

# 2022

## CHRYSTON HIGH SCHOOL





In S3, all students took part in the very important process of choosing their subjects for National Qualifications. Students in S4/5 have now reached another milestone in their school career when choices again must be made with regard to subjects to be studied next session.

The purpose of this booklet is to provide you with information about the wide range of subjects available to you next session. In addition to this booklet, further information is available from many sources: subject teachers, Principal Teachers curriculum, Principal Teachers of Pupil Support, older students, parents and the school's Careers Advisor. Think carefully about your choice and take advantage of any advice you can get.

## NATIONAL QUALIFICATIONS

There are five different levels of courses available within the National Qualification framework.

**Advanced Higher**

**Higher**

**National 5**

**National 4**

**National 3**

A list of subjects and levels offered by each department can be found on page 4. Level 4 & 5 National Progression Awards and Free Standing Units may also continue to be offered next session in a range of subjects.

In addition to these qualifications there will be other, wider achievement courses available to all pupils. The aim of these is to provide opportunities to further develop skills in more specialised areas.

### Course Levels

The course work and associated homework at Higher is very demanding and, as a result, entry to Higher subjects requires a good pass at National 5 – see individual subjects for details.

For those students not gaining a National 5 award, courses **may** be offered at National 4 as well as Free Standing Units. While providing useful qualifications, successful completion of these courses in S5 may enable students to progress to the next level the following year.

**PROGRESSION ROUTES:** *within school***S4**

National 5



National 4



National 3

**S5**

Higher



National 5



National 4

**S6**

Advanced Higher

Higher

National 5

**PROGRESSION ROUTES** (*after school*)

Students gaining awards at Advanced Higher or Higher could progress to Higher Education, Further Education or employment.

Students gaining awards at National 4 and 5 could progress to Further Education, training or employment.

**ASSESSMENT**

Students should note that to gain a full course award, it is necessary to **pass all the internal assessments AND the external examination**. Any exceptions to this are explained in the individual subject sheets.

**Advanced Highers**

If a subject is not available in Chryston High School, an S6 student may elect to study that subject virtually at another school if it is available at a time which does not interfere with other subjects.

The next page summarises the different courses available in Chryston High School.



Department	PT Name	Subjects offered					
			AH	H	N5	N4	NPA
Art, Design and Technology	Mr P Davidson	Art & Design	✓	✓	✓	✓	
		Graphic Communication	✓	✓	✓		
		Design & Manufacture	✓	✓	✓		
English	Mrs E Dover Mrs J Doig	English		✓	✓		
Health and Wellbeing	Mr A Flanagan	Hospitality			✓	✓	
		Health & Food Tech		✓	✓		
		Bakery					✓
		Physical Education		✓	✓		
		Dance		✓	✓		
Sport & Fitness					✓		
Humanities	Mr R Hewitt Miss C McMullan	RMPS		✓	✓		
		Geography		✓	✓		
		History	✓	✓	✓		
		Modern Studies		✓	✓		
Travel & Tourism					✓		
ICT	Mrs L Taylor	Accounting & Finance		✓	✓		
		Administration		✓	✓	✓	
		Business Management	✓	✓	✓		
		Computing		✓	✓		
		Computer Games Dev					✓
		Business Administration					✓
Mathematics	Mrs K McKee	Mathematics	✓	✓	✓	✓	
Modern Languages	Mr R Kirk	German	✓	✓	✓		
		Spanish		✓	✓		
		Modern Languages for Life & Work					✓
Performing Arts	Miss F Lyon	Music	✓	✓	✓		
		Drama	✓	✓	✓		
		Music Technology		✓	✓		
Science	Mrs J Miller	Environmental Science			✓	✓	
		Engineering Science				✓	
		Physics	✓	✓	✓		
		Chemistry	✓	✓	✓		
		Human Biology		✓			
		Biology	✓		✓		
		Health Sector Science					✓
		Science & Health					✓



Below is an example of the NEW options form used in the senior school. To help pupils consider more choice in S5/6 all pupils have now been given free choice. Pupils should pick 5 subjects, rated 1-5 and pick a reserve denoted with an R.

**A sample option sheet is shown below**

WE ARE CHRYSTON HIGH SCHOOL SENIOR OPTIONS FORM 2021									
Name		Tutor Group			Leaving June 2021 (Please tick if leaving)		Date of Birth		
Department / Faculty	Subject	N4/S	H	AH	Department / Faculty	Subject	N4/S	H	AH
Mathematics	Mathematics				Sciences	Physics			
	Maths Apps					Chemistry			
English	English					Biological Sciences (Higher only)			
	Literacy					Health Sector (N4)			
ICT	Accounting & Finance					Engineering Science (N4)			
	Administration and IT					Politics			
	Business Management					Geography			
Health and Wellbeing	Computing Science					History			
	Computer Science					Modern Studies			
	Development Group award					Religious, Moral & Phil Studies			
	Physical Education				Music				
Modern Languages	Hospitality				Performing Arts	Drama			
	Practical Cake Craft					Art, Design and Technology	Graphic Communication		
	German					Design and Manufacture			
						AH & Design			

Although the school will endeavour to cater for as many students as possible, some combinations of option choices may not be available. All students will also study 1 PSE 1 P1. All students should pick 5 subjects based on current studies. Students can pick subjects from any curricular area - all subjects will be studied 6 times per week. The Subjects should be listed by rank. (1-5) All students should pick a reserve subject denoted R.

Parent signature \_\_\_\_\_ Pupil signature \_\_\_\_\_ PS Signature \_\_\_\_\_ Date \_\_\_\_\_

### CONSORTIUM ARRANGEMENTS

For any student who is keen to study a subject not offered in school we will liaise with other schools within the north locality in NLC to consider creative ways to allow access to coursework and resources. This will give all students across all schools in NLC a much better chance of participating in subjects which are entirely pertinent to each individual students chosen career path and hopefully help everyone achieve even further success.

### Chryston Leadership Academy - S6 ONLY

S6 pupils will be asked to pick 5 subjects in the first instance and then, after reviewing exam results will have the opportunity to swap one of their options for The Chryston Leadership Academy. This will have a range of opportunities to develop skills and experiences whilst gaining an SQA qualification in Leadership. These activities will be beneficial in helping our young people become more independent, confident and mature. The Chryston Leadership Academy will also make them more desirable to employers, colleges and universities whilst also helping contribute to the school and the wider Chryston community.

The Leadership Academy will involve 2 periods of personal study, 2 periods of Leadership and 2 periods of S6 Elective. Some of the elective opportunities are shown on the next page, these are subject to change depending on staffing and uptake. Some may not run but other opportunities may also become available.

- **School Captains**
- **House Captains**
- **Yearbook**
- **Work Experience**
- **Duke of Edinburgh**
- **Mental Health Ambassadors**
- **Mentors in Violence Prevention**
- **Befrienders**
- **Café Baristas**
- **Peer support**

## **ART, DESIGN AND TECHNOLOGY FACULTY**

### **ART and DESIGN : NATIONAL 4**

#### **What will I learn?**

This course will promote an understanding of the visual arts and design, practically, critically and historically. It will develop skills in practical investigation, handling of media, problem solving and evaluation. There will be a related critical/historical unit, which will be linked to both practical units. The National 4 Art and Design Course has been benchmarked against the Scottish Credit and Qualifications Framework (SCQF) at SCQF level 4. The Course has two mandatory Units and an Added Value Unit.

#### Expressive Unit

This is a fine art unit (drawing, painting, sculpture etc). Students research a chosen theme, develop ideas and produce a finished artwork. The final outcome is the Added Value unit. Students will be encouraged to experiment with different materials and to explore work in both two and three dimensions.

#### Design Unit

Students research and develop a design solution from a design brief using the design process; researching the brief, considering ideas, producing a solution, evaluating the work.

The final outcome to their brief is the Added Value unit.

#### Critical Studies Element

The written element to the course is now incorporated into the practical work. Pupils will use images of artists and designers work, to inform their own practice. They must be able to describe how artists' and designers' use materials, techniques and/or technology in their work.

#### **KEY SKILLS REQUIRED FOR SUCCESS: ADD FOR THIS.**

#### **How will I be assessed?**

Course content: 2 units assessed internally on a pass/fail basis



## ART and DESIGN : NATIONAL 5

### What will I learn?

The purpose of the Course is to provide a broad practical experience of art and design and related critical activity. The Course provides opportunities for learners to be inspired and creatively challenged as they explore how to visually represent and communicate their personal thoughts, ideas and feelings through their work. Learners will investigate the factors influencing artists and designer's work and practice and will use this understanding when developing and producing their creative expressive art and design work.

### Course content:

#### Expressive Activity

This Unit helps learners to develop their personal thoughts and ideas in visual form. In the Unit, learners will develop critical understanding of artists' working practices and the social and cultural influences affecting their work. They will select stimuli and produce analytical drawings and studies. They will develop and refine their expressive ideas and artwork, experimenting with and using a range of materials, techniques and/or technology in 2D and/or 3D formats.

#### Design Activity

Students research and develop a design solution from a design brief using the design process; researching the brief, considering ideas, producing a solution, evaluating the work. In the Unit, learners will develop critical understanding of designers' working practices and the main social and cultural influences affecting their work. They will experiment with, develop and refine their design ideas, using a range of materials, techniques and/or technology in 2D and/or 3D formats.

#### Critical Studies Element

Through annotations and a final written exam, the written element to the course is now incorporated into the practical work.

### How will I be assessed?

Course assessment structure

Component 1 — portfolio 160 marks  
marks

Component 2 — question paper 40

**Total marks 200 marks**



## ART and DESIGN : HIGHER

### What will I learn?

The skills that learners gain by successfully completing the Course will be valuable for learning, life and work. Learners will investigate and analyse how artists and designers have used materials, techniques and/or technology in their work. Learners will then experiment, using art and design materials, techniques and/or technology to develop their ideas for creative and expressive impact.

They will develop creativity and complex problem solving skills when experimenting with materials, techniques and/or technology and experiment with different ways to realise their creative ideas. Learners will also develop their critical thinking and reflective skills when reviewing and refining their work.

The aims of the Course are to enable learners to:

- ◆ communicate personal thoughts, feelings and ideas through the creative use of art and design materials, techniques and/or technology
- ◆ analyse a range of art and design practice and critically reflect on the impact of external factors on artists and designers and their work
- ◆ plan, develop, produce and present creative art and design work
- ◆ develop personal creativity, using problem solving, critical thinking and reflective practice skills

### Course content:

3 units – Expressive, Design and Art & Design Studies with a final written exam.

### Expressive Activity

This is a fine art unit (drawing, painting, sculpture etc). Students research a chosen theme, develop ideas and produce a finished artwork. Students will be encouraged to experiment with different materials and to explore work in two and three dimensions.

### Design Activity

Students research and develop a design solution from a design brief using the design process; researching the brief, considering ideas, producing a solution, evaluating the work.

