for the external examination will be a key homework task.



DT: Design Technology

Practical Woodworking



Why study Practical Woodworking?

The course is designed for pupils who enjoy manufacturing items in wood. The course is very practical in nature and will allow you to develop your manual dexterity skills as well as learning to work accurately to tight tolerances. You will also learn the benefit of working alongside others in a workshop environment and how to work with tools in a safe manner. The skills that you acquire by successfully completing this course will be valuable for learning, for life and for the world of work. Due to the Health and Safety requirements in a manufacturing environment, you will learn to develop safe working practices and to become proactive in matters of health and safety. Almost all your time will be spent in the school workshop making items from wood. There is no design aspect to the course.

The aims of the course are to enable learners to develop:

- Skills in woodworking techniques.
- Skills in measuring and marking out.
- Safe working practices in a workshop environment.
- Practical creativity and problem solving skills.
- Environmental awareness.



What do you study?

Practical Woodworking will develop the skills required to enable pupils to undertake National 4/National 5 in S4.

The course consists of the following topics:



- Flat-frame construction – this topic helps you to develop skills in setting out and making basic woodworking joints commonly used in flat-frame joinery through the manufacture of a frame to hold a mirror or a picture.
- Carcase construction – in this topic, skills are developed as in the previous unit, but with carcass structures. In this unit, a small cabinet is manufactured.
- Machining and Finishing – this topic helps you to develop skills in setting up and using common machines and power tools. It will also help you develop skills in a variety of surface preparations and finishing techniques. In this unit, a small table is manufactured.

The fourth unit for National 4 candidates (the Added Value Unit) allows pupils to apply and integrate skills and knowledge from the other Units to manufacture a further item from wood to a given standard.

How do pupils get their grades?

At National 4, an award is made if all the Units have been passed. To achieve an overall award, pupils must pass all of the individual Units, including the Added Value Unit. All Units are internally assessed and are marked on a pass / fail basis.

At National 5, there is a Course Assessment which is a practical activity and is 70% of the course assessment. This activity will be set by the SQA but assessed by the school. An exam worth the remaining 30% completes the course. This will determine the final grade which ranges from grade A to grade D.

Homework Requirements

Pupils will be required to develop knowledge of a range of tools and processes so revision at home will be a requirement to ensure that these skills are fully developed. Preparing for practical tasks can also be carried out at home.



Performing Arts: Drama



Why Study Drama?

This primarily practical course aims to develop pupil's performance skills and enable them to further develop their creativity and skills in - problem solving, critical thinking and reflective practice. Pupils are also encouraged to communicate their thoughts, feelings and ideas when creating their own dramas. Moreover pupils will develop their confidence, ability to present to an audience and their evaluation skills. In addition to this pupils will develop their ability to work co-operatively with others and develop their social skills and ability to empathise. The course requires pupils to work collaboratively as a team but also gives pupils the opportunity to develop their leadership skills.

Possible careers in Drama:

Theatre/ Film / TV Acting, Presenting, Research role, Directing, Sound & Lighting roles, Producer, Choreographer, Costume Design, Playwright, Set Design, Stage Manager, creating & supplying Props
Education Teaching, Dialect Coach
Media Journalist, Critic, Arts Administrator, Proof Reader

What Do You Study?



- Pupils will undertake the following in S3:
- Introduction to S3 Drama through the text "Blood Brothers" to develop skills in Conventions, Genre, Form and Structure. Pupils will also revise voice and movement techniques.
- Dramatic Irony, Tension and Suspense through the text "The Attic" to develop skills in building tension & developing the ability to sustain a character.
- Theatre Production Skills through the text "Britannia Rules" to develop an understanding of theatre arts and how to apply and operate theatre arts during a production.
- Production skills through various extracts from "Shakespeare" plays with pupils learning to develop & consolidate characterisation techniques and present to an external audience
- Improvisation, Form and Structure through various texts. Pupils will develop their skills responding to various stimuli. Pupils will develop their script writing and directing skills using different genres, forms and structures to create a drama

How Do Pupils Get Their Grades?

All pupils are issued with a Timeline at the start of S3 indicating each month, what the topics of work are to help pupils prepare for assessments. The National Courses in Drama have the Performing Element as the largest proportion of the final grade in S4.

Pupils will undertake either National 4 or 5 in S4. Both National 4 and 5 are divided into two parts:

Drama Skills

This helps pupils to explore and develop a range of dramatic techniques and ways of communicating ideas to an audience. They will learn how to respond to text, stimulus and context. Pupils will also learn how to interpret role and character.

Theatre & Production Skills

This helps pupils to investigate theatre arts, production and technologies and learn how to apply problem solving skills in order to create and design production concepts.

In S4 for N5, pupils will complete an Acting Exam which is worth 60% and an external Question Paper set by the SQA which is worth 40% of the final grade.

Homework Requirements



The regular setting of homework is an essential component of the course and will take a variety of forms.

S3 pupils will complete a selection of structured responses through evaluation work, character research and development tasks, Theatre Design activities, script writing and learning their lines.



English



Why Study English?

English is a compulsory subject for all pupils but the literacy skills taught and developed throughout your time at Lenzie Academy are essential and desirable for a huge number of career and higher education opportunities. Some careers require an English qualification at this level. For example:

- Teaching
- Journalism
- Publishing
- Careers in the library service

But...

Most employers look for a firm foundation in literacy skills. As well as this, nearly all university and college courses require an English qualification at an appropriate level and, indeed, many university courses require Higher English as a condition of entry.

What Do You Study?

You will read and study a selection of novels, poems, short stories, plays, newspaper and magazine articles as well as some other media texts.

In Reading, you will continue to be taught how to analyse what a writer says and how a writer says it: analysing characters, language, themes, mood and tone through Critical Essays, some of which are timed to give a flavour of what is expected at National 5 and Higher.

You will also focus much more on specific skills of Close Reading, for example word choice, imagery, summarising and linking.

You will continue to be given opportunities to describe personal experiences, to write imaginative pieces, to write formal reports and to discuss topical and/or controversial issues, covering at least two of these genres in S3.

