Baldragon Academy

Choosing Courses in S4/5/6

Course Choice Information Booklet

2021-22

CONTENTS

INTRODUCTION

The senior phase represents the final three years of school. It builds on the Broad General Education, S1-S3 and provides you with opportunities to obtain qualifications as well as developing skills for learning life and work. You will be giving serious thought to the planning for a future career and the opportunities available to you at college or university. The purpose of this booklet is to provide a summary of the various opportunities that which are available to you in school at this time.

School-based courses

Advanced Higher

These courses are followed by pupils in S6 who have successfully completed a related Higher Grade course. They will be considering a university or college based course in a related area of study. A good Higher pass (A or B) in the subject is normally required to undertake an Advanced Higher. These courses are delivered at a variety of locations, dependent on the subject: Baldragon Academy; another Dundee school under a consortium/partnership arrangement; Dundee University (City Campus).

Higher

Courses for S5/6 pupils, leading to an award at Higher Grade are part of the programme of National Qualifications. These are pathways from National 5 qualifications.

National 5

Courses for pupils in S4 – S6. These courses allow pupils to study a subject beyond National 4 and usually have an end of year exam.

National 4

Mostly studied by pupils in S4 and a small number in S5. These are part of the programme of National Qualifications. There is no end of year exam.

Skills for Work courses

A small number of these courses can be studied in school, but they usually delivered by Dundee and Angus College. They are mostly at SCQF Level 4 and Level 5 (the equivalents of National 4 and National 5), but some are at levels 6 and 7.

National Progression Awards (NPAs)

A small number of these are available in school. These are studied on a modular basis and there is no end of year exam. They are mostly at SCQF levels 4 to 6.

Core

It is compulsory for all pupils in the senior phase to study PE, RE and PSE.

Wider Achievement

Pupils in S5/6 studying subjects at N4/5 level will have an additional period allocated for each to a nationally accredited skills qualification in learning, life and work.

All Students in S6 are able pick up a range of wider achievement options and awards.

School-College Partnership Courses

SQA/HNC Qualifications and Awards

A wide range of courses at SCQF Levels 4, 5, 6 and 7 are available for study on a Monday and Wednesday afternoon or a Tuesday and Thursday afternoon at Dundee and Angus College. These are mostly Skills for Work courses, National Progression Awards, HNCs and Professional Development Awards. They are open to all S4-6 students. You should be aware that these courses are vocational and there is limited progression for these awards in school.
Further information about these courses can be found in the School College Partnership Senior Phase Handbook.

Foundation Apprenticeships

Foundation Apprenticeships are offered at SCQF Level 6. There are one and two year models open to S5/6 which involves study on a Monday and Wednesday afternoon at Dundee and Angus College. S6 may undertake the same Foundation Apprenticeship over one year, attending college in the afternoons Monday to Thursday. Foundation Apprenticeships provide industry recognised qualifications in key sectors where there is a demand for skilled employees. Pupils may go direct to employment with the skills employers are looking for; earn a fast-track into a Modern or Graduate Apprenticeship or progress to college or university. All Foundation Apprenticeships are recognised as a Higher equivalent entry qualification.
Details of courses available are in the School College Partnership Senior Phase Handbook and Foundation Apprenticeships booklet.

Future Skills College

Future Skills College (FSC) is a full-time pre-apprenticeship pathway for those entering S5 or S6. Students stay on a school roll for their final year but attend D&A College full-time, four days a week in classes/workshops and with a fifth day on work placement with an employer.

For academic year 2021/22 the FSC course choice options are:

- Early Education/Childcare
- Joinery
- Plumbing
- Electrical

Students will also complete their school education/qualifications with a focus on literacy, numeracy and health. FSC students are also offered additional educational opportunities that support them to improve their life skills and employability.

The main aim of FSC is that students secure full-time employment at the end of the course as apprentices. FSC students who complete the course but do move into full-time employment are guaranteed a full-time course of study at D&A College.