### Art and Design Studies Unit

Two studies are undertaken, one linked to the expressive unit and one to the design unit. These studies are critical and historical. Students research the work of artists and designers and produce a summary for each of the two studies. **This unit is the subject of a written exam**





### **ART and DESIGN : ADVANCED HIGHER**

This course will provide an opportunity to investigate an area of interest in some depth.

**Course content:** one unit of 40 hours, one of 80 hours plus 40 hours of flexible time.

The course comprises an 80 hour design or expressive unit and a 40 hour design or expressive unit. If the 80 hour unit is design - based, then the 40 hour unit must be expressive or vice versa. Alternatively the 40 hour unit can be an Art or Design study linked to the practical work.

Students choose and investigate a theme in a very thorough manner. Some elements of the course are prescribed by SQA, but this is, for the most part, a self - motivated study.

All the work is completed into a portfolio and sent to the SQA for assessment. There is no formal examination.

As this work is often required to submit to colleges in support of applications, the submission date to the SQA is near to the end of the school year.



## DESIGN & MANUFACTURE – NAT 5

### What will I learn?

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

- Skills in design and manufacturing models, prototypes and products
- Knowledge and understanding of manufacturing processes and materials
- An understanding of the impact of design and manufacturing technologies on our environment and society

The Course provides learners with opportunities to develop skills that are of general value for learning, life and work: the ability to read drawings and diagrams; the ability to communicate design ideas and practical details; the ability to devise and develop practical solutions to design problems; and the ability to manufacture their design ideas.

The Course allows learners to engage with technologies and to consider the impact that design and manufacturing technologies have on our environment and society. It allows them to consider how technologies have impacted on the world of the designer and on manufacturing.

This Course is of broad general benefit to all learners. It also provides a foundation for those considering further study, or a career, in design, manufacturing, engineering, science, marketing, and related disciplines. The Course provides a complementary practical experience for those studying subjects in the technologies and expressive arts.

### How will I be assessed?

Course assessment structure

Component 1 — Assignment 90 marks

Component 2 — Question paper 60 marks

**Total marks 150 marks**



## DESIGN & MANUFACTURE – HIGHER

### What will I learn?

Design and Manufacture allows learners to explore the multi-faceted world of product design and manufacturing. Creativity is at the heart of this Course and its combination with technology makes it exciting and dynamic. The Course combines scientific, mathematical and technological rigour with design and manufacture creativity and innovation.

Learners are encouraged to exercise imagination, creativity and logical thinking and widen their range of potential vocations and careers.

The Course combines elements of creativity and designing for aesthetic or visual impact with elements of designing for the practicalities of manufacturing. It helps the learner appreciate the importance to a product of form, function, and performance. It helps them develop strategies for the evaluation of these attributes and to refine and resolve their designs accordingly. It allows learners to consider the various factors that impact on a product's design and its life cycle.

The Course provides learners with opportunities to develop:

- Research skills
- Idea generation techniques
- The ability to read drawings and diagrams
- Design ideas and practical details
- The ability to evaluate and apply both tangible and subjective feedback
- The ability to devise, plan and develop practical solutions to design opportunities

The Course allows learners to engage with technologies. It allows them to evaluate both the impact that design and manufacturing technologies have on our environment and society and how technologies have impacted on the world of the designer and on the manufacturing industry.

On completing the Course, learners will be able to: initiate, develop and communicate design proposals; solve design problems in applied contexts; and evaluate, refine and resolve design proposals and manufacturing practicalities. In addition, learners will have developed: design skills, including creativity; skills in planning and making models and prototypes of their design ideas; knowledge and understanding of a range of materials and manufacturing processes; a critical appreciation of the factors that impact on the design and manufacture of products; and an understanding of the impact of design and manufacture on our environment and society.

### How will I be assessed?

**Assessment** is a combination of a **question paper**, where

Approx **55%** of the marks will be awarded for questions related to design.

Approx **45%** of the marks will be awarded for questions related to materials and manufacturing.

and an **assignment**, assessing:

**Design skills** — this will include innovative ideas, skilled and informed development, effective and clear communication, and evaluation.

**Practical skills** — this will include precision in measuring and marking out, complex cutting, shaping and forming, accurate assembly of components and high-quality and appropriate finishing

**Course assessment structure.**

Component 1 - Assignment 70 marks  
Paper 70marks

Component 2 - Question

**Total marks - 140**

**DESIGN & MANUFACTURE – ADVANCED HIGHER****What will I learn?**

The Course is designed for all learners who can respond to a level of challenge including, but not limited to, those considering further study or a career in design and manufacturing - related disciplines. It provides sufficient breadth, flexibility and choice to meet the needs of all learners. The Course will support learners with a deep interest in designing and manufacturing and those who are likely to progress to further study or employment - related fields.

Learners will develop a deeper understanding of the broad roles and contributions of those working in a design and manufacturing environments to analyse, problem solve, present, innovate and create solutions to specific design and manufacturing needs and requirements. In the Course, learners are encouraged to exercise imagination, innovation, creativity, ethical and environmental awareness, and logical thinking in realistic, contemporary and, where practical, partnership situations.

The Course is therefore also useful for those with a general or specific interest in the creative industries. Course activities also provide opportunities to enhance generic and transferable skills in planning and organising, working independently and in teams, critical thinking and decision making, research, communication and self and peer evaluation, in a product design and manufacturing context. In addition, learners may make valuable learning contacts through design and manufacturing businesses.

**How will I be assessed?**

Course assessment structure

Component 1 — Project 120 marks

Component 2 — Question paper 80 marks

Total marks 200 marks



## GRAPHIC COMMUNICATION – NAT 5

### What will I learn?

The aims of the Course are to enable learners to:

- ◆ develop skills in graphic communication techniques, including the use of equipment, graphics materials and software
- ◆ extend and apply knowledge and understanding of graphic communication standards, protocols, and conventions where these apply
- ◆ develop an understanding of the impact of graphic communication technologies on our environment and society

This Course is a broad-based qualification, suitable for learners with an interest in graphic communication — both digital and paper-based. It is suitable for those wanting to progress onto higher levels of study in the subject.

The qualification is largely learner-centred and includes practical and experiential learning opportunities. Because the world of graphic communication covers such a wide variety of styles and modes of communication, there is a broad scope for personalisation and choice within the Course for each learner.

On completing the Course, learners will be able to: initiate, develop and communicate ideas graphically; interpret graphic communications initiated by others; use graphic communication equipment, software and materials effectively; and apply knowledge and understanding of graphic communication standards, protocols, and conventions where these apply.

### How will I be assessed?

Course assessment structure

Component 1 — question paper 60 marks

Component 2 — assignment 60

**Total marks 120 marks**



## **GRAPHIC COMMUNICATION – HIGHER**

### **What will I learn?**

This Course provides opportunities for learners to initiate and develop their own ideas graphically. It allows them to develop skills in reading and interpreting graphics produced by others and to continue to develop graphic awareness in complex graphic situations, expanding their visual literacy. Learners are encouraged to exercise imagination, creativity and logical thinking. They will develop an awareness of graphic communication as an international language. They will find that the skills they acquire by successfully completing this Course will be invaluable for learning, for life and for the world of work. The Course provides skills that are complementary to other curricular areas, such as expressive arts, sciences, and mathematics. It provides skills that are valuable for learners in the other areas of study in the technologies.

The Course provides progression from the National 5 Graphic Communication Course.

A broad overview of the mandatory subject skills, knowledge and understanding that will be assessed in the Course is given in this section. These include:

- Replicating familiar and some new graphic forms with some complex features in 2D, 3D and pictorial representations.
- Applying recognised graphic communication standards, protocols and conventions in straightforward but unfamiliar contexts.
- Initiating, planning and producing preliminary, production, promotional, and informational graphics in both familiar and new contexts, with some complex features.
- Applying graphic design skills, including creativity, when developing solutions to graphics tasks with some complex features.
- Understanding the application of colour, illustration and presentation techniques in a broad range of graphics contexts.
- Critically reviewing graphics work as it progresses and evaluating completed task work suggesting strategies for improvement.
- Extending visual literacy by interpreting unfamiliar graphic communications. Some with complex features or combinations of views.
- Extending graphic spatial awareness in unfamiliar 2D, 3D and pictorial graphic situations including those with complex features.
- Selecting, managing, and using graphic communication equipment, software and materials effectively across tasks.
- Understanding a broad range of computer-aided graphics techniques including commercial/industrial practice.
- An informed understanding of the impact of graphic communication technologies on our environment and society and their likely impact in the future.

### **How will I be assessed?**

Pupils will be assessed by completing a 70 mark exam and undertaking a 70 mark assignment.

**Exam (2 Hours)** – Approximately 50% of the marks will be awarded for questions related to 2D Graphic Communication.



Approximately 50% of the marks will be awarded for questions related to 3D and Pictorial Graphic Communication.

**Assignment** – Marks will be awarded for: analysis and research, preliminary graphics, production graphics and promotional graphics.

## **GRAPHIC COMMUNICATION – ADVANCED HIGHER**

### **What will I learn?**

The purpose of the Advanced Higher Course is to develop learners' skills in communicating using graphic media, and in interpreting, understanding and critically evaluating graphic media created by others. These skills are essential for people of all ages living and working in a modern society. The way in which visual information is communicated has a direct influence and effect on our decisions, actions and emotions as we go about our everyday business

With significant opportunities for personalisation and choice, the Course encourages creative and independent minds and provides skills and enthusiasm for lifelong learning. It draws on the skills, knowledge and understanding from other experiences, as well as those from graphic communication, to prepare learners through a rich and integrated learning experience.

The Course develops through a number of graphic themes and approaches, and the learner may tailor their studies and choices to suit their intended pathways. Additionally, within the Units there is scope for flexibility and it is therefore likely that learners will experience their studies in different but equally valuable ways.

The Course provides opportunities to study a diverse range of graphic applications which might include, business, industrial and the built environment, computer-aided work, publishing and moving graphic media.

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

- skills for enquiry, research and evaluation in the commercial contexts of graphic communication
- critical understanding of the impact of advanced graphic communication technologies and activities on our environment and society
- skills in applying graphic communication design principles and techniques in the various contexts of commercial activity
- skills in the use of software applications in producing creative, meaningful and effective graphic items and solutions to contextualised problems and challenges
- skills in creatively applying graphic presentation work and animation techniques to satisfy the needs of commercial activities and those of their audiences
- the ability to demonstrate independence in learning and thinking



**How will I be assessed?**

**Course assessment structure**

Component 1 — Project 120 marks  
marks

Component 2 — Question Paper 80

**Total marks 200 marks**





## ENGLISH FACULTY

### ENGLISH : NATIONAL 5/NATIONAL 5 LITERACY

#### What will I learn?

The National 5 English Course enables learners to develop their literacy skills and to understand, analyse and evaluate a range of texts [including Scottish texts] in the contexts of literature, language and media. The course also enables learners to create and produce texts of their own and to apply their knowledge and understanding of language.