In Talking and Listening, you will develop the skills required for group discussion and solo talk through regular practice in both formal and informal settings.

Progression

Students at the end of S3 have a number of options for further study:

- A two year National 5 / Higher course
 - A two year National 4 / National 5 course
 - A one year National 5 course
 - A one year National 4 course
- } *Available if students decide not to continue with English in S5*

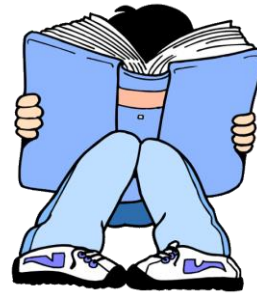
Decisions regarding the course embarked on are taken based on performance in timed Critical Essays, the Close Reading Tests and general class work.

Homework Requirements

Regular homework will be issued and it is very important that all deadlines are met: particularly where course assessments are involved. If homework is persistently late, or not submitted, then this will have a detrimental effect on learning.

Homework can take the following forms:

- Preparation for a talk or class task
- Preparation for a class assessment
- Exam revision and preparation
- Research on a class topic
- Personal Reading
- Finish off class work
- Undertake work based on the class text / unit
- Close Reading or grammar work



Geography

“Geography is the subject which holds the key to our future” – Michael Palin

Why study Geography?

“Studying geography arms graduates with a mix of skills employers want to see. The subject helps to develop a whole range of employability skills.” *Nick Keeley is director of the Careers Service at Cambridge University*

Geography university graduates continue to have one of the highest employment rates across all subjects. A survey of the Geographical Association revealed an interest in Geography from over 100 occupations including accountancy, banks, building societies, the civil service, computing, environmental sciences, forestry, medicine, the media, marketing, scientific services, teaching, town planning and travel and tourism.

Even if your future career has little to do with Geography, your studies are **skills based** and will have made you aware of what is going on in the world today. The **analytical skills** gained, in addition to the **teamwork skills** you will develop through **regular field trips**, will be of use to you throughout your life.

What do you study?

The S3 Geography course at Lenzie Academy is offered at BGE Levels 3&4 which complement the National 4, National 5 and Higher Geography courses studied in the Senior Phase. The purpose of the course is to investigate the world through three main areas of study, which are;

Physical Environments. This includes the study of weather, climate, scenery and conservation issues.



Human Environments. This includes the study of urban environments, agriculture, and population.



Global Issues. This includes the study of world diseases and the issues faced through global climate change.

The emphasis of the course will additionally be on the **acquisition of skills** (e.g. the use of new technology, map reading, report writing, etc.) and the **understanding of concepts** (e.g. conflict and co-operation, economic change, industrial and agricultural location, etc) which will equip you with the knowledge you require to **develop reasoned attitudes** to world issues (e.g. multiculturalism, globalisation, conservation, sustainability, etc).

How do pupils get their grades?

A variety of assessments will take place throughout the BGE course. These are likely to include:-

- Class work portfolio tasks
- Fieldwork presentation posters
- Class tests

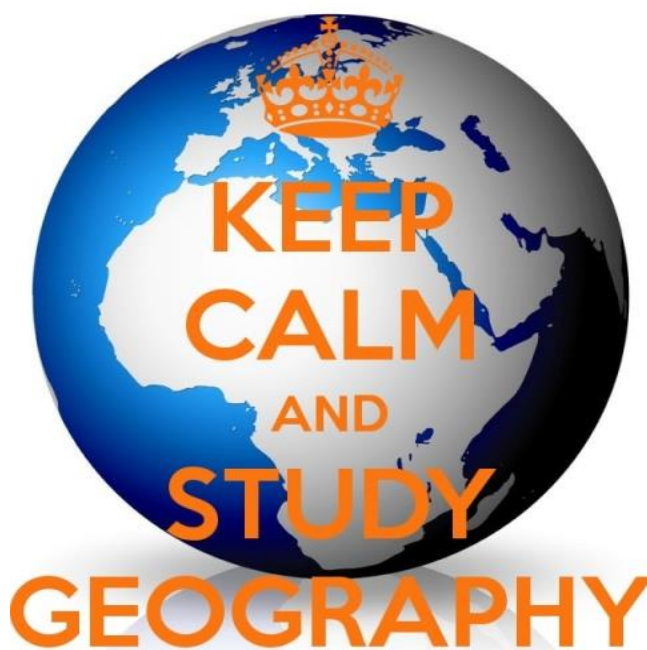
Assessed pieces of work will then be used to determine whether a young person will follow the National 4 or 5 programme in S4

In order to gain an award at **National 4**, there are likely to be internal assessments on each of the three units covering skills and knowledge. There will also be an added value assignment.

To gain an award at **National 5**, there is likely to be internal assessments on each of the three units, plus an externally assessed assignment and an external examination.

Homework requirements

You will be expected to complete homework tasks on a regular basis as issued by your class teacher. Homework tasks will often be based on examination style questions to enhance and reinforce the material covered in class. This will help develop and guide a pupil in applying their knowledge and ensure they are fully prepared to achieve their full potential in Geography.



History

“Unless we learn from history, we are destined to repeat it”...**Alex Haley**

Why study History?

Studying History provides you with the unique opportunity to investigate past societies in order to gain a clearer understanding of the modern world. The focus on analytical thinking, research and communication skills prepares our pupils for university courses, regardless of whether they continue with the subject beyond Lenzie Academy.

Those that do gain a university degree in History often go into jobs that allow them pursue their passion for the subject. History graduates also typically find employment in industries that benefit from the skillset that they develop, including; accountancy, banking, journalism, law, marketing and politics (Association of Graduate Careers Advisory Service).

What do you study?

In S3 we cover level 4 Experiences and Outcomes and include aspects of the National 4/5 courses as appropriate. In S4 History is offered at National 4 and National 5 level. The following topics are covered over the 2 years.

Historical Study: Scottish

The Era of Great War, 1910-1928

This unit focuses on the unprecedented impact of the First World War on Scotland. There is particular emphasis on the traumatic experiences of Scottish soldiers in the trenches and the transformation of everyday life in Scotland that resulted.