All FSC students remain eligible for child benefit, EMA, free school meals and bus passes where appropriate.

Course Descriptors

ADMINISTRATION & IT - NATIONAL 4/5

Purpose and Aims

The key purpose of this course is to develop the administrative and IT skills of pupils. The skills developed will enable them to contribute to the functioning of organisations in the ever-changing business world of today.
A large part of the course will focus on the practical aspects of working in the administration areas of business today. Pupils will develop a range of generic and subject specific skills, including the ability to use a range of IT packages such as Word Processing, Spreadsheets, Databases, Desktop Publishing and PowerPoint together with the newer social media technologies such as Instant Messaging and Blogs.

Units

NATIONAL 4

- Administrative Practices
- IT Solutions for Administrators
- Communication in Administration
- In addition, pupils will complete an "Added Value" unit. This unit will involve pupils undertaking practical administration and IT based tasks to organise and support a small-scale event.

NATIONAL 5

- Theory
- IT Applications

Assessment

NATIONAL 4

- Assessment of the 3 main units
- Completion of the 'added value' unit
- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

NATIONAL 5

- Component 1 – Question Paper (50 marks) undertaken during exam diet in May/June
- Component 2 – Assignment (70 marks) completed in class time and sent to SQA for marking
- Final award graded A to D

Homework

All pupils will be expected to complete homework on a regular basis in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading and research tasks.

Progression

Success in National 4 could lead to National 5 Administration & IT.
Success in National 5 could lead to Higher Administration & IT.

Career paths

Administration & IT can lead to a wide range of courses at college and university and a variety of careers in the business world in offices, banks, medical practices, accountants and solicitors' offices

ADMINISTRATION & IT - HIGHER

Purpose and Aims

The Higher Administration and IT Course develops learners' advanced administrative and IT skills and enables them to contribute to the effective functioning of organisations in supervisory administrative positions.

*Units/Course Content

The course consists of 2 units -

- Administrative Theory and Practice
- IT Solutions Applications

Internal unit assessments will be carried out regularly.

*Assessment

The Administration & IT course will be assessed through the use of 2 components –

Component 1

- question paper (50 marks)
- the Question paper will be set and marked by the SQA and will cover the knowledge and understanding section of the course
- the question paper is sat during the exam diet in May/June

Component 2

- assignment (70 marks)
- the assignment will be set by SQA, although completed under supervision in school and then sent to SQA for marking.

Content and Assessment are subject to change by SQA

Homework

Issued on a regular basis and will consist of written and/or research exercises.

Progression

Further study for qualifications in administration (or related business areas) at further and higher education establishments.

Career Paths

A wide range of administrative jobs in local, national and international businesses from administrative clerks to personal assistants.

ART AND DESIGN - NATIONAL 4

Purpose and Aims

The purpose of this course is to develop pupils' skills, confidence, knowledge and understanding in a wide range of art and design areas. Through successful completion of this course, learners will develop a range of important and transferrable skills. In addition to developing their own skills using a wide range of media, they will develop their understanding and appreciation of other artists and designers' work. Pupils will be reflective of their own development through self-evaluation. They will also be supported in developing their research and communication skills.

Units

Pupils will study two main units. They can choose the areas of study within the two units:

- **Expressive** (*options include portraiture, still life and landscape*)
- **Design** *(options include graphics, jewellery, textiles, fashion and product design)*

In addition, they will complete an 'Added Value' unit. This involves producing a 'folio' of final pieces of expressive and design work that is inspired by the coursework developed throughout the two main units. Pupils will also study the work of other artists and designers.

Assessment

- Unit by unit assessment of 2 main units
- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include researching and developing ideas through drawing and other media.

Progression

Success in National 4 could lead to National 5 Art and Design.