#### NATIONAL 5 LITERACY

Choosing this course will result in a valuable qualification in Literacy. You will work as part of a N5 class and complete a series of units which you will have to pass to gain an overall award. This course can be completed as part of a two year N5 pathway or on its own. It allows learners to gain an award from their study in English in the senior phase as there is no formal exam to undertake.

#### How will I be assessed?

To gain a National 5 Course award, learners must, ultimately, pass the SQA exam which consists of two papers: Reading for Understanding, Analysis and Evaluation [30 marks] and Critical Reading [40 marks].

In Paper One [R for U, A and E] learners will have to answer questions on one unseen non-fiction text, which will demonstrate their ability to understand the writer's ideas, and to analyse and evaluate the features of language which convey them.

In Paper Two [Critical Reading] learners will demonstrate their knowledge and understanding of the literature covered on the course by writing both a Critical Essay and answering questions on an extract from the Scottish Set Text which they will have studied. Learners are also required to submit a portfolio of writing consisting of two examples of their work, in different genres. Each piece of writing could gain a maximum of 15 marks, making the total available for the writing portfolio 30 marks, or the remaining 30% of the total marks available.

#### National 5

Assessment will take the form of four unit assessments on Reading, Writing, Talking and Listening. These will be completed throughout the session.



## **ENGLISH : HIGHER**

### **What will I learn?**

The Higher English Course provides learners with the opportunity to develop listening, talking, reading and writing skills that will enable them to understand and use language. Learners will develop their understanding of the complexities of language by studying a wide range of texts and building on their literacy skills. The course also develops high levels of analytical thinking and understanding of the impact of language.

### **How will I be assessed?**

To gain a Higher English Course award, learners must, ultimately, pass the SQA exam which consists of two papers: Reading for Understanding, Analysis and Evaluation [30 marks] and Critical Reading [40 marks].

In Paper One [R for U, A and E] learners will have to answer questions on two non-fiction texts, thematically connected, which will demonstrate their ability to understand the writers' ideas, and to analyse and evaluate the features of language which convey them.

In Paper Two [Critical Reading] learners will demonstrate their knowledge and understanding of the literature covered on the course by writing both a Critical Essay and answering questions on an extract from the Scottish Set Text

However, a candidate's presentation in the final exam is dependent upon his or her having passed a series of SQA Units along the way, which are assessed internally.

Learners are also required to submit a portfolio of writing consisting of two examples of their work, in different genres. Each piece of writing could gain a maximum of 15 marks, making the total available for the writing portfolio 30 marks, or the remaining 30% of the total marks available.

## **ENGLISH: TWO YEAR HIGHER**

### **WITH SQA ACCREDITATION IN LITERATURE 1 AT THE END OF YEAR ONE**

**ENTRY REQUIREMENTS:** PASS AT N5 ENGLISH

### **What will I learn?**

As well as developing the skills needed to succeed in Higher English, (see separate section on Higher), you will be given the opportunity to attain a free-standing SQA unit in Literature.

### **How will I be assessed ?**

There is no formal exam for the units. The Learning Outcomes will be assessed in class on a Pass/Fail basis. Each Learning Outcome must be passed in order to attain the unit. These will be completed during the first year of the course, meaning that students can continue to study for Higher the following session. Alternatively, students can cease to study English after S5 having hopefully achieved the unit pass.

In the second year of the course, students will follow the assessment schedule of the traditional Higher English course. ( See separate section on Higher)



## HEALTH AND WELLBEING FACULTY

### HOSPITALITY: PRACTICAL COOKERY NATIONAL 5

#### **What will I learn?**

The National 5 Hospitality: Practical Cookery Course further enhances learners' personal effectiveness in cookery and provides a set of skills for those who wish to progress to further study in the hospitality context or simply to become more proficient at handling food. Learners will develop a range of practical cookery skills, including food preparation techniques and the ability to follow cookery processes; the ability to choose, weigh and measure ingredients and calculate proportions, calculate the cost of ingredients and portions; and the ability to follow recipes to produce dishes, and to evaluate the product.

#### **How will I be assessed?**

Students will be assessed in their knowledge and understanding of course topics. They will also be assessed in their organisation of cooking tasks and their practical skills and abilities. This will involve the planning, preparing and presenting of certain recipes and dishes.

### National Progression Award in Bakery SCQF level 4

#### **What will I learn?**

The National Progression Award in Bakery aims to provide candidates with a range of bakery skills and understanding. It will help provide candidates with relevant practical skills for bakery related occupations and for further study in bakery. This course will provide candidates with the opportunity to develop practical skills, focussing on breadmaking, craft baking, cake decorating and pastry.

#### **How will I be assessed?**

Candidates will be assessed in all four mandatory units and will require to demonstrate their practical skills and competences alongside their knowledge and understanding in order to achieve unit passes. By meeting the standards in all four units, candidates will gain this nationally accredited award.



### PHYSICAL EDUCATION – National 5

#### **What will I learn?**

All learners will aim to develop the ability to safely perform a comprehensive range of movement and performance skills. Students will also develop their understanding of factors that impact on their performance in physical activities. Students will aim to build capacity to perform effectively by developing approaches to enhance personal performance. Candidates will be engaged in monitoring, recording and evaluating their performance progress.

#### **How will I be assessed?**

Candidates practical abilities will be assessed. Students will be required to demonstrate their performance skills in different contexts. This is likely to require candidates to perform in front of an audience including staff and peers. They will also be assessed in their knowledge and understanding of the theoretical concepts explored during their practical work. At N5 level, students will complete an externally assessed **portfolio** carried out under teacher supervision during class time.

### PHYSICAL EDUCATION – HIGHER

#### **What will I learn?**

The learner will attempt to develop a broad and comprehensive range of complex movement and performance skills, and demonstrate them safely and effectively across a range of challenging contexts. Students will learn to select and apply skills and make informed decisions to effectively perform in physical activities. Candidates will develop their ability to analyse mental, emotional, social and physical factors that impact on performance. Students will aim to understand how skills, techniques and strategies combine to produce an effective performance. Pupils in Higher PE will endeavour to analyse and evaluate performance to enhance personal effectiveness.

#### **How will I be assessed?**

Candidates practical abilities will be assessed. Students will be required to demonstrate their performance skills in different contexts. This is likely to require candidates to perform in front of an audience including staff and peers. They will also be assessed in their knowledge and understanding of the theoretical concepts explored during their practical work. This is in the form of a written question paper completed during the formal SQA exam diet.



### NPA SPORT & FITNESS

#### **What will I learn?**

This National Progression Award at SCQF Level 5 (equivalent to a National 5) will improve your skills and knowledge relating to sports participation, organisation, officiating and coaching.

- Units are as follows:
  - Participation and Performance
  - Sports Officiating & Organisation
  - Sports Coaching Development

#### **How will be assessed?**

Units are assessed internally, there is no formal exam. There are both practical and written aspects to the assessment.

#### **Why will this subject be useful to me?**

There is a continued national demand for Sport and Fitness education and this demand is expected to increase over the next few years. This could be seen to be partially due to the expanding market in the Sports and Fitness Industry Sectors. Investment and development in this sector has grown significantly and will continue to over the next decade. All these will naturally result in the direct expansion of the labour market with this industry sector.



## HUMANITIES FACULTY

### GEOGRAPHY

#### Geography National 5

##### **What will I learn?**

The National 5 Geography Course develops a range of geographical skills and techniques. Learners gain a detailed understanding of the ways in which people and the environment interact in response to physical and human processes at local, national, international and global scales

##### **How will I be assessed?**

All pupils will be assessed throughout the course in a variety of ways. Pupils will self-assess, peer assess and be subjected to ongoing assessment in the department as well as more traditional methods of ascertaining pupil progress. Progress will be closely monitored to ensure all pupils are supported in helping them achieve their very best grades.

### GEOGRAPHY: HIGHER

##### **What will I learn?**

The Higher Geography Course develops learners' understanding of our changing world and its human and physical processes in local, national, international and global study contexts. Opportunities for practical activities including fieldwork are encouraged, so that learners can interact with their environment.

##### **How will I be assessed?**

All pupils will be assessed throughout the course in a variety of ways. Pupils will self-assess, peer assess and be subjected to ongoing assessment in the department as well as more traditional methods of ascertaining pupil progress. Progress will be closely monitored to ensure all pupils are supported in helping them achieve their very best grades.

In many universities, Higher Geography can be recognised as a science qualification.



## TRAVEL AND TOURISM NATIONAL 4/5

### **What I will learn?**

- In Travel and Tourism you will complete two knowledge and understanding style

units:

- UK and World Wide-The study of tourism issues, and tourism trends all around the world. In this unit you will also be tasked with preparing an itinerary for someone's holiday to a worldwide destination.
- Scotland-This concerns the study of tourism issues and trends in our own country.

There are a further two units which are more skills based and these can help you develop your CV and work experience.

**Employability**-This is the study of different jobs in the travel and tourism industry. You will learn in detail about at least three jobs- Travel Agent, Air Steward, Holiday Rep etc. You will have a visit from an Air Hostess and have the opportunity to take part in flight simulation to achieve an outcome.

- **Customer Service**-In this unit you will develop the skills needed to succeed in a customer service based industry. The focus will be on travel and tourism but these skills are transferable and can be used on your CV to help you obtain a part time job. Issues we look at are complaint handling, upselling and meeting and greeting customers.

### **How will I be assessed?**

- There is no final exam. This is course work assessed.
- There will be 12 assessment folio pieces which will be internally marked by the teacher at both National 4 and National 5 level.

### **Why will this subject be useful to me?**

- Chance to develop work based skills to help you apply for jobs
- Increases awareness of travel market and will aid you in booking holidays for years to come.

Gain a qualification without an exam in the world's largest employment sector.



## HISTORY

### History National 5

#### **Pupils will study:**

- Migration and Empire
- The Making of Modern Britain
- The USA 1918-1968 (Focus on Civil Rights)

The National 5 History Course enables learners to develop a range of skills including the ability to apply a detailed historical perspective and evaluate sources in a range of contexts.

Learners gain a detailed understanding of the factors contributing to historical events, and their impact. They also develop the skills of investigating historical events and forming views on the basis of evidence, and of explaining and analysing historical events and drawing reasoned conclusions

#### **How will I be assessed?**

All pupils will be assessed throughout the course in a variety of ways. Pupils will self-assess, peer assess and be subjected to ongoing assessment in the department as well as more traditional

## HISTORY: HIGHER

#### **Pupils will study:**

- **Migration and Empire**
- **British Democracy 1850-1951**
- **USA 1918-1968**

The Higher History Course allows learners to develop their knowledge and understanding of the past through the study of Scottish, British, European and world contexts in a variety of time periods. Options cover topics from the medieval, early modern and later modern periods, and include elements of political, social, economic and cultural history

#### **How will I be assessed?**

All pupils will be assessed throughout the course in a variety of ways. Pupils will self-assess, peer assess and be subjected to ongoing assessment in the department as well as more traditional methods of ascertaining pupil progress. Progress will be closely monitored to ensure all pupils are supported in helping them achieve their very best grades.