Historical Study: British

The Making of Modern Britain, 1880-1951

This unit explores the problem of poverty in Britain, looking at how and why governments moved from a system that punished those in need, through the Poor House, towards the introduction of the Welfare State which sought to help them.



Historical Study: European and World

Hitler and Nazi Germany 1919 - 1939

This unit follows the path of Germany's descent into dictatorship. It begins with their emergence from the First World War as newly a democratic country with a promising future and explains how by 1939 they had fallen into the powerful grip of Adolf Hitler and the Nazi Party.



How do pupils get their grades?

In S3 we use a variety of assessment methods to assess progress

- Class work
- Source work
- Class tests
- Research project

This is then used to ascertain whether a young person will follow a N4 or N5 programme in S4.

In S4 assessment arrangements differ depending on the level.

National 4

- Internal assessments at the end of each unit.
- An added value unit that pupils will select and research from one of the three units.

National 5

- Class assessments at the end of each unit.
- An assignment that pupils will select and research from one of the three units.
- An external examination.

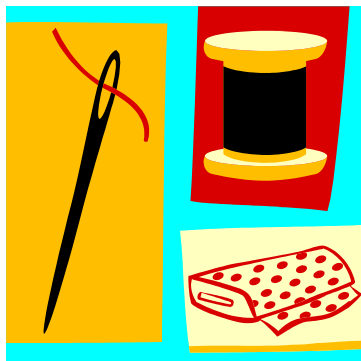
Homework requirements

In order to complete the course, it will be necessary for pupils to complete homework on a weekly basis.

HISTORY WANTS YOU!



HFT: Fashion and Textile Technology



Why study Fashion and Textile Technology?

If you are creative and have an interest in fashion, Fashion and Textile could be the course for you. The course will develop a wide range of practical textile sewing skills.

Throughout the course, pupils will create textile items to suit a variety of different situations. Pupils will learn how to organise their time to plan, make and evaluate textile and fashion items.

The skills covered will develop an understanding of textile characteristics, properties and their use in different fashion and textile items through:

- Practical sewing skills
- Safe use of equipment
- Factors which affect fashion choice
- Planning and manufacturing fashion textile items
- Evaluating fashion items



What do you study?

Pupils will follow a course which is made up of the following units:

- Textile technologies – set up and use specialist equipment to manufacture a fashion item.
- Item development – consider suitable fabrics and the properties they have that suit a fashion design. Pupils then manufacture and evaluate the item.
- Fashion choices – factors affecting fashion choice of both the individual and society as a whole.



How do pupils get their grades?

In S3, progress is assessed to determine progression to a National 4 or National 5 programme of study in S4.

At National 4 there is also an added value unit which will also be internally assessed by means of an assignment.

At National 5 pupils will complete a practical assessment activity assignment task and a written exam paper during the SQA exams.

National 5 awards are graded A-D.

Homework requirements

Pupils will be issued with homework which will reinforce the learning which has taken place in class.

- Homework may take the form of questions related to the unit being studied.
- Planning for practical tasks
- Evaluating Fashion items
- Practical skills

HFT: Health and Food Technology

Why Study Health and Food Technology?

The course focuses on health and the nutritional properties of food as well as safe and hygienic practices in food preparation. It develops understanding of the importance of a balanced diet and healthy lifestyle. It also develops the knowledge and skills required to become an informed consumer.

The course allows learners to develop and apply practical and technological skills to make informed food, lifestyle and consumer choices which will have a positive effect on their own health and that of others.

The course will appeal to learners who have an interest in health, food and lifestyle and enjoy learning about health through preparing and cooking food.

What do you study?

The course consists of 3 units:

- Food for Health: practical skills and knowledge in food preparation techniques and safe, hygienic practices.
- Food product development: functional properties of foods and its uses, designing, making and evaluating food products to meet specified needs.
- Lifestyle and consumer choices: factors affecting food, lifestyle and wider consumer choices.



How do pupils get their grades?

In S3, progress is assessed to determine progression to a National 4 / National 5 programme of study in S4.

At National 4 there is also an added value unit which will also be internally assessed by means of an assignment.

At National 5 pupils will complete an assignment assessed by SQA and are also required to sit an external exam question paper set by the SQA.

National 5 awards are graded A-D.



Homework requirements

Pupils will be issued with homework which will reinforce the learning which has taken place in class.

- Homework may take the form of questions related to the unit being studied
- Revision for class assessments
- Planning for practical tasks
- Evaluating food products
- Practical skills

HFT: Hospitality – Practical Cookery



Why study Hospitality?

The Scottish catering and hospitality industries are large, vibrant and growing, collectively employing a large proportion of the nation's workforce. Employers throughout Scotland have been looking for skilled people capable of further professional development and this qualification in PRACTICAL COOKERY is exactly what they are looking for.

The course develops practical skills and a knowledge and understanding of ingredients that will allow young people to progress to careers in the professional hospitality industry.

The course is designed for those who are interested in foods and cooking and who enjoy being creative with food.

Hospitality will develop a range of skills which are relevant to everyday life as well as in the world of work:

- Cookery skills and food preparation techniques.
- Plan and produce meals.
- Present food appropriately.
- Work safely and hygienically.
- Evaluate dishes produced.
- Understand the impact of choice of ingredients on health and wellbeing.



What do you study?

Hospitality course consists of:

- Cookery skills, processes and techniques.
- Understanding and using ingredients.
- Organisational skills for cooking.

The emphasis throughout the course will be on practical skills and their development through experiential learning and supported by related theory. The course uses real-life hospitality contexts which makes it relevant to the world of work.

How do pupils get their grades?

The learner will be assessed by a PRACTICAL ACTIVITY, drawing on the knowledge, understanding and skills developed across the course. The activity will require learners to plan, prepare and cook a meal for a set number of people within a given timescale and present it appropriately.

At National 4 learners will complete an Added Value practical assessment.

At National 5 learners will sit an exam question paper set by SQA.
National 5 awards will be graded A-D.