Career Paths

Art and Design can lead to a wide range of courses at college and university and a variety of careers such as:

Animation	*Game design*	*Jewellery Design*
Architecture	*Graphic Design*	*Product Design*
Costume and Theatre Design	*Illustration*	*Sculpture*
Fashion Design	*Interior Design*	*Teaching*

ART AND DESIGN - NATIONAL 5

Purpose and Aims

The purpose of this course is to develop pupils' skills, confidence, knowledge and understanding in a wide range of art and design areas. Through successful completion of this course, learners will develop a range of important and transferrable skills. In addition to developing their own skills using a wide range of media, they will develop their understanding and appreciation of other artists and designers' work. Pupils will be reflective of their own development through self-evaluation. They will also be supported in developing their research and communication skills.

Folios

Pupils will create two folios of work. The folios are worth 80 % of the overall National 5 Art and Design award. Pupils will select their areas of study for the two folios.

- **Expressive Folio** (*options include: portraiture, still life and landscape*)
- **Design Folio** *(options include: graphic design, jewellery, textiles, fashion and architecture)*

Written Exam

The written exam requires pupils to study and analyse works by a range of artists and designers. The exam lasts 90 minutes and is worth 20% of the overall National 5 award.

Assessment

- Expressive and Design Folios sent to SQA in May for external assessment
- 90 minute SQA written exam analysing the work of studied artists and designers
- Final award graded A to D

Homework

All pupils will complete homework in order to reinforce and develop learning, understanding and skills. Homework will include researching and developing ideas through drawing and other media. Pupils will also receive written homework and revision tasks for practice exam questions.

Progression

Success in National 5 could lead to Higher Art and Design.

Career Paths

Art and Design can lead to a wide range of courses at college and university and a variety of careers such as:

Animation	*Game design*	*Jewellery Design*
Architecture	*Graphic Design*	*Product Design*
Costume and Theatre Design	*Illustration*	*Sculpture*
Fashion Design	*Interior Design*	*Teaching*

ART AND DESIGN - HIGHER

Purpose and Aims

The purpose of this course is to further develop pupils' skills, confidence, knowledge and understanding in a wide range of art and design areas. Through successful completion of this course, learners will develop a range of important and transferrable skills. In addition to developing their own skills using a wide range of media, they will further develop their understanding and appreciation of other artists and designers' work. Pupils will be reflective of their own development through self-evaluation. They will also be supported in developing their research and communication skills.

Folios

Pupils will create two folios of work. The folios are worth 73% of the overall Higher Art and Design award. Pupils will select their areas of study for the two folios:

- **Expressive** (options include: portraiture, still life, landscape and built environment)
- **Design** (options include: graphic design, jewellery, architecture, textiles, fashion and product design)

Written Exam

The written exam involves studying and analysing the work of a range of artists and designers. This exam is worth 27% of the overall award and lasts 2 hours.

Assessment

- Expressive and Design folios sent to SQA in May for external assessment
- 2-hour SQA written exam analysing the work of artists and designers
- Final award graded A to D

Homework

All pupils will complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include researching and developing ideas through drawing and other media. Pupils will also receive written homework and revision tasks for practice exam questions.

Progression

Success at Higher could lead to Advanced Higher Art and Design. There are also a wide range of Art and Design courses on offer at Dundee College at HNC and HND levels.

Career paths

Art and Design can lead to a wide range of courses at college and university and a variety of careers such as:

Animation
Architecture
Costume and Theatre Design
Fashion Design
Game design
Graphic Design
Illustration
Interior Design
Jewellery Design
Product Design
Sculpture
Teaching

ART AND DESIGN - ADVANCED HIGHER (DESIGN)

Please note that there are two Advanced Higher courses available in the Art department. Advanced Higher (Expressive Art) is a separate course. Pupils may opt to study both courses; this must be first discussed with their Art teacher. This requires a large amount of work, however, would create a strong folio for anyone considering applying to Art College.