#### **SQA Assessments:**

- Component 1: question paper 1 — British, European and world history 44 marks 1 hour and 30 minutes
- Component 2: question paper 2 — Scottish history 36 1 hour and 30 minutes





- Component 3: assignment 30 1 hour and 30 minutes this will be completed in class under exam conditions

methods of ascertaining pupil progress. Progress will be closely monitored to ensure all pupils are supported in helping them achieve their very best grades.

### **SQA Assessments**

- Component 1: question paper 80 2 hours and 20 minutes
- Component 2: assignment 20 1 hour (Completed in class under exam conditions)

## **History: Advanced Higher**

### **Purpose and aims**

Candidates acquire depth in their knowledge and understanding of historical themes, and further develop the skills of analysing complex historical issues, evaluating sources, and drawing conclusions. The depth of study enables candidates to engage in historical debate and thereby develop a deeper appreciation of the forces which have shaped historical developments.

Candidates develop:

- ◆ a conceptual understanding of the past and an ability to think independently
- ◆ a critical analysis of existing historical research, including identifying important lines of argument and evaluating schools of thought on particular historical issues
- ◆ analytical skills through the use of historical sources relating to authorship and purpose, perspective and historical and historiographical context
- ◆ an understanding of the relationship between factors that contribute to complex historical events
- ◆ an understanding of the impact of contributing factors, and their relationship with one another, on historical events

### **Who is this course for?**

The course is suitable for candidates who have been awarded a Higher History at grades A-C who wish to develop a further understanding of history.

### **Course content**

Candidates undertake a detailed study of Germany: From Democracy to Dictatorship 1918-1939.

### **Course assessment structure:**

Question paper 90 marks: This is 64% of the overall marks for the course assessment.

Project–dissertation 50 marks: The project–dissertation has a total mark allocation of 50 marks. This is 36% of the overall marks for the course assessment.



## **MODERN STUDIES**

### **MODERN STUDIES: NATIONAL 5**

#### **What will I learn?**

The National 5 Modern Studies Course gives learners a detailed understanding of the democratic process and of social and economic issues at local, Scottish, national and international levels.

Pupils will study:

- Democracy in the UK
- Social Issues in the UK
- The USA

#### **How will I be assessed?**

All pupils will be assessed throughout the course in a variety of ways. Pupils will self-assess, peer assess and be subjected to ongoing assessment in the department as well as more traditional methods of ascertaining pupil progress. Progress will be closely monitored to ensure all pupils are supported in helping them achieve their very best grades.

In order to achieve National 5 Modern Studies pupils will have to undertake:

- A research assignment (worth 20% of their overall grade)
- A final exam (worth 80% of their overall grade)

### **MODERN STUDIES: HIGHER**

#### **What will I learn?**

The Higher Modern Studies Course develops learners' knowledge and understanding of contemporary political and social issues in local, Scottish, United Kingdom and international contexts. In these contexts, learners develop an awareness of the social and political issues they may meet in life.

Pupils will study:

- Democracy in Scotland and the UK
- Social Issues in the UK
- The USA



## How will I be assessed?

All pupils will be assessed throughout the course in a variety of ways. Pupils will self-assess, peer assess and be subjected to ongoing assessment in the department as well as more traditional methods of ascertaining pupil progress. Progress will be closely monitored to ensure all pupils are supported in helping them achieve their very best grades.

In order to achieve Higher Modern Studies pupils will have to undertake:

- A research assignment (worth 27% of their overall mark)
- A final exam (consisting of 2 papers, worth 73% of their overall grade combined)

## MODERN STUDIES: ADVANCED HIGHER

### Purpose and Aims:

The course uses a multidisciplinary approach to develop candidates' knowledge and understanding of contemporary political and social issues in local, Scottish, United Kingdom (UK) and international contexts. Candidates develop the skills to interpret and participate in the social and political processes they encounter in their lives. The course aims to enable candidates to:

- analyse the complex political and social processes that lead to an understanding of contemporary society
- understand and analyse complex political or social issues in the UK and adopt a comparative international approach
- develop a range of independent practical research skills that allow them to carry out research into a contemporary issue
- present complex ideas in a range of ways
- analyse, evaluate, and synthesise a range of sources relating to complex issues
- develop a knowledge and understanding of social science research methods
- apply a multidisciplinary approach drawing on analysis from a range of social sciences

### Course content

Candidates undertake a detailed study of Crime and the Law.

- understanding the criminal justice system
- understanding criminal behaviour
- responses by society to crime
- social science research methods and issues

The course is open to any S6 pupil who has already completed a higher in Modern Studies.



## **RELIGIOUS, MORAL AND PHILOSOPHICAL STUDIES:**

### **National 5**

#### **What will I learn?**

The National 5 Religious, Moral and Philosophical Studies Course enables learners to investigate and explain religious, moral and philosophical questions and responses, make comparisons, and develop the ability to express detailed and reasoned views.

#### **How will I be assessed?**

All pupils will be assessed throughout the course in a variety of ways. Pupils will self-assess, peer assess and be subjected to ongoing assessment in the department as well as more traditional methods of ascertaining pupil progress. Progress will be closely monitored to ensure all pupils are supported in helping them achieve their very best grades.

#### **Career Possibilities**

Employers in the following careers regard RMPS as a desirable examination subject: -

Teaching

Nursing

Police

Law

Social Work

Youth & Community Work

Personnel

Management

Banking

Journalism

The Forces

Plus any employment involving interpersonal skills

### **HIGHER**

#### **What will I learn?**

The Higher Religious, Moral and Philosophical Studies Course enables learners to investigate, critically analyse and evaluate religious, moral and philosophical questions and responses, and to develop the ability to express detailed, reasoned and well-structured views

#### **How will I be assessed?**

All pupils will be assessed throughout the course in a variety of ways. Pupils will self-assess, peer assess and be subjected to ongoing assessment in the department as well as more traditional methods of ascertaining pupil progress. Progress will be closely monitored to ensure all pupils are supported in helping them achieve their very best grades.



## ICT FACULTY

### ACCOUNTING : NATIONAL 5

#### **What will I learn?**

The National 5 Accounting Course will enable you to understand and use financial information, so that you can prepare accounting statements and analyse, interpret and report on an organisation's financial performance.

The Course develops learners' knowledge and understanding of the relevant accounting concepts and techniques used to prepare financial information and prepare management information to assist decision making.

#### **Preparing Financial Accounting Information**

You will learn to record straightforward financial accounting transactions and prepare period end financial statements. You will gain an understanding of the key financial accounting terms relating to the preparation of final accounts. You will also learn about a range of straightforward analytical concepts used to assist financial decision making, and their application in familiar contexts

#### **Preparing Management Accounting Information**

You will learn how to prepare straightforward cash budgets and a range of straightforward cost statements and be able to demonstrate your understanding of key management accounting terms

#### **Analysing Accounting Information**

In this Unit, you will learn how to interpret, analyse and evaluate a range of straightforward accounting information to assess the current financial position of an organisation.

#### **How will I be assessed?**

Your progress will be monitored as you progress through the course units. Assessment will take the form of informal progress checks as well as more formal end of unit tests.

The course will be assessed by a final exam which consists of a question paper (during the main exam diet) and an assignment (completed in class and marked externally)

#### **Career Possibilities**

If you achieve a qualification in accounting, there are numerous career paths open to you. These are listed at the bottom of the accounting page



## ACCOUNTING : HIGHER

### What will I learn?

The Higher Accounting course enable you to understand and make use of financial information.

You will develop your ability to use Information and Communications Technology (ICT) as a tool for preparing and presenting accounting information, through a choice of accounting contexts.

The course has 2 Units

### Financial Accounting

You will learn to prepare accounting statements for different types of companies including partnerships and Limited companies and analyse, interpret and report on their financial performance.

### Management Accounting

You will develop your understanding of internal accounting procedures. You will learn how to create budgets, prepare inventory statements and prepare costing statement for jobs

The Course will develop your accuracy in preparing, presenting and interpreting complex accounting information, and enable you to apply complex accounting concepts and techniques when preparing financial information.

### How will I be assessed?

As you work through the course your work will be monitored regularly using a variety of progress checks.

The final exam will consist of an assignment (of which at least one question will be completed on computer, worth 60 marks and a question paper (during the main exam diet) worth 120 marks. Both are externally marked by the SQA

### Career Possibilities in Accounting

Employers in the following careers regard Accounting as a desirable examination subject:

Insurance	Accountancy	Administration	Management
Credit Control	Local Government	Purchasing	Book-Keeping
Financial Advice	Investment Analysis	Business Management	Banking
Pensions Management	Tax Advice	Civil Service	Stockbroking
Retail and Sales	Financial Management		



## **ADMINISTRATION AND IT : NATIONAL 4**

### **What will I learn?**

The key purpose of this Course is to develop administrative and IT skills and, ultimately, to enable you to contribute to the effective functioning of organisations.

You will develop a basic understanding of administration in the workplace and key legislation affecting employees. You will also develop an appreciation of good customer care and acquire IT skills and use them to perform straightforward administrative tasks. The course also allows you to acquire organisational skills in the context of organising and supporting small-scale events.

### **How will I be assessed?**

The course consists of three units – Communication in Administration, IT Solutions for Administrators and Administrative Practices. On completion of each unit and when you are ready, you will be assessed internally using the assessments provided by the SQA

You will also complete an Added Value unit which will assess your ability to use all of the skills developed from the three units. All assessment is on a Pass or Fail basis

## **ADMINISTRATION AND IT : NATIONAL 5**

### **What will I learn?**

The National 5 Administration and IT course aims to further develop the skills acquired at National 4. It provides practical opportunities for you to develop and apply your organisational and administrative skills.

You will therefore further develop IT skills that enable you to use technologies as tools for carrying out organisational and administrative tasks. These skills are expected by employers for most modern job roles.

### **How will I be assessed?**

The course consists of three units – Communication in Administration, IT Solutions for Administrators and Administrative Practices and your progress and performance will be monitored informally with ongoing class assessments throughout the course.

The course will be assessed using an Assignment worth 70 marks – provided annually by the SQA which will examine your ability to use all of the skills acquired from the Communication unit and Word Processing, as well as knowledge and understanding of theory topics. There will also be a practical exam set by the SQA worth 50 marks. This will assess your Spreadsheet and Database application skills and theory knowledge.

### **Career Possibilities**

If you achieve a qualification in Administration & IT, there are numerous career paths open to you. These are listed at the bottom of the Administration and IT Higher page.



## ADMINISTRATION: HIGHER

### **What will I learn?**

At Higher Level the Administration and IT Course will develop advanced administrative and IT skills for processing and managing information, and for communicating complex information effectively. You will also develop your problem solving skills throughout the course.

The Course will enable you to contribute to the effective functioning of organisations, with these skills being expected by employers for most modern job roles.

### **How will I be assessed?**

The course consists of three units – Communication in Administration, IT Solutions for Administrators and Administrative Theory and Practice. Your progress will be assessed with end of topic tests throughout the year.