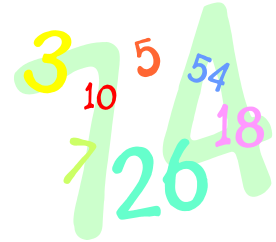


Homework requirements

It is important for learners to practice skills and knowledge at home to reinforce the learning which has taken place in class. Learners will be required to show an ability to carry out food preparation techniques and cookery processes safely and hygienically.

Homework activities would involve practical and written activities related to food preparation, choice of ingredients and their impact on health and wellbeing. Following recipes and planning dishes and meals to given timescales would be a typical homework task.

Mathematics



Why study Mathematics?

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

The Mathematics Course allows learners to acquire and develop the attributes and capabilities of the four capacities. For example: success in mathematical learning and activity leads to increased confidence as an individual; being able to think logically helps towards being a responsible citizen; and being able to understand, use and communicate mathematical ideas will help in becoming an effective contributor.

What do you study?

All pupils will continue their study of Mathematics in S3. Courses are based on the experiences and outcomes of curriculum for excellence at 2nd, 3rd and 4th levels and lay the foundation for further study in S4.

Mathematics courses are divided into three broad areas of study:

- 1) Number, Money and Measure include working with whole numbers, decimals, fractions and percentages. We study negative numbers, multiples, factors, powers and roots. This section includes skills in personal finance, managing time and measure length, area and volume. The relationship between speed, distance and time is explored. We cover a variety of algebra skills including solving equations, working with expressions and using formulae.
- 2) Shape, Position and Movement covers the properties of 2D and 3D shapes, Pythagoras and Trigonometry, co-ordinates, scale drawings and navigation.
- 3) Information Handling includes collecting, interpreting and displaying data, analysing data and drawing conclusions and understanding probability.

The S4 Mathematics courses will build upon the experiences and outcomes of S1-S3 and will be offered at the following levels:

National 3 Lifeskills Mathematics

This is a suitable course for learners who have experienced breadth and depth across second level and some aspects of third level Mathematics experiences and outcomes. This would be suitable for pupils who would like to progress to National 4 Lifeskills or the Personal Finance course in S5/6.

The course includes three mandatory units of work:

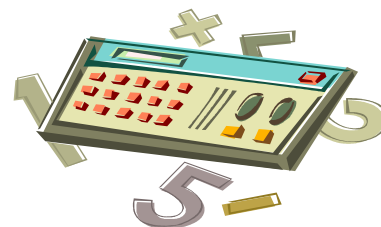
- Numeracy
- Shape, space and Measures
- Manage Money and Data

National 4 Mathematics

This is a suitable course for learners who have experienced breadth and depth across third level mathematics experiences and outcomes and would like to progress to National 5 in S5/6.

The course includes four mandatory units of work

- Numeracy
- Expressions and Formulae
- Relationships
- Mathematics: Added Value Unit



National 5 Mathematics

This is a suitable course for learners who have experienced breadth and depth across fourth level Mathematics experiences and outcomes. This would be suitable for pupils who would like to progress to Higher in S5/6.

The course includes three mandatory units of work as well as the course assessment.

- Applications
- Expressions and Formulae
- Relationships

How do pupils get their grades?

S3 - In November and February all pupils will be given an assessment which will cover the majority of the work that has been taught in S3. The assessment will consist of two papers, a non calculator and a calculator paper. The results of these assessments will help to determine which course would be most appropriate for the pupil to follow in S4.



S4 - National 3 Mathematics

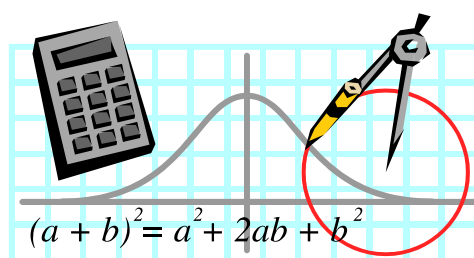
To achieve this award the learners must pass all of the required units which are assessed internally as a pass/fail. The units are assessed on a unit by unit basis.

National 4 Mathematics

To achieve this award the learners must pass all of the required units which are assessed internally as pass/fail. The units are assessed on a unit-by-unit basis.

National 5 Mathematics

To gain the award of the Course, the learner must the Course assessment. The Course assessment takes the form of a final exam at the end of the course which consists of a non calculator and calculator paper.



Homework Requirements.

Homework is set after each class lesson, duration of approximately 25 minutes. The homework will be marked by the pupil from the answers at the end of the book as part of the homework and checked regularly by the class teacher.

Regular, check-up exercises will be issued; pupils will usually be given about a week to complete this work. This work will be marked by the class teacher using the SQA marking procedures. These marks will be recorded by the class teacher. These exercises will be issued when the class teacher feels it is appropriate for the class. This will usually be at the end of a topic.

Repeated failure (on two occasions) to complete homework will result in LA+ sanctions being implemented and a punishment exercise being issued.

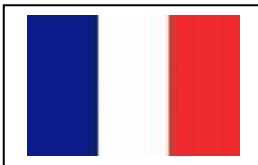
Modern Languages

Why Study French or Spanish?

More and more jobs require the ability to speak foreign languages. This is a skill which is highly prized in a world where companies cannot predict which countries they will be dealing with in the future. Languages are a bonus in almost any job.

Employers are interested in a broad range of skills, especially communication skills such as the ability to understand and report on information, to contribute appropriately to discussions, to express facts in speech and writing. These are just the kind of skills you learn in language courses.

The list of jobs which require these communication skills is endless: television, the police force, the law, journalism, social work, the civil service, the theatre, medicine, management, human resources.....



French is....

- F**un
- R**ewarding
- E**njoyable
- N**ice
- C**hic
- H**andy



Spanish is ...

- S**timulating
- P**roductive
- A**bsorbing
- N**ice
- I**nteresting
- S**uperb
- H**andy

In S3 Pupils can study French and Spanish and they may choose more than one language.

COURSE CONTENT –What will I learn?

S3 continues to develop the skills required from pupils if they change a language in the Senior Phase.