Purpose and Aims

The purpose of this course is to further develop pupils' skills, confidence, knowledge and understanding in a selected area of Design. Through successful completion of this course, learners will develop a range of important and transferrable skills. In addition to developing their own skills using a wide range of media, they will further develop their understanding and appreciation of other designers' work. Pupils will be reflective of their own development through self-evaluation. They will also be supported in developing their research and communication skills.

Coursework

Pupils choose one area of Design for their coursework. They produce a large folio of work that develops a range of ideas of personal interest. Options include:

- Jewellery
- Textiles
- Fashion
- Graphic Design
- Illustration
- Product Design
- Architecture

Pupils also write a 2000-word essay that analyses the work and influences of a designer who works within their chosen area of design.

Assessment

- Folio of work sent to SQA for external assessment.
- 2000 word essay sent to SQA for external assessment
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include researching and developing ideas through drawing and other media. Pupils will also research their essays and write draft versions for homework.

Progression

Success at Advanced Higher level could lead to applications to Art Colleges for degree courses in a range of Art and Design specialisms. There are also a wide range of Art and Design courses on offer at Dundee College at HNC and HND levels.

Career paths

Art and Design can lead to a wide range of courses at college and university and a variety of careers such as:

Animation
Architecture
Costume and Theatre Design
Fashion Design
Game design
Graphic Design
Illustration
Interior Design
Jewellery Design
Product Design
Sculpture
Teaching

ART AND DESIGN - ADVANCED HIGHER (EXPRESSIVE ART)

Please note that there are two Advanced Higher courses available in the Art department. Advanced Higher (Design) is a separate course. Pupils may opt to study both courses; this must be first discussed with their Art teacher. This requires a large amount of work, however would create a strong folio for anyone considering applying to Art College.

Purpose and Aims

The purpose of this course is to further develop pupils' skills, confidence, knowledge and understanding in a selected area of Expressive Art. Through successful completion of this course, learners will develop a range of important and transferrable skills. In addition to developing their own skills using a wide range of media, they will further develop their understanding and appreciation of other artists work. Pupils will be reflective of their own development through self-evaluation. They will also be supported in developing their research and communication skills.

Coursework

Pupils choose one area of study within the Expressive Arts. They produce a large folio of work that develops ideas of personal interest. Options include:

- Portraiture
- Still Life
- Landscape
- Built Environment

Pupils also write a 2000 word essay that analyses the work of artists who work within their chosen area of study.

Assessment

- Folio of work sent to SQA for external assessment.
- 2000 word essay sent to SQA for external assessment
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include researching and developing ideas through drawing and other media. Pupils will also research their essays and write draft versions for homework.

Progression

Success at Advanced Higher level could lead to applications to Art Colleges for degree courses in a range of Art and Design specialisms. There are also a wide range of Art and Design courses on offer at Dundee College at HNC and HND levels.

Career paths

Art and Design can lead to a wide range of courses at college and university and a variety of careers such as:

Animation
Architecture
Costume and Theatre Design
Fashion Design
Game design
Graphic Design
Illustration
Interior Design
Jewellery Design
Product Design
Sculpture
Teaching

BIOLOGY - NATIONAL 4/5

Why study Biology?

Biology is a fascinating subject to study and can lead on to a variety of rewarding career paths. Biology is the 'science of life' and as such involves the study of areas such as animals, people and plant life.

Purpose and Aims

The aims of the course are to develop

- knowledge and understanding of biology
- an understanding of biology's role in scientific issues and relevant applications of biology in society and the environment
- scientific inquiry and investigative skills
- the use of technology, equipment and materials in practical scientific activities

Units

There are 4 main units

- Cell Biology
- Multicellular Organisms
- Life on Earth

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading, research and IT based tasks.

Assessment	National 4	National 5
Unit assessment	Investigation, written questions and problem solving	Assignment 20 %
Added Value Unit	Open book Investigation on a biological topic. No more than 1.5 hours to present information previously gathered.	Exam 80% of final mark.
SQA exam	No exam. Grade awarded - pass or fail	Grade awarded A-D

Progression

Success in National 4 could lead to National 5 Biology or National 4 in other science subjects.