The course will be assessed using an Assignment worth 70 marks – provided annually by the SQA which will examine your ability to use all of the skills acquired from the Communication and IT Solutions for Administrators units. There will also be a theory exam set by the SQA worth 50 marks.

### **Career Possibilities in Administration and IT**

Employers in the following careers regard Administration & IT as a desirable examination subject:

Customer Support	Insurance	Civil Service
Reception Work	Housing Administration	Travel & Tourism
Secretarial work	Financial Services	Court Administration
Paralegal Services	Local Government	Distribution Admin
Health service Admin	Procurement	Clerical work
Human Resources	Office Management	Quality Management
Call centre operations	Payroll administration	Transport Administration





### **Business with Information Technology (NPA level 5/6)**

#### **What will I learn?**

This course provides you with the fundamental business and information technology skills that they will need for employment and/or further study. It consists of a mixture of units from Business Management and Administration and IT Courses.

This NPA will develop your problem solving and IT skills and enable you to be more confident in the use of software application packages for administrative and business purposes. It will also develop an awareness of issues facing organisations today.

#### **How will I be assessed?**

The course consists of one three mandatory units – Understanding Business, IT Solutions for Administrators and Communication in Administration and one of either Management or Marketing and Operations and Management of People and finance.

Assessment of this award will be a combination of practical and knowledge assessments under appropriate conditions. Awards of this type have no final exam.

#### **Career Possibilities**

This course will develop the skills that are important for a range of careers in Business and/or administration. A list of these career pathways can be found at the end of the relevant subject information.



## **BUSINESS MANAGEMENT: NATIONAL 5**

### **What will I learn?**

The Course is suitable for all learners interested in entering the world of business — whether as a manager, employee or self-employed person — as it gives learners knowledge of the business environment. The Course fosters a greater understanding of how people contribute to business success. As a consequence, you will be better informed about business and be able to make an effective contribution to society as consumers, managers, employees, employers or self-employed people.

The Course consists of three mandatory Units. By its nature, the Course develops a wide range of skills for learning, life and work, through providing opportunities for active learning in real-life contexts.

**Understanding Business** – on completion of this unit you should be able to

- explain the role of business enterprises in contemporary society
- explain the nature and importance of business information
- explain decision making in business enterprises

**Marketing and Operations** – this unit should enable you to

- explain the marketing function in an organisation e.g. the nature of markets, market research
- explain the finance function e.g. budgets, final accounts

**Human Resources and Finance** – this unit should enable you to:

- explain the human resource function e.g. recruitment, training etc
- explain the operation function e.g. changing technology

### **How will I be assessed?**

Your progress will be monitored as you progress through the course units. Assessment will take the form of informal progress checks as well as more formal end of unit tests.

The course will be assessed by a final exam which consists of a question paper worth 90 marks (during the main exam diet) and an assignment worth 30 marks (completed in class and marked externally)

If you achieve a qualification in Business Management, there are numerous career paths open to you. These are listed at the bottom of the Business Management Advanced Higher page.



## **BUSINESS MANAGEMENT: HIGHER**

### **What will I learn?**

The Business Management course will develop your enterprise skills and attributes by providing you with opportunities to study a range of business and organisational contexts.

You will develop an awareness of the ways in which society relies on businesses and other organisations to satisfy its needs, and an understanding of how to use business information to interpret and report on overall business performance - in a range of contexts.

You will also gain knowledge and understanding of the impact that external influences have on organisations, such as economic impact and sustainability

### **How will I be assessed?**

The course consists of three units – Understanding Business, Management of Human Resources and Finance and Management of Marketing and Operations. On completion of each unit and when you are ready, you will be assessed informally through a series of end of unit progress checks and a more formal course assessment to gather evidence of ability.

You will also have a final exam which consists of a question paper worth 90 marks (during the main exam diet) and an investigation on a business and topic of your choice worth 30 marks (completed in class and marked externally)

If you achieve a qualification in Business Management, there are numerous career paths open to you. These are listed at the bottom of the Business Management Advanced Higher page.



## **BUSINESS MANAGEMENT: ADVANCED HIGHER**

### **What will I learn?**

The Advanced Higher Business Management Course will prepare you to play an active part in Scotland's vibrant and innovative business culture by equipping you with an understanding of the national and global nature of business.

You will develop analytical and research skills by investigating real organisations in a range of contexts. You will gain a perspective that gives you the ability to research, analyse and interpret the actions and decisions taken by such organisations, and to explain how these actions and decisions might affect businesses and their economic success.

The Course supports enterprise through investigative and decision-making skills based around researching a real business, and employability through gaining desirable levels of business knowledge.

### **How will I be assessed?**

The course consists of three units – The Internal Business Environment, The External Business Environment and Evaluating Business Information. As you work through the course your work will be monitored using end of unit tests and progress checks.

The final exam consists of a question paper (during the main exam diet) worth 80 marks and an investigation on a business and topic of your choice worth 40 marks (completed in class and marked externally)

### **Career Possibilities in Business Management**

Employers in the following careers regard Business Management as a desirable examination subject:

Office Management	Marketing	Hospitality Management
Economics	Public Relations	Human Resources
Importing / Exporting	Credit Control	Entrepreneurship
Politics	Industrial relations	Quantity Surveying
Business Development	Procurement	Clerical work
Human Resources	Property Management	Advertising
Retail & Sales	Banking	Accounting
Health Service Management		Teaching



## COMPUTING – NATIONAL 5

### **What will I learn?**

Computing Science will enable you to develop a range of computing and computational thinking skills across a range of contemporary contexts. This includes analytical skills, problem-solving skills, design and modelling skills, and the ability to develop, implement and test digital solutions.

The Course takes account of the modern technologies and development methodologies related to software development, information systems such as databases, and web page development.

### **How will I be assessed?**

Your progress will be monitored as you progress through the course units. Assessment will take the form of informal progress checks as well as more formal end of unit tests.

The course will be assessed by a final exam which consists of a question paper worth 110 marks (during the main exam diet) and an assignment worth 50 marks (completed in class and marked externally)

### **Career Possibilities**

If you achieve a qualification in computing science, there are numerous career paths open to you. These are listed at the bottom of the Computing Science Higher page



## COMPUTING – HIGHER

### **What will I learn?**

This course aims to further develop the skills acquired at National 5 therefore the Higher Computing Course will introduce you to an advanced range of computational processes and thinking, and develop a rigorous approach to the design and development process across a variety of contexts. As with National 5 this course concentrates on Information systems (Databases, Multimedia and Web Page creation), and Software Development. You will gain an awareness of the importance that computing professionals play in meeting the needs of society today and for the future, in fields which include science, education, business and industry.

### **How will I be assessed?**

As with National 5 the course consists of four areas of study – Database Design and Development, Software Design and Development, Web Design and Development and Computer Systems

Your progress will be monitored as you progress through the course units. Assessment will take the form of informal progress checks as well as more formal end of unit tests.

The course will be assessed by a final exam which consists of a question paper worth 110 marks (during the main exam diet) and an assignment worth 50 marks (completed in class and marked externally)

### **Career Possibilities in Computing Science**

Employers in the following careers regard Computing Science as a desirable examination subject:

Cyber Security	Software Development	Multimedia Development
Computer aided design	Computer Games Dev	Animation
IT support services	IT Consultant	IT project management
Programmer	Teaching	Web development
Network management	Systems development	Hardware engineer
Systems Analyst	Software engineer	



## Computer Games Development (National Progression Award)

### **What will I learn?**

This qualification is designed to teach you how to **code** and **develop** computer games.

Each level consists of three topics: **media assets, design and development**. The media assets part of the award focuses on finding and capturing digital media that could be used within a game, such as sounds, images and videos, and customising these assets to fit into a game. The design part of the award focuses on creating a plan for the development of a computer game. The development part of the award focuses on writing code to actually produce the game. During the award, you will gain a variety of knowledge and skills including the following.

- What media assets are available and how to capture them?
- What makes a good game?
- How to modify media assets for your game?
- How to program a computer game? Coding is essential to produce a working game independently.
- How to design a good game?
- How to test a game?

### **How will I be assessed?**

The award is mainly assessed by a practical task that will require you to actually create a computer game. You are required to do this by yourself but you will learn in a collaborative way, along with other learners

**At level 5** – At this level you will produce a computer game and also demonstrate your knowledge and understanding by undertaking an internal assessment

This award can also be completed at Level 4 if required

### **Career Possibilities**

This course will develop the skills that are important in the Computer Games industry and can lead to further study and specialisation in aspects of Computer Games Development, Digital Media Studies, Computing Science and other IT subjects

**MATHEMATICS FACULTY****APPLICATIONS OF MATHEMATICS: NATIONAL 5****What will I learn?**

This is a one year course to enable students to build upon the mathematical knowledge gained at National 4 level.

The National 5 Applications of Mathematics course explores the applications of mathematical techniques and skills in everyday situations, including financial matters, statistics, and measurement. The skills, knowledge and understanding in the course also support learning in other curriculum areas, such as technology, health and wellbeing, science, and social studies.

**How will I be assessed?**

Ongoing assessment and Unit tests (where appropriate) will help pupils to track progress and highlight areas for improvement. The final exam is made up of 2 papers. Non Calculator and Calculator.





### **MATHEMATICS: NATIONAL 5**

#### **What will I learn?**

This is a one year course to enable students to build upon the mathematical knowledge gained at National 4 level. The National 5 Mathematics course:

- extends the mathematical concepts met at National 4 Mathematics.
- encourages the use of techniques, which are of use in solving problems met in everyday life.
- provides a sound basis for the further advancement of mathematics to Higher Level at school or college.

**Expressions and Formulae** – aims to develop skills linked to mathematical expressions and formulae. Includes the manipulation of abstract terms, the simplification of expressions and the evaluation of formulae. This covers aspects of number, algebra, geometry and reasoning.

**Relationships** - aims to develop skills linked to mathematical relationships. Includes solving and manipulating equations, working with graphs and carrying out calculations on lengths and angles of shapes. This covers aspects of algebra, geometry, trigonometry and reasoning.

**Applications** - aims to develop skills linked to applications of mathematics. These include using trigonometry, geometry, number processes and statistics within real life contexts

#### **How will I be assessed?**

Ongoing assessment and Unit tests (where appropriate) will help pupils to track progress and highlight areas for improvement. . The final exam is made up of 2 papers. Non Calculator and Calculator.

### **MATHEMATICS: HIGHER**

#### **What will I learn?**

The Higher Mathematics Course enables learners to select and apply mathematical techniques in a variety of mathematical situations. Learners interpret, communicate and manage information in mathematical form.

**Expressions and Functions** – aims to develop knowledge and skills that involve the manipulation of expressions, the use of vectors and the study of mathematical functions. This covers aspects of algebra, geometry and trigonometry as well as reasoning and modelling.