National 4/5/H Modern Languages Courses develop literacy skills by giving learners opportunities to read, listen, talk and write in a modern language and to reflect on how this relates to English. These Courses enable learners to understand and use a modern language, to apply their knowledge of a modern language, and to develop planning, research and language skills. Learners encounter a wide range of different types of texts in different media. Building on the four capacities, these courses enable learners to communicate, be critical thinkers, develop cultural awareness, and be creative.

The following modern languages are available at National 4/5/H:

- French
- Spanish

How do pupils get their grades?

At National 4 level, pupils must pass an Added Value Unit and 2 additional Unit Assessments in order to attain the award. There is no external exam.

At National 5 level, pupils must do a Writing Assignment and a final Talking exam, in line with SQA guidelines, which is worth 37.5% of the final grade. There is an external exam in May of S4.

At Higher level, pupils must do a Writing Assignment and a final Talking exam, in line with SQA guidelines, which is worth 37.5% of the final grade. There is an external exam in May of S5.

Homework Requirements

Regular homework will be issued and it is very important that all deadlines are met: particularly where course assessments are involved. If homework is persistently late, or not submitted, then that could result in the outcome for that particular unit being judged as a fail.

Homework can take the following forms:

- Preparation for a speaking or writing task
- Learning vocabulary
- Preparation for a class assessment
- Exam revision and preparation
- Research on a class topic
- Finish off class work
- Reading or grammar work



*The Eiffel Tower
Paris, France*



*The Sagrada Familia
Barcelona, Spain*

Modern Studies

Why study Modern Studies?

Modern Studies is about contemporary society and the place of the individual within society, from local, national and international perspectives. This subject is multidisciplinary as it involves looking at social, economic and political issues.

The Modern Studies Excellence Group has reported that,

“...to maintain a stable, inclusive society it is very important that young people in Scotland have the opportunity to understand the value of democracy and, in a fast changing and competitive world, young people must be given the chance to reflect on the challenges facing society today if they are to be part of the solution for tomorrow. In Modern Studies, learners develop relevant knowledge and understanding and discrete and distinct higher order skills that allow them to respond effectively to these challenges both currently and in the future.”

Therefore, Modern Studies enables young people to become responsible citizens and have a broad understanding of how to be an effective contributor in a democratic society, as well as the skills to be able to be life-long learners. Modern Studies is valued in a wide range of occupations including: law; journalism; management; marketing; police; teaching; social care; economics; local government; administration; health care; banking; broadcasting and media; fundraising and charity work; clerical work; youth and community work and trade union work.

What do you study?

In S3 the focus is on developing the knowledge and skills needed to cope with Senior Phase requirements. There is a blended learning approach which incorporates, as appropriate, national qualification content.



Unit 1: Democracy in Scotland and the United Kingdom



This unit will cover topics such as representation and participation in a democratic society; the functions of the political systems of the United Kingdom and Scotland and the influence of the media and pressure groups.



Unit 2: Social Issues in the United Kingdom – Crime and the Law

This unit will cover aspects of the Scottish Legal System, including the causes and consequences of crime and different types of crime and punishments.



Unit 3: International Issues – World Powers



This unit will involve the study of a world power, the USA. Topics covered include the political system, social and economic issues and government responses to these issues, and US influence abroad.



Skills

By using sources of information pupils will develop the following skills:

- ✓ the ability to identify and explain exaggeration and bias
- ✓ the ability to reach and justify a decision
- ✓ the ability to reach and justify a conclusion
- ✓ the ability to research and present information in a logical way



These skills are all transferrable to the Senior Phase and beyond.

How do pupils get their grades?

Assessment will take place throughout the course and there will be more formal assessments at the end of each topic to ensure that there is progress in terms of breadth, challenge and application.

In order to gain an award at National 4, there will be internal assessments on each of the three units covering skills and knowledge. There will also be an added value assignment.



To gain an award at National 5, there will be class assessments on each of the three units, plus an externally assessed assignment and an external examination.



Beyond National 5 Modern Studies can be studied at Higher and Advanced Higher level.

Homework requirements

You will be expected to complete homework tasks on a regular basis as issued by your class teacher, as well as keeping up to date with world events through the use of different types of media.

Homework will enhance and reinforce class learning and will help to contribute to your overall success in Modern Studies.



#Modern Studies is everywhere!



Performing Arts: Music



Why study Music?

Music is a wonderfully creative subject where pupils get to perform, create and appreciate music in many different styles. Pupils follow a personalised course in relation to the performing element and more challenging repertoire is always available! Studying music in S3 allows pupils to further develop their musical skills as performers, composers and gives them a wide background and understanding of the music of today and its development.

Possible careers in Music:

Radio/TV	DJ, Programme director, Musical director
Recording Industry	Producer, Sound engineer, Webmaster, Marketing rep, A & R Co-ordinator
Instrument Work	Orchestral musician, Musical instrument repair, builder, designer
Music Education	Teacher, Instrumental teacher, Lecturer, Librarian
Music Health	Music therapist, Speech therapist, Youth & Community Worker
Music Business	Manager, Session musician, Songwriter, Lyricist, Retail, Law, Critic, Journalism
Music Industry PR	Public Relations, Publicist, Advertising, Audio Technician

What do you study?

In S3 pupils will follow an exciting, differentiated and practical music course which will develop the skills required to undertake National 4/National 5 in S4. Pupils will be challenged to develop and learn new skills in performing, composing and understanding music.

Performing Skills Unit

Pupils will develop their skills on two instruments or one instrument and voice. Pupils work individually on this and are encouraged to work at their own pace. Differentiated material is available for ALL pupils.

Understanding Music Unit

Pupils will experience a very varied course which looks at Musical Styles and the Production of Sound in S3. Concepts such as; Jazz, Ragtime, Rock and Classical will be studied and pupils can follow this up at home using the recommended websites.

Composing Skills

Pupils will compose their own melodies and chords with support from the teacher – basic structures and themes are discussed to help pupils start to create their own music and be confident in notating this.

How do pupils get their grades?

All pupils are issued with a Timeline at the start of S3 indicating each month, what the topics of work are to help pupils prepare for assessments. The National Courses in Music have the Performing Element as the largest proportion of the final grade in S4.