Success in National 5 could lead to Higher Biology or National 5 in other science subjects.

Career paths

Biology can lead to a wide range of courses at college and university and a variety of careers such

Doctor *Nurse* *Teacher* *Research scientist* *Environmentalist*
Vet *Forensic Scientist* *Laboratory technician* *Marine Biologist* *Dentist*

BIOLOGY - HIGHER

Higher Biology and Higher Human Biology are considered to be the same subject by universities therefore it is advisable to study only one of these courses.

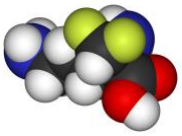
Why study Biology?

Biology is a fascinating subject to study which can lead to a variety of rewarding career paths. Biology is the 'Science of life' and as such involve the study of animals, people and plant life.

Purpose and Aims

The aims of the course are to develop

- A deeper understanding of Biology
- The learners' interest and enthusiasm for Biology
- Scientific inquiry and investigative skills
- The use of technology, equipment and materials
- Skills of independent working



Units

There are 3 main units

- DNA and the Genome
- Metabolism and Survival
- Sustainability and Interdependence

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercise, reading notes and research tasks

Assessment

Unit Assessment	Investigation, written questions and problem solving
Added Value unit	Open book Investigation on a Biological topic. 2 hours to present information previously gathered. This is worth 20 marks towards final grade.
SQA Exam	Exam - Grade awarded A – D. This is worth 120 marks towards final grade.

Progression

Success in Higher Biology could lead to Advanced Higher Biology or Higher in other Science subjects. It could also lead to further qualifications in Biology or related areas.

Career Paths

Biology can lead to a wide range of courses at college and university and a variety of careers such as:

Doctor	*Nurse*	*Teacher*	*Research scientist*
Marine Biologist	*Vet*	*Forensic scientist*	*Laboratory technician*
Dentist			

BIOLOGY – ADVANCED HIGHER

Any pupils interested in studying this subject at Advanced Higher level should see Mrs Macdonald, PT Biology.

Why study Biology?

Biology is a fascinating subject to study which can lead to a variety of rewarding career paths. Biology is the 'Science of life' and as such involve the study of animals, people and plant life.

Purpose and Aims

The aims of this Course are to:

- develop a critical understanding of the role of biology in scientific issues
- extend and apply knowledge, understanding and skills of biology
- develop and apply the skills to plan, carry out and evaluate complex practical scientific activities
- extend and apply problem solving skills in a biology context
- further develop an understanding of scientific literacy, using a wide range of resources, in order to communicate complex ideas and issues and to make scientifically informed choices
- extend and apply skills of independent working in biology

Units

There are 3 main units

- Cells and Proteins
- Organisms and Evolution
- Investigative Biology

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercise, reading notes and research tasks

Assessment

Unit Assessment	Investigation, written questions and problem solving
SQA Exam	Question Paper 100 marks
Project	30 marks

Progression

- HND/degree in a biology-based course or a related area
- A career in a biology-based discipline or related area
- A biology-based HND/degree programme
- Careers in a biology-based or related area including the health sector, agricultural science, education, environmental services

Career Paths

Biology can lead to a wide range of courses at college and university and a variety of careers such as:

Doctor	*Nurse*	*Teacher*	*Research scientist*
Marine Biologist	*Vet*	*Forensic scientist*	*Laboratory technician*
Dentist	*Pharmacologist*		

HUMAN BIOLOGY - HIGHER

Higher Biology and Higher Human Biology are considered to be the same subject by universities therefore it is advisable to study only one of these courses.

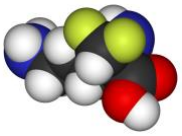
Why study Human Biology?

Biology is a fascinating subject to study which can lead to a variety of rewarding career paths. Biology is the 'Science of life' and Human Biology is the study of the human body.