**Relationships and Calculus** – aims to develop knowledge and skills that involve solving equations and introduces differential and integral calculus. This covers aspects of algebra, trigonometry, calculus as well as reasoning and modelling



**Applications** – aims to develop knowledge and skills that involve applications of geometric properties, sequences and calculus. This covers aspects of algebra, geometry, calculus as well as reasoning and modelling

**How will I be assessed?**

Ongoing assessment and Unit tests (where appropriate will help pupils to track progress and highlight areas for improvement. . The final exam is made up of 2 papers. Non Calculator and Calculator.

**MATHEMATICS: ADVANCED HIGHER**

**What will I learn?**

The Advanced Higher Mathematics Course enables learners to select and apply complex mathematical techniques in a variety of mathematical situations. Learners interpret, analyse, communicate and manage information in mathematical form, while exploring more advanced techniques.

**Mathematics 1** - includes algebra, differentiation, integration, properties of functions, systems of linear equations

**Mathematics 2** - includes further differentiation and integration, complex numbers, sequences and series, elementary number theory and methods of proof

**Mathematics 3** - vectors in three dimensions, matrix algebra, further sequences and series, further differential equations, further number theory and further methods of proof.

**How will I be assessed?**

Ongoing assessment and Unit tests will help pupils to track progress and highlight areas for improvement. The final exam is made up of 2 papers. Non Calculator and Calculator.

**MODERN LANGUAGES (GERMAN/SPANISH)**

Apart from the obvious personal benefit of being able to communicate with people from other countries worldwide, there are many social and educational benefits which bring a sense of satisfaction of belonging to a wider world. There are also a number of vocational advantages.

Much of the UK's trade is with the European Union, and industry and commerce agree they need a strong capability in foreign languages to sell British goods in Europe. This has become much more important now that the UK's has left the EU.



Languages are **not** just for interpreters/translators. Universities and colleges now offer courses where the study of a language is combined with science, technology, law, business etc. For some courses, pupils may be surprised to find that a language qualification is a condition for entry. Ability in a foreign language can be a valuable asset in many career areas. Multilingualism is an indicator of general mental agility and an internationalist outlook, qualities which are much sought by employers in this age of globalisation. Languages also enhance your experience of travelling by allowing you to immerse yourself in new cultures and helps you make lifelong friends.

**Why German?**

Recent research confirms that English is regarded as a basic skill in Europe and we must be able to communicate in another language to have a competitive edge in a global economy. Here are few reasons why it should be German:

- Germany has the third largest economy in the world and has the largest economy in Europe.
- It is the most important trading partner for almost all European and numerous non-European countries.
- It is the second largest exporter in the world.
- Today German is spoken by more than 120 million people worldwide.
- In many countries, Germans account for the largest percentage of tourists. A good knowledge of German is important in the tourist industry.
- German is the second most frequently used language in which to write a work of scientific research, especially engineering, chemistry and physics.
- Germany is a world leader in engineering, renewable energy, pharmaceutical and chemical industries as well as automobile production.
- Graduates of German have higher rates of employment and earn more than people who do not speak German.

***Please note, that the more prestigious universities in the UK, including some in Scotland require a ML as a general entry requirement and that it is beneficial for young people to have a ML if they are considering going into primary teaching.***



## NATIONAL 5

### **Aims of the Course**

- To provide learners with the opportunity to develop receptive (reading and listening) and productive (writing and talking) skills in German, and to develop their knowledge and understanding of German-speaking culture through the contexts of society, learning, employability and culture.
- To develop a range of skills to support learners in the workplace, such as writing a CV, job applications, preparing for interview, organisational skills and time management.
- To contribute towards the development of literacy skills by providing learners with opportunities to read, listen, talk and write in German, and to reflect on how this relates to English, as well as a growing awareness of grammar

**Entry level recommended:** Pass at National 4 German, but also open for beginners.

**Course content:** Students will develop detailed knowledge of German using the contexts of society, learning, education and employability. In addition, learning experiences in modern languages develop and enhance the essential skills of literacy, personal and interpersonal skills, communication and ICT skills, and working with others.

Topics covered at National 5, include: friends and family; healthy living and free time; school and future plans; the world of work; local area as a tourist destination; holidays; media and technology.

Key features of learning and teaching are:

- Real communication in relevant contexts, supported by ICT
- An emphasis on how languages work
- Maximum use of modern languages in the classroom
- A focus on culture and international education

**Assessment:** Each piece of work builds an overall understanding of students' progress and assessment is ongoing and formative, supporting learning throughout the session. Students are required to sit an exam at the end of the year. The exam consists of:

<b>Reading (25%)</b>	<b>Writing (12.5%)</b>	<b>Listening (25%)</b>
<b>Talking (25%)</b>	<b>Assignment (12.5%)</b>	



## HIGHER

Higher German is a one-year course with an emphasis on developing and applying the skills of talking, listening, reading and writing. The course builds on the National 5 qualification and looks at a wider range of topics which affect young people both in the German-speaking world and here in Scotland.

**Entry level recommended:** Pass at National 5 German.

**Course content:** Pupils will develop detailed knowledge of German using the same contexts as National 5: society, learning, education and employability.

**Topics covered at Higher, include:** relationships and family patterns; lifestyles and issues affecting young people; impact of the digital age; education and future plans; preparing for the world of work; working abroad, travelling and taking a gap year; living in a multicultural society.

In addition, learning experiences in modern languages develop and enhance the essential skills of literacy, personal and interpersonal skills, communication and ICT skills, and working with others. Key features of learning and teaching are:

- Real communication in relevant contexts, supported by ICT
- An emphasis on how languages work
- Maximum use of modern languages in the classroom
- A focus on culture and international education

**Assessment:** The course assessment (exam) will consist of three components:

- **Paper 1** Reading (25%) and Directed Writing (12.5%) paper
- **Paper 2** Listening (25%) paper
- **Performance** Talk (25%)

There is also a Writing Assignment which is worth 12.5% of the total mark.



## **ADVANCED HIGHER**

Advanced Higher German is a one-year course which further develops and applies the skills of talking, listening, reading and writing. The course builds on the Higher qualification and looks at a wider range of global issues which affect young people both in the German-speaking world and here in Scotland.

**Entry level recommended:** Pass at Higher German.

**Course content:** Pupils will develop detailed knowledge of German using the same contexts as Higher: society, learning, education and employability.

**Topics covered at Advanced Higher, include:** the environment and climate change; immigration; the changing role of families; equality and human rights; career paths; higher education and lifelong learning; the world of work and volunteering; politics and democracy; societal issues.

We will also read a piece of German literature called Der Besuch der alten Dame by Friedrich Dürrenmatt.

In addition, learning experiences in modern languages develop and enhance the essential skills of literacy, personal and interpersonal skills, communication and ICT skills, and working with others. Key features of learning and teaching are:

- Real communication in relevant contexts, supported by ICT
- An emphasis on how languages work
- Maximum use of modern languages in the classroom
- A focus on culture and international education
- Independent learning
- Research skills
- Literature and media

**Assessment:** The course assessment (exam) will consist of three components:

- **Paper 1** Reading (15%) and Translation (10%) paper
- **Paper 2** Listening (15%) and Discursive Writing (20%) paper
- **Performance** Talk (25%)
- **Portfolio** Essay (15%)



## Why Spanish?

Here are few reasons why it should be Spanish:

- Spanish is the 4<sup>th</sup> most spoken language in the world and is the official language of 21 countries with over 400 million speakers
- Allows you to develop a greater appreciation of Spanish culture, including music, literature, theatre and film
- Many people go to Spain on holiday
- Spain has the 14<sup>th</sup> largest economy in the world and the 5<sup>th</sup> largest in the EU
- It is the second largest exporter in the world.
- Spain is a world leader in tourism, hospitality, textiles and chemical industries as well as automobile production.

***Please note, that the more prestigious universities in the UK, including some in Scotland require a ML as a general entry requirement and that it is beneficial for young people to have a ML if they are considering going into primary teaching.***

## NATIONAL 5

### Aims of the Course

- To provide learners with the opportunity to develop receptive (reading and listening) and productive (writing and talking) skills in Spanish, and to develop their knowledge and understanding of Spanish-speaking culture through the contexts of society, learning, employability and culture.
- To develop a range of skills to support learners in the workplace, such as writing a CV, job applications, preparing for interview, organisational skills and time management.
- To contribute towards the development of literacy skills by providing learners with opportunities to read, listen, talk and write in Spanish, and to reflect on how this relates to English, as well as a growing awareness of grammar

**Entry level recommended:** Pass at National 4 Spanish, but also open for beginners.

**Course content:** Students will develop detailed knowledge of Spanish using the contexts of society, learning, education and employability. In addition, learning experiences in modern languages develop and enhance the essential skills of literacy, personal and interpersonal skills, communication and ICT skills, and working with others.

Key features of learning and teaching are:

- Real communication in relevant contexts, supported by ICT
- An emphasis on how languages work
- Maximum use of modern languages in the classroom
- A focus on culture and international education

Topics covered at National 5, include: friends and family; healthy living and free time; school and future plans; the world of work; local area as a tourist destination; holidays; media and technology.





**Assessment:** Each piece of work builds an overall understanding of students' progress and assessment is ongoing and formative, supporting learning throughout the session. Students are required to sit an exam at the end of the year. The exam consists of:

**Reading (25%)      Writing (12.5%)      Listening (25%)**  
**Talking (25%)      Assignment (12.5%)**

### HIGHER

Higher Spanish is a one-year course with an emphasis on developing and applying the skills of talking, listening, reading and writing. The course builds on the National 5 qualification and looks at a wider range of topics which affect young people both in the Spanish-speaking world and here in Scotland.

**Entry level recommended:** Pass at National 5 Spanish or Pass at Higher German.

**Course content:** Pupils will develop detailed knowledge of Spanish using the same contexts as National 5: society, learning, education and employability.

**Topics covered at Higher, include:** relationships and family patterns; lifestyles and issues affecting young people; impact of the digital age; education and future plans; preparing for the world of work; working abroad, travelling and taking a gap year; living in a multicultural society.

In addition, learning experiences in modern languages develop and enhance the essential skills of literacy, personal and interpersonal skills, communication and ICT skills, and working with others. Key features of learning and teaching are:

- Real communication in relevant contexts, supported by ICT
- An emphasis on how languages work
- Maximum use of modern languages in the classroom
- A focus on culture and international education

**Assessment:** The course assessment (exam) will consist of three components:

- **Paper 1**            Reading (25%) and Directed Writing (12.5%) paper
- **Paper 2**            Listening (25%) paper
- **Performance**    Talk (25%)

There is also a **Writing Assignment** which is worth 12.5% of the total mark.





### **MODERN LANGUAGES FOR LIFE AND WORK**

The Modern Languages for Life and Work Award is a one-year course provides pupils with the opportunity to develop languages and leadership skills while following their own interests in a cultural context. Language skills will focus on every day, transactional language with a focus on talking and listening. Pupils will also gain a greater understanding of their own and other cultures by comparing aspects of life in different countries. There will also be an emphasis on developing employability skills, such as preparing for interview, responding to job adverts and writing letters of application and a CV.