In S3:

- **Performing Skills** – pupils will take part in an S3 Festival in November where they choose to perform on Instrument 1 or Instrument 2. A second assessment will take place in February/March time to check on progress ahead of the S3 Exam.
- **Understanding Music** – pupils will complete a short test after each topic to ensure they are on track and this will also help prepare them for their S3 Exam.
- **Composing Skills** – this is folio work and is continually assessed after pupils complete a section of their piece.

In S4 for N5, pupils will complete a Performance Exam with an external examiner and this is worth 50%, an external Question Paper set by the SQA which is worth 35% and a Composing Assignment which is worth 15% of the final grade.

Homework requirements



- Regular practice of both instruments (or 1 instrument and voice).
- Regular study of musical concepts at home – ***a homework booklet is issued to pupils asking them to complete one exercise every 3/4 weeks.***
- Listening to and appreciating music both in class and out of class.
- Involvement in the extra-curricular work and concerts/shows of the department is encouraged.



Performing Arts: Music Technology

Why study Music Technology?

Music Technology offers pupils “hands-on” experience to learn about digital audio recording, editing, mixing and recording musicians/bands. Pupils will develop their skills in the area of Music Technology using industry standard recording equipment, learn about microphone placement and develop their ability to work with digital audio in various set-ups; music recordings, radio shows and Foley/sound design for film/animation and gaming.

Possible careers in Music Technology:

Radio/TV	DJ, Programme director, Musical director, Radio producer Broadcast engineer, Audio Technician, Radio assistant, Film Composer
Recording Industry	Producer, Sound engineer, Webmaster, Marketing rep, A & R Co-ordinator
IT	Computer programmer, Audio recorder for animation, Computer Gaming Music, Composer for Digital Media, IT technician
Music Education	Teacher, Lecturer in Music Technology
Music Health	Music therapist, Speech therapist, Youth & Community Worker
Music Business	Manager, Session musician, Songwriter, Lyricist, Retail, Law, Critic, Journalism

What do you study?

In S3 pupils will follow a brand new Music Technology course working with state of the art equipment. Pupils will be challenged to learn new skills in Music Technology and work successfully both individually and as part of a team. All of these will prepare the pupils for National 4/5 Music Technology in S4.

Music Technology Skills Unit

Pupils will experience how to set-up microphones, record using the software Garageband / Pro-Tools, edit and mix digital audio to create the finished project.

Music Technology in Context Unit

Pupils will spend the majority of the course using the iMac computers to capture and manipulate audio for film/animation and gaming, create a radio broadcast incorporating sound effects/interviews/music medleys and the option of recording live musicians.

Understanding 20th & 21st Century Music Unit

Experiencing and learning about different genres and styles of music from the 20th and 21st Century – being able to identify styles of music and effects/processes by listening to them.

How do pupils get their grades?

All pupils are issued with a Timeline at the start of S3 indicating each month, what the topics of work are to help pupils prepare for assessments. The National Courses in Music Technology are primarily based on the practical application of skills.

In S3:

- **Music Technology Skills Unit**

-

Pupils will be assessed throughout the course on your project work and this unit specifically looks at microphone placement, appropriate audio input devices, setting the appropriate gain levels for recording etc.

- **Music Technology in Context Unit**

-

Pupils will be assessed in the range of skills they have used to capture and record audio and how they have then mixed/edited their recordings in relation to real world projects they have completed.

- **Understanding 20th & 21st Century Music Unit**

-

Pupils will complete a listening aspect of the course as they start to learn about “Understanding Music in the 20th & 21st Century”.

In S4 for N5, pupils will complete a Project Portfolio which is worth 70% and an external Question Paper set by the SQA which is worth 30% of the final grade.

Homework requirements



- Regular study of musical concepts at home – ***a homework booklet is issued to pupils asking them to complete one exercise every 3/4 weeks.***
- Listening to and appreciating music both in class and out of class.
- Where possible, gaining extra time on the iMac computers to become familiar with the software used.
- Involvement in the extra-curricular work and concerts/shows of the department is encouraged.



Personal and Social Education



Pupils will receive one period of Personal and Social Education in both third and fourth year. Having completed two years in the junior school, third and fourth year for most pupils are the middle years of their school career at Lenzie Academy. This is a time when it is hoped that they will continue the growing up process in a responsible and sensible way, developing the necessary skills in order to achieve all they can at school. In addition, at this time pupils should be steadily developing common sense and maturity in become responsible and confident members of society.

What do you Study?

In third year, you will study a number of units that are designed to make you more 'effective' as a young person. You, hopefully, will get to know yourself better as a learner, discover your strengths and weaknesses and identify how you can go about making improvements. Topics such as substance misuse and health are also covered to ensure that pupils can make informed and appropriate choices with regards to their physical well being. Relevant social and emotional issues are also investigated to help promote confidence and responsible actions.

During S3, all pupils receive regular personal support lessons and one to one interviews to help them build an accurate, holistic account of their progress and achievements. By the end of S3, all young people will have produced a profile marking the end of the Broad General Phase of Curriculum for Excellence. The purpose of the profile is to help young people develop self-esteem and confidence through recognising their own progress and achievements. This profile will be produced by all S3 pupils during PSE classes to give a positive statement of their latest and best achievements both within and out with the school environment.

Fourth year students also cover health and social topics relevant to their age group. Several lessons are given over to ensuring pupils are well prepared for examinations and that they can cope with the stress that may come with sitting assessments and exams. By fourth year, students are thinking more specifically about their future careers. A series of career lessons are completed in S4 to help ensure that pupils discuss and plan their future and can make appropriate choices for S5 and if appropriate, leaving school. There are practical lessons to introduce them to the careers based websites 'PlanITplus' and 'My World of Work'. The Careers Service offers advice to S4 pupils and the opportunity to have a careers interview.



In addition to these lessons, we aim to give third and fourth year pupils the opportunity to hear from external agencies. Examples of this might include talks from our community police officer, health professionals and local career based talks.