Purpose and Aims

The aims of the course are to develop

- A deeper understanding of Human Biology
- The learners' interest and enthusiasm for Human Biology
- Scientific inquiry and investigative skills
- The use of technology, equipment and materials
- Skills of independent working



Units

There are 3 main units

- Human Cells
- Physiology and Health
- Neurobiology and Immunology

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercise, reading notes and research tasks

Assessment

Unit Assessment	Investigation, written questions and problem solving
Added Value unit	Open book Investigation on a Biological topic. 2 hours to present information previously gathered. This is worth 20 marks towards final grade.
SQA Exam	Exam - Grade awarded A – D. This is worth 100 marks towards final grade.

Progression

Success in Higher Human Biology could lead to Advanced Higher Biology or Higher in other Science subjects. It could also lead to further qualifications in Biology or related areas.

Career Paths

Biology can lead to a wide range of courses at college and university and a variety of careers such as:

Doctor	*Nurse*	*Teacher*	*Research scientist*
Forensic scientist	*Laboratory technician*	*Dentist*	

BUSINESS - NATIONAL 4

Purpose and Aims

The purpose of this course is to develop pupils' understanding of the way in which businesses operate in the current dynamic, ever changing, competitive and economic environments of today. It is also designed to encourage enterprising ideas and attitudes. This is done through enabling pupils to gain an understanding of why and how individuals set up in business and how businesses are run. To this end the course is practical and experiential in nature and develops a wide range of skills for learning, life and work. The course also enables pupils to demonstrate simple business planning and decision making while encouraging enterprising and problem solving skills and attributes through practical activities and investigation of real-life business situations.

Units

The 2 main units which will be studied are:

- Business in Action
- Influences on Business

In addition, pupils will complete an 'Added Value' unit. This involves pupils preparing a simple business proposal for an aspect of a new small business, making use of appropriate technology where applicable.

Assessment

NATIONAL 4

- Assessment of the 2 main units
- Completion of 'added value' unit
- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading and research tasks.

Progression

Success in National 4 Business could lead to National 5 Business Management.
Success in National 5 Business Management could lead to Higher Business Management.

Career paths

Business Management can lead to a wide range of courses at university and college. It can also lead to a variety of careers in business, banking, accounting, management both at home and overseas.

BUSINESS MANAGEMENT - NATIONAL 5

Purpose and Aims

Business Management builds on the skill, knowledge and understanding gained in Business National 4 and acts as an introduction to the business world.
The main purpose of the course is to highlight the ways in which organisations operate and the steps they take to achieve their goals. This is done through the study of the different aspects which make up a business organisation. (See unit titles below)
The course aims to develop a wide range of skills for learning, life and work through active learning in real-life contexts. These skills include employability skills such as flexibility, adaptability, reliability and working with others as well as numeracy, literacy and ICT skills.

Units

The 5 main units which will be studied are:

- Understanding Business
- Management of People
- Management of Finance
- Management of Marketing
- Management of Operations

Assessment

NATIONAL 5

- Completion of course assessment using 2 components
  - Component 1 – Question Paper (90 marks). The question paper will be set and marked by the SQA and sat during the May/June exam diet.
  - Component 2 – Assignment (30 marks). The assignment will be set by SQA, completed under supervision in school and then sent to SQA for marking.
- Final award graded A-D

Homework

All pupils will be expected to complete homework on a regular basis in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading and research exercises.

Progress

Success in National 5 Business Management could lead to Higher Business Management.

Career paths

Business Management can lead to a wide range of courses at university and college. It can also lead to a variety of careers in business, banking, accounting, management and industry both at home and overseas

BUSINESS MANAGEMENT - HIGHER

Purpose and Aims

The aim of the Course is to highlight the ways in which organisations operate and the steps they take to achieve their strategic goals. This aim will be achieved by combining theoretical and practical aspects of learning through the use of real-life business contexts. The skills, knowledge and understanding will be embedded in current business theory and practice and reflect the integrated nature of organisations, their functions and their decision-making processes.