#### **Entry level recommended:**

**Level 4:** Open to beginners or those who have completed the BGE course.

**Level 5:** Pass at N4 German or Spanish or Pass at Modern Languages for Life and Work at Level 4. Some pupils may be able to crash this level at the discretion of the Principal Teacher.

**Level 6:** Grade D/C at National 5 German or Spanish or a Pass at Modern Languages for Life and Work at Level 5.

Course Structure: There are three units in this course:

- Leadership: an introduction
- German for Life
- German for Work Purposes

**Course content:** Pupils will develop detailed knowledge of Spanish using the same contexts as National 5: society, learning, education and employability.

**Topics covered in the Life Unit:** family and friends, healthy living, media, hobbies and interesting, hometown, shopping, food and drink, special events and traditions, school and holidays.

**Topics covered in the Work Purposes Unit:** personal details, skills and qualities, time, money, part-time jobs, transport, directions, future plans, work experience and formal communication.

**Topics covered in the Leadership Unit:** gathering information, producing a report, reaching conclusions, carrying out a self-evaluation, identifying what needs to be done for an activity, identifying risks, working with others, monitoring progress, adapting to changes, reviewing the success of an activity and reaching conclusions about yourself as a leader.

In addition, learning experiences in modern languages develop and enhance the essential skills of literacy, personal and interpersonal skills, communication and ICT skills, and working with others. Key features of learning and teaching are:



- Real communication in relevant contexts, supported by ICT
- An emphasis on how languages work
- Maximum use of modern languages in the classroom
- A focus on culture and international education

**Assessment:** The course will be assessed internally and there is no final exam.

Life Reading and Listening

Work Purposes Writing and Talking

Leadership Portfolio project



**PERFORMING ARTS FACULTY**  
**DRAMA : HIGHER**

**What will I learn/What are the aims of this course**

This course is designed for anyone who has an interest in Drama, whether from an academic, vocational or personal point of view or a combination of these. It is designed to give you knowledge and understanding of many aspects of theatre, including an appreciation of theatre forms and styles, theatre practitioners and drama plays/scripts. In addition, the course aims to develop your skills and increase your experience of theatrical performance, as well as develop knowledge of the social/historical/theatrical contexts of plays. You will develop your self-awareness, self-confidence and social and communication skills.

**What are the recommended entry levels for this course?**

- **National 5 Drama pass preferably at grade A**
- **National 5 English is desirable**

Higher Drama develops pupils' knowledge and understanding of theatre, focusing on acting, directing and group work skills. The course consists of two compulsory units:

**1. Drama Skills** – practical group work where a significant theme or issue is explored to create a performance piece. Individuals take on a director's responsibility for a section of the devised production, which is performed in front of an audience. They will also learn how to develop characters in a range of ways and develop understanding of form, structure, genre and style when creating and presenting drama. Learners will develop knowledge and understanding of the social and cultural influences on drama. They will also learn how key evaluation skills.

**2. Production Skills** – learners will perform in a group production, where they can choose to be assessed on their acting skills or on their performance of a theatre production/theatre arts role.

**What skills will I develop?**

- responding to text, including stimuli, when creating drama
- developing knowledge and understanding of social and cultural influences when creating drama
- exploring drama form, structure, genre and style
- gaining knowledge and understanding of production skills e.g. lighting, sound, costume, make-up
- working with others to share and use drama ideas and to use production skills when presenting.
- using evaluative skills within the creative process

**What learning and teaching approaches will I experience?**

You will experience working both in the Drama Studio for practical work and in the classroom for theory work. You will encounter a mixture of classroom practice in Drama: direct teaching; pair and group work; whole class discussion and independent research.

**How will I be assessed?**

Pupils will sit an SQA written examination paper (40% of final grade) and an examination performance (60% of final grade) which is assessed by a visiting SQA examiner. The Drama Skills and Production Skills component units of the course are assessed internally by the teacher and verified by the SQA.

**What are the homework requirements?**

The course requires a significant amount of study time in and out of school. Assignments will vary according to the unit of work and will include essays, evaluations, background reading and research, learning lines, drawing plans and performance rehearsals.

Career prospects:

- Actor
- Stage manager.
- Arts administrator.
- Teaching – Secondary/Primary
- Television production
- Radio
- Law
- Community Arts
- PR/Marketing

**MUSIC: NATIONAL 5****PERFORMING**

You will prepare an 8 minute programme of pieces on 2 Instruments. Progress is monitored on a weekly basis and you will develop your solo performing skills in regular class performances.

**UNDERSTANDING MUSIC**

You will learn how to listen to various styles and aspects of Music critically and in depth. Topic-based learning will enable you to gather a broad knowledge of

musical concepts and styles. You will learn how to identify concepts in different excerpts of music and how to answer different styles of questions.

You will develop your composition skills by writing a piece of music or a song in a style of your choice. Music notation and recording software will be used to create your final piece of music.

The **N5 Music Course Award** requires three formal external Assessments:

**Performing Exam** – perform your complete 8 minute programme to a Visiting SQA Examiner.



**Listening Exam** – a 45 minute Listening Paper where you answer a series of questions on played examples of Music from the Baroque Period to the present day.

**Composition Folio** – a piece of music or a song which you have written is submitted to the SQA for external marking.

## MUSIC: HIGHER

### PERFORMING

You will prepare a 12 minute programme of pieces on two Instruments. Progress is monitored on a weekly basis and you will develop your solo performing skills in regular class performances.

### UNDERSTANDING MUSIC

You will develop your awareness of various styles and aspects of Music and gain experience listening critically and in depth. Topic-based learning will enable you to gather a broad knowledge of musical concepts and styles. You will learn how to identify concepts in different excerpts of music and how to answer different styles of questions. The Listening Course is based on a chronological look at all aspects of Music from the Renaissance Period to the present day.

You will develop your composition skills by writing a piece of music or a song in a style of your choice. Music notation and recording software will be used to create your final piece of music.

The **Higher Music Course Award** requires three formal external Assessments:

**Performing Exam** – perform your complete 12 minute programme to a Visiting SQA Examiner.

**Listening Exam** – a 1 hour Listening Paper where you answer a series of questions on played examples of Music from the Renaissance Period to the present day.

**Composition Folio** – a piece of music or a song which you have written is submitted to the SQA for external marking.



## **MUSIC: ADVANCED HIGHER**

### **PERFORMING**

You will prepare an 18 minute programme of pieces on two Instruments. Progress is monitored on a weekly basis and you will develop your solo performing skills in regular class performances.

### **UNDERSTANDING MUSIC**

You will develop your awareness of various styles and aspects of Music and gain experience listening critically and in depth. Topic-based learning will enable you to gather a broad knowledge of musical concepts and styles. You will learn how to identify concepts in different excerpts of music and how to answer different styles of questions. The Listening Course is based on a chronological look at all aspects of Music from the Renaissance Period to the present day.

You will develop your composition skills by writing a piece of music or a song in a style of your choice. Music notation and recording software will be used to create your final piece of music.

The **Advanced Higher Music Course Award** requires three formal external Assessments:

**Performing Exam** – perform your complete 18 minute programme to a Visiting SQA Examiner.

**Listening Exam** – a 90-minute Listening Paper where you answer a series of questions Music from the Renaissance Period to the present day.

**Composition Folio** – a piece of music or a song which you have written is submitted to the SQA for external marking.



## SCIENCE FACULTY

### ENVIRONMENTAL SCIENCE

#### **What will I learn?**

Environmental science is the study of living organisms and their impact on the environment.

The course consists of three main topic areas:

#### **Environmental Science: Living Environment**

- Investigating ecosystems and human influences on biodiversity.

#### **Environmental Science: Earth's Resources**

- An overview of Earth systems and their interactions

#### **Environmental Science: Sustainability**

- An introduction to sustainability; food; water; energy and waste management.

#### **How will I be assessed?**

All units are internally assessed against the requirements shown in unit specifications and will be assessed as pass/fail.

SQA will provide rigorous external quality assurance, including external verification, to ensure assessment judgments are consistent and meet national standards.

#### **Career possibilities**

Environmental Science is a great choice of subject for people who want a career in environmental management and conservation, recycling, energy industry and animal welfare.

### ENGINEERING SCIENCE (N4 ONLY)

#### **What will I learn?**

Engineering is vital to everyday life; it shapes the world in which we live and its future. Engineering Science provides a broad introduction to engineering and brings together elements of technology, science and mathematics, and applies these to real world challenges.

The course consists of three main topic areas:

#### **Electronics and Control**

- Introduces engineering concepts, problems and solutions
- Investigate some existing and emerging technologies and challenges
- Implications relating to the environment, sustainable development, and, economic and social issues.

#### **Electronics and Control**

- Investigate concepts and devices used in analogue and digital electronic control systems



- Develop problem solving skills through simulation, practical projects and investigative tasks

### **Mechanisms and Structures**

- Develop a basic understanding of simple mechanisms and structures
- Develop problem solving skills through simulation, practical projects and investigative tasks
- 

### **How will I be assessed?**

Pupils at National 4 will need to pass all unit outcomes for each of the three units as well as completing an Added Value Unit which consists of a report on a piece of independent research. These will be assessed internally on a pass/fail basis. There is no external assessment in N4 engineering science.

## **HEALTH SECTOR (Skills for Work course) (N4/5)**

### **What will I learn?**

The Health Sector is one of the largest employers in the country and provides employment opportunities through a varied range of disciplines. Health Sector: Skills for Work is a National Course which will give you a broad introduction to the Health Services industry whilst working towards a national recognised qualification.

- Gain an understanding of the importance of care values in working with people in a healthcare setting.
- Gain an insight into human development and its value in working with people.
- Develop an awareness of health and safety issues relevant to a range of activities
- Develop core and essential skills including communication and interpersonal skills.

The course consists of five units:

### **Working in the Health Sector – an introduction**

- Introduction to the health sector and explores its diversity.
- Learn about the range of provision and the extensive services provided by the health sector.
- Participate in practical activities which will help to develop knowledge and understanding of health sector environments.

### **Health Sector: Roles and Responsibilities**

- Introduction to the to the range and diversity of careers in the health sector.
- Learn about the importance of care values within the health sector
- Participate in a practical activity which will enable them to demonstrate these in a health sector context.

### **Health Sector: Health Awareness**

- Basic introduction to the structures and functions of the main body systems.
- Produce advice in relation to the promotion of health.
- Participate in a practical activity which will help to develop knowledge and skills in taking a physiological measurement.

### **Health Sector: Working Safely**

- Carry out a risk assessment





- Identify possible hazards and risks, including risks relating to infection, in a setting within the health sector.
- Identify measures to minimise or eliminate these infections.
- Develop an awareness of responsibilities in maintaining a safe working environment.
- Participate in a practical activity which will help develop knowledge and understanding of infection control measures.

### **Health Sector: Life Sciences Industry**

- Introduction to the range of product types made by the life sciences industry and their application in the health sector.
- Participate in a practical activity which will help to develop knowledge and skills in the correct use of a biomedical device.