How do pupils get their marks and grades?

There is no formal assessment in PSE but pupils' notes and jotters are regularly checked by the teacher.



PE: Physical Education

Why Study Physical Education?

Physical Education aims to provide learners with the experience that will enable them to develop the knowledge, motivation and competence to live a physically active life, but also the ability to enhance performance through evaluation and analysis. Studying a blend of Level 4 and National 4/5 Physical Education courses will allow learners the opportunity to build physical competencies, improve aspects of fitness and maximise active engagement and enjoyment in physical activities.

The courses will provide opportunities for learners to demonstrate initiative, decision making and problem solving. Learners will work both independently and collaboratively within teams to develop thinking and interpersonal skills. This makes Physical Education an ideal platform for developing confidence, resilience and responsibility.

National 4 Physical Education challenges our learners to develop and demonstrate knowledge of the principles and factors underpinning and impacting on performance. Our learners will be able to describe factors which impact positively and negatively on performance, build a capacity to enhance performance and reflect, monitor and influence individual performance.

National 5 Physical Education will investigate and enhance knowledge of the principles and factors impacting on performance. Learners will be required to explain factors which impact on performance, build capacity to enhance performance and be able to examine and analyse performance to influence individual performance.



What Do You Study?

The skills developed in S3 are important in laying down the foundation for success in the Senior Phase. The National 4/5 course is divided in to three units -

Performance Skills

The aim of this Unit is to develop the learners' ability to perform in physical activities by developing a range of basic performance skills. Areas of focus-

- Select and applying a range of basic performance skills
- Demonstrate basic body and spatial awareness with some identifiable patterns and rhythms
- Display some basic control and fluency
- Demonstrate basic techniques and composition or tactics
- Make appropriate decisions and basic adaptations in response to variables
- Demonstrate some consistency of performing skills in routines

Factors Impacting on Performance

The aim of this Unit is to develop learners' knowledge of the factors that impact on performance in physical activities. Key areas are:

- Methods used to identify factors impacting on performance
- Impact of factors on performance
- Identify factors that affect performance and describe an approach to improve performance
- Identify strengths and weaknesses in performance
- Prepare and implement, with some support, a simple action plan using a variety of approaches to develop performance
- Select and apply approaches to impact positively on performance
- Monitor and record performance using appropriate techniques
- Seek feedback from others and respond appropriately
- Evaluate the effectiveness of action plans in supporting performance development
- Reflect on performance progress based on all information gathered
- Identify a future development need

Added Value/Course Assessment

At National 4 learners will prepare for, and carry out, a performance in a physical activity. This will involve preparing mentally, emotionally, socially and physically for the performance, selecting and applying performance skills; following rules and guidelines; carrying out roles and responsibilities and showing appropriate etiquette.

At National 5 pupils will complete a performance focussing on challenge and application and give pupils the opportunity to demonstrate a comprehensive range of movement and performance skills. Pupils will also complete an individual portfolio that demonstrates an understanding of the factors that impact on performance unit.



How Do Pupils Get Their Grades?

In S3 pupils are assessed to ascertain progress looking towards whether they will follow a N4 or N5 programme in S4. Pupils will be assessed during each physical activity and complete a series of theory check tests.

In S4 –

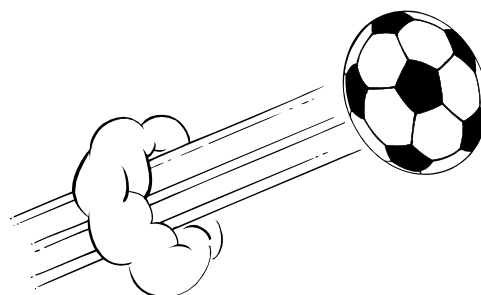
National 4 pupils must pass both Course Units and pass an Added Value Unit, which comprises of a one off performance.

National 5 pupils will be graded based on their Course Award – 2X one off performance (25%+ 25%) and an individual Portfolio (50%)

Homework Requirements?

The regular setting of homework is an essential component of the Physical Education Department's programme of work. Homework will take a variety of forms-

- Completion of weekly homework tasks
- Private Reading/Research
- Revision/preparation for unit assessments
- Revision/preparation for course assessment

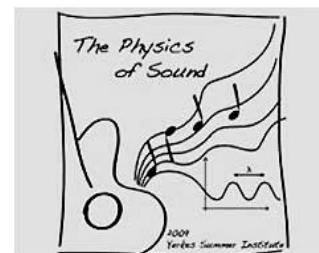


Physics

Why Study Physics?

The Limits are Endless!

If you are fascinated by the world around you and would like to understand more about it, or if you are thinking about a career in technology, medicine, electronics, astronomy or engineering, then Physics is for you. Physics helps give us an understanding of every aspect of our lives from the tiniest particles of matter to the great clusters of galaxies.



*Physics opens the doors to an amazing world for both **boys and girls**:-*

- designing the communication systems of the future
- helping diagnose and treat cancer and other illnesses
- sound and video engineering
- dating archaeological remains
- solving crimes
- creating tomorrow's cars, ships and planes
- explaining how objects move in space
- finding new sources of energy and many, many more!

Employers rate Physics qualifications very highly, so by studying Physics you will have access to a surprising variety of jobs.

What do you study?

The course is divided into a number of topics including:

- **Forces and gravity** – Newton's laws, gravitational acceleration
- **Information from space** – telecommunications, satellites, speed calcul
- **The position of Earth in our universe** – the solar system, the galaxy, the universe
- **Waves** – electromagnetic radiation, sound, wave calculations, sight defects and correction, law of reflection, and parabolic reflectors
- **Nuclear radiation** – nuclear radiation: sources and effects
- **Motion** – distance, time and average speed, speed-time graphs, average speed, instantaneous speed, the relationship between speed and acceleration
- **Energy conservation** – energy transformations, potential energy, kinetic energy, mechanical energy
- **Heat energy and gas laws** – specific heat capacity, heat loss, specific latent heat, kinetic model, gas laws
- **Electricity and applications** – charge, practical circuits, Ohm's law, power, magnets, generation of electricity



nuclear physics

S3 course work covers Level 4 outcomes including aspects of National 4 / National 5 courses as appropriate. Assessments in S3 are used to ascertain progress.