*Units/Course Content

The course consists of 5 units –

- Understanding Business
- Management of Marketing
- Management of Operations
- Management of People
- Management of Finance

A pass for each internal assessment unit is required if being submitted as 'Units Only'.

*Course Assessment

The Business Management course will be assessed through the use of 2 components.
Component 1 – question paper (90 marks)
Component 2 – assignment (30 marks)

Component 1 the Question paper will be set and marked by the SQA and sat during the May/June exam diet.
Component 2 – the Assignment will be set by SQA, although completed under supervision in school and then sent to SQA for marking.

Content and Assessment are subject to change by SQA

Homework

Issued regularly

Progression

Advanced Higher Business Management Course or relevant component Units
Further study, employment and/or training

Career Paths

A wide range of management jobs in local, national and international businesses in areas such as marketing, sales, operations, banking, and insurance

BUSINESS MANAGEMENT – ADVANCED HIGHER

Any pupils interested in studying this subject at Advanced Higher level should see Mrs Arnott or Miss McCabe in the Business Studies Department.

CHEMISTRY - NATIONAL 4/5

Please Scan the QR Code for more information

Purpose and Aims

Chemistry is the study of the matter of which our universe is made. It is a discipline of science and sits well with the other sciences, biology and physics. The purpose of the course is to develop pupils' knowledge and understanding of

- Atomic theory and how atoms and molecules bind together,
- How chemistry is an essential to our understanding of nature,
- And how our society is dependent on chemistry and has been wonderfully enhanced by chemical discoveries and technology.

To that end there are opportunities for practical work, and we develop scientific enquiry and investigative skills. Pupils also learn to evaluate, to analyse and to solve practical problems. Theories and results have to be communicated and this develops presentation and literacy skills. These skills are all transferable and will enhance a pupils' general education.

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Units

Three main units are covered: Chemical changes and structure, Nature's Chemistry and Chemistry and Society. The "Added Value Unit" gives pupils the opportunity to demonstrate challenge and application in skills of scientific enquiry, investigation, analytical thinking and knowledge and understanding.

Assessment

National 4	National 5
• End of unit assessment • The added value unit will be an open book assessment where pupils will present the outcome of their study – carried out under exam conditions • Award given is pass or fail.	• Assignment – 20 marks. (Scaled to 25 marks - Externally marked) • An SQA exam - 100 marks (80% of the final mark) • Awards are given grade A-D.

Homework

All pupils will be expected to complete all homework assignments. These are designed to reinforce work carried out in class, to allow pupils to assess their own progress; and to allow staff to assess each pupils' learning.

Progression

From National 4 chemistry pupils have the option to move on to National 5, and then to Higher Chemistry.
National 5 pupils have the option to move onto Higher Chemistry and then Advanced Higher Chemistry

Career Path

A qualification in chemistry can lead to careers such as medicine; scientific research; manufacturing industry; engineering; dentistry; veterinary surgeon; environmentalist; ecologist; teacher etc. Many of the skills developed in chemistry are used in many other careers which are not "scientific", such as accountancy, law or management.

CHEMISTRY - HIGHER

Please Scan the QR Code for more information

Course Aims

The course is designed to build on the knowledge and understanding gained in National 5 course by examining certain topics in greater depth and expanding the field of knowledge by the study of new topics. A greater emphasis on the social and economic importance of chemistry should be brought out during consideration of industrial processes. Positive pupil attitudes and problem-solving skills should be developed during the experimental work and research topics.

Recommended Entry Requirements

Before admission to the course students would normally be expected to have attained a pass at National 5 level or shown a good level of understanding in other Science subjects at National 5 level.

Course Structure and Content

The course consists of the following units of work -

1. ***Chemical Changes and structure*** (3 SCQF credit points). This looks at rate of reactions, the periodic