### **How will I be assessed?**

Pupils at National 4 and National 5 will need to pass all unit outcomes for each of the five units. Assessment will be based on a range of practical activities, written work to investigate resources and working in teams to producing presentations.

## **BIOLOGY: NATIONAL 5**

### **What will I learn?**

Biology is the study of living organisms. The study of biology aims to find solutions to many of the world's problems. Advances in technologies have made this varied subject more exciting and relevant than ever.

The course consists of three main topic areas:

#### **Cell Biology**

- Structure of cells – plant cells, animal cells, differences between cells and their environment, osmosis, active transport
- New cells – mitosis
- Genetic information – DNA, mRNA, proteins, enzymes' functions in living cells, and genetic information
- Chemical energy in cells – photosynthesis, chlorophyll, ATP, limiting external factors, respiration, ADP, stored and released energy, aerobic and anaerobic pathways

#### **Multicellular Organisms**

- Cells in organisms – different cell types, production of specialised cells in plants and animals
- Control and communication – central nervous system structure and function, homeostasis
- Reproduction and inheritance – mammals and flowering plants, inheritance characteristics
- Transport in multicellular organisms – transport systems in plants and animals, osmosis, circulatory system, digestive system and enzymes
- Health – white blood cells, antibodies, vaccinations, and lifestyle choices

#### **Life on Earth**

- Interdependence of organisms at local and global levels
- Adaptations for survival



- Factors affecting distribution of organisms

### **How will I be assessed?**

Pupils at National 5 will sit an external SQA exam – which provides 80% of their overall award.

The Assignment will provide 20%. The National 5 award will be graded A – D.

The purpose of this assignment is to assess the application of skills of scientific investigation/research and the impact of applications to society/the environment, by carrying out a meaningful and appropriately challenging task in biology and communicating the findings.

## **CHEMISTRY: NATIONAL 5**

### **What will I learn?**

Chemistry is the study of matter and its interactions. Chemistry looks at the links between elements, compounds and reactions that develop our understanding of Chemistry in everyday contexts. Chemical research and development is essential for the introduction of the new products to our lives.

The course consists of three main topic areas:

### **Chemical Changes and Structure**

- Develop scientific skills and knowledge of chemical reactions
- Investigate rates of reaction, energy changes of chemical reaction, and the reactions of acids and bases and their impact on the environment
- Research atomic structure and bonding related to properties of materials.

### **Nature's Chemistry**

- Research the Earth's rich supply of natural resources
- Investigate how fossil fuels are extracted and processed for use, including the chemistry of using fuels and their effect on the environment
- Explore plants as a source of fuels, carbohydrates and consumer products
- Find out how chemists use plants in the development of everyday products.

### **Chemistry in Society**

- Investigate the chemical reactions, properties and applications of metal and alloys
- Compare and contrast the properties and applications of plastics and new materials
- Investigate the use of fertilisers, the formation of elements, and the presence of background radiation
- Research the use of chemical analysis for monitoring the environment.

### **How will I be assessed?**

Pupils at National 5 will sit an external SQA exam – which provides 80% of their overall award.

The Assignment will provide 20%. The National 5 award will be graded.

The purpose of this assignment is to assess the application of skills of scientific investigation/research and the impact of applications to society/the environment, by



carrying out a meaningful and appropriately challenging task in chemistry and communicating the findings.

### **PHYSICS: NATIONAL 5**

#### **What will I learn?**

Physics is the study of the underlying nature of our world and its place in the Universe. From the sources of the power we use, to the exploration of space, it covers a range of applications of the relationships that have been discovered through experiment and mathematical calculations, including those used in modern technology.

The course consists of three main topic areas:

#### **Physics: Electricity and Energy**

- Deepen your understanding of the applications of electricity and energy, and the implications of this for society and the environment
- Learn about the key areas of energy transfer, heat and the gas laws.

#### **Physics: Waves and Radiation**

- Increase your knowledge of the applications of waves and radiation and the implications of this for society and the environment
- Investigate the key areas of waves and nuclear radiation.

#### **Physics: Dynamics and Space**

- Learn more about the applications of dynamics and space and the implications of this for society and the environment
- Investigate the key areas of kinematics, forces and space.

#### **How will I be assessed?**

Pupils at National 5 will sit an external SQA exam – which provides 80% of their overall award.

The Assignment will provide 20%. The National 5 award will be graded.

The purpose of this assignment is to assess the application of skills of scientific investigation/research and the impact of applications to society/the environment, by carrying out a meaningful and appropriately challenging task in physics and communicating the findings.



## HUMAN BIOLOGY : HIGHER

### What will I learn?

Biology is the study of living organisms. The study of biology aims to find solutions to many of the world's problems. Advances in technologies have made this varied subject more exciting and relevant than ever. The Higher Human Biology course is essentially a logical continuation of the work covered in the National 5 Biology course but it is of a more rigorous nature.

The course consists of three main topic areas:

- **DNA and the Genome** - structure and replication of DNA, gene expression and genomics.
- **Metabolism and Survival** - maintaining metabolism and metabolism in microorganisms.
- **Sustainability and Interdependence** - science of food production, interdependence and biodiversity.

### How will I be assessed?

Pupils at Higher will sit an external SQA exam – which provides 100 marks of their overall award.

The Assignment will provide a further 20 marks. (Higher total is 120 marks).

The Higher award will be graded A to D.

The purpose of this assignment is to assess the application of skills of scientific investigation/research and the impact of applications to society/the environment, by carrying out a meaningful and appropriately challenging research task in biology and communicating the findings.

## CHEMISTRY : HIGHER

### What will I learn?

Chemistry is the study of matter and its interactions. Chemistry looks at the links between elements, compounds and reactions that develop our understanding of Chemistry in everyday contexts. Chemical research and development is essential for the introduction of the new products to our lives. The Higher Chemistry course is essentially a logical continuation of the work covered in the National 5 Chemistry course but it is of a more rigorous nature.

The course consists of four main topic areas:

- **Chemical Changes and Structure** - Reaction rates, energy in chemistry, bonding and properties, patterns in the periodic table, the mole
- **Chemistry in Society** - Fuels, chemical families, polymers, natural products, reaction yields
- **Natures Chemistry** - The chemical industry, acidity, equilibrium, redox, Radioactivity



- **Researching Chemistry** - research and an investigation on topics studied within the course.

### How will I be assessed?

Pupils at Higher will sit an external SQA exam – which provides 100 marks of their overall award.

The Assignment will provide a further 20 marks. (Higher total is 120 marks).

The Higher award will be graded A to D.

The purpose of this assignment is to assess the application of skills of scientific investigation/research and the impact of applications to society/the environment, by carrying out a meaningful and appropriately challenging research task in chemistry and communicating the findings.

## PHYSICS : HIGHER

### What will I learn?

Physics is the study of the underlying nature of our world and its place in the Universe. From the sources of the power we use, to the exploration of space, it covers a range of applications of the relationships that have been discovered through experiment and mathematical calculations, including those used in modern technology. The Higher Physics course is essentially a logical continuation of the work covered in the National 5 Physics course but it is of a more rigorous and mathematical nature.

The course consists of four main topic areas:-

This course has 4 units:

- **Particles and Waves** - quantum physics, standard model, nuclear reactions, wave duality, interference, diffraction and spectra.
- **Electricity** – electrical circuits, internal resistance, ac/dc and potential difference.
- **Our Dynamic Universe** - motion, forces, gravity, relativity and our expanding universe.
- **Researching Physics** – research and an investigation on topics studied within the course.

### How will I be assessed?

Pupils at Higher will sit an external SQA exam – which provides 100 marks of their overall award.

The Assignment will provide a further 20 marks. (Higher total is 120 marks).

The Higher award will be graded A to D.

The purpose of this assignment is to assess the application of skills of scientific investigation/research and the impact of applications to society/the environment, by carrying out a meaningful and appropriately challenging research task in physics and communicating the findings.



## **BIOLOGY/CHEMISTRY/PHYSICS: ADVANCED HIGHER**

Details available from the science department.

## **SCIENCE & HEALTH (Level 4) National Progression Award**

### **What will I learn?**

The National Progression Award in Science and Health at SCQF level 4 will provide you with knowledge and understanding of health science and technology, aspects of chemistry and physics of particular relevance to health science as well as practical laboratory skills in each area.

The NPA in Science and Health at SCQF level 4 has been designed to provide a qualification which will equip you with a range of skills and knowledge in key areas of science. These skills will be beneficial for progression to further qualifications and would also be considered as transferable skills that will travel with you wherever your future lies.

The course consists of five units:

### **Physics: Waves and Radiation**

This unit covers the key areas of wave characteristics, sound, electromagnetic spectrum and nuclear radiation. It includes details of medical applications of waves and radiation.

### **Nature's Chemistry**

This unit covers the key areas of fuels, hydrocarbons, everyday consumer products and plants for products. It includes details of health science applications such as medicinal chemistry and dietary considerations.

### **Science: Human Health**

This unit covers the key areas of what is health, threats to health, and health claims.

### **Science Practical Skills**

This unit is designed to introduce you to scientific practical techniques. The unit will develop your practical skills in performing scientific experiments and develop your skills in processing and reporting the results obtained.

### **Health Sector: Life Sciences Industries**

This unit will introduce you to the range of product types made by the life sciences industry and their application in the health sector. You will participate in a practical



activity which will help to develop knowledge and skills in the correct use of a biomedical device.

**How will I be assessed?**

The NPA in Science and Health at SCQF level 4 will be assessed via a combination of practical and knowledge assessments under closed- and open-book assessment conditions.



## EXTERNAL OPPORTUNITIES FOR SENIOR PUPILS:

### Foundation Apprenticeship

A Foundation Apprenticeship provides an exciting combination of learning on the job and gaining practical experience, whilst working towards an industry recognised qualification. They are available in wide range of industries such as Business, IT, Financial Services Tourism and Retail.

Who can do a Foundation Apprenticeship?

Anyone who is employed, aged 16 or over and living in Scotland could be a Modern Apprentice. MAs suit individuals who are:

- just leaving school.
- eager to enter the world of work.
- interested in achieving an industry recognised qualification, whilst getting paid.
- Starting on a new career path.
- This is a 2 year course for S5 pupils and 1 year for S6 (please note S6 pupils will study across 2 columns) Most universities are recognising this as a Higher A or B pass

For more information speak to the Careers Office or visit <http://www.myworldofwork.co.uk/>

### COLLEGE COURSES

New College Lanarkshire also works in partnership with school to provide a range of courses. The are usually delivered virtually with some in person learning opportunities. Courses provided range from SCQF Level 3 up to Level 7 HNC.

More details on college provision will be available later in the year as this is dependent on college availability.

### **Finally...**

...and most importantly, especially in these turbulent times, the most important thing in our options process is that we all support our young people are much as we can. Consider their strengths, their aspirations, where they are most successful and what they enjoy and if we support them in these choices we will create a strong foundation for a future life of work which all young people will enjoy.

**'Choose a job you love, and you will never have to work a day in your life'** Confucius.