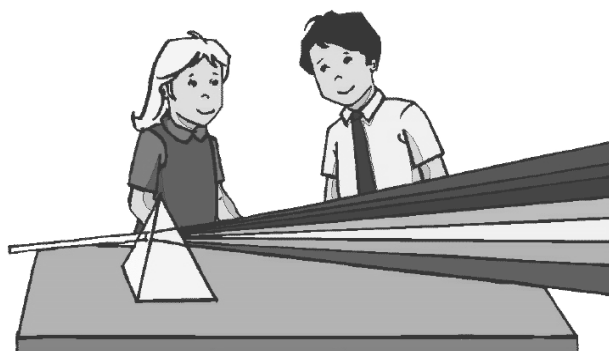
How do pupils get their grades?

S3 - In February all pupils will be given an assessment which will cover the majority of the work that has been taught in S3. The result of this assessment including class assessments throughout the year will help to determine which course would be most appropriate for the pupil to follow in S4.

S4 - National 4 pupils are required to complete three individual units and an Added Value Unit which will be internally assessed by means of a physics investigation undertaken in class. There is no external SQA exam for National 4.

S4 - National 5 students are required to sit an external written exam, set by the SQA. In addition pupils complete an assignment in school which is worth 20% of their final grade.

National 5 awards are graded A-D.



Homework Requirements

It is anticipated that pupils will be issued with regular homework covering the work undertaken by the class that week. This could include written exercises, completion of classwork, revision of notes, studying for tests and doing on-line revision.



Religious Moral and Philosophical Studies



Why Study Religious Moral and Philosophical Studies?



“There is nothing more practical than sound thinking. No matter what your circumstance or goals, no matter where you are, or what problems you face, you are better off if your thinking is skilled.”

Dr Elder and Dr Paul

Through the study of RMPS, pupils develop their critical thinking skills; learning how to evaluate and analyse information, beliefs, and opinions. They also get the opportunity to develop their own understanding of their personal beliefs or opinions and, from that, their place in the world. Study in S3 contains Level 4 work and experiences progressing to National 4 / National 5 in S4 and provides a stepping stone into the study of RMPS at Higher level and/or employment. Also, the course content and skills learned through RMPS complements studies in other areas: such as English, History, Modern Studies, Geography, Chemistry, Physics and Biology.

Major employers who look for pupils to have a qualification in RMPS:

- Scottish Ambulance Service
- Nursing and Health Boards
- Police Force
- Civil Service
- Armed Forces
- Social Work Department

What do pupils study?

Unit 1: World Religion. Pupils examine the beliefs, values, practices and traditions of Islam, the fastest growing world religion. They also consider the impact of Islam on Scottish culture and identity, as well as how it impacts on people across the world.



Unit 2: Morality and Belief. Pupils study the contemporary moral issues surrounding war and peace. This includes considering and examining responses to this issue from both religious and non-religious perspectives; like ‘Just War’ theories, laws on war and UN treaties, and charities dealing with victims of war.



Unit 3: Religious and Philosophical Questions. Pupils explore the ‘problem of evil and suffering’ when it comes to believing in God, which involves examining responses to this issue from religion, science and philosophy. For example, pupils look at modern cases of evil (war, famine, and natural disasters), and how this challenges the beliefs about God according to the Jewish, Muslim and Christian faith; along with scientific and philosophical arguments that both support and challenge the belief in God.



Added Value RMPS Assignment. Pupils investigate and report on a topic **of their choice**, drawn from any religious, moral or philosophical issue. This can be a more in depth focus on an issue dealt with in class, or something different that the pupil has a particular interest in. It builds on pupil's research skills, allows them to draw together their understanding of various aspects across the course as a whole and even other subject areas where there is a relevant link, and report in a way that suits them – such as give a talk, create a PowerPoint presentation, make an informative poster or write an essay.

How do pupils get awarded for the course?



To gain an overall award at National 4, pupils must achieve a pass in all the assessments of each unit - there is no external exam. For National 5, pupils need to complete the assignment and sit an external exam at the end of 4th year which contributes to their overall pass, graded A-D,



Homework requirements

It will be necessary for pupils to complete homework on a weekly basis. This may include: reading, research tasks, preparing oral responses or visual presentations, or completing written activities. Pupils also need regular revision of areas covered in class, and time to both prepare for, and complete work related to the added value unit.



Support for Learning: Learning Across the Curriculum

What is it and who can take it?

This course of three periods per week replaces a National subject and is available to pupils who have Additional Support Needs. Pupils who choose this course are expected, with the support of the class teacher, to identify tasks from their other subjects to complete each period. There is access to ICT and the number of pupils is capped to allow an appropriate level of direct input from the teacher to support completion of tasks. Participants are expected to be committed to making efficient use of their time in the Learning Across the Curriculum class in order to gain maximum benefit from the course.



In addition to the advantage of having additional time within the curriculum to complete homework and revision for subject classes, participants are given the opportunity to consolidate/develop their capabilities in the following skills:

- Literacy
- Numeracy
- Social Interaction
- Communication
- Organisation
- Information and Communication Technology
- Problem Solving
- Concentration

Support for Learning: Prince's Trust XL Cours



Prince's Trust

What is it and who can take it?

This course is an activities based personal development programme which aims to improve participants' skills for life and work. The programme is designed to be flexible to allow participants to form a sense of ownership over their own work and development. Project work will be undertaken in the following five activity areas:

- Personal/Social Development
- Citizenship
- Enterprise
- Lifeskills
- Preparation for the World of Work

Through participating in projects and gathering evidence of their individual contribution, participants can work towards a certificate in Person Development and Employability at SCQF Level 3/4. In addition to working towards the SQA accredited award, participants will:

- discover a new way of learning
- enjoy working as part of a small team
- boost their aspiration, motivation and self-esteem
- improve confidence and communication
- develop enterprise and employability skills

This course is available to all pupils but entry is by informal interview.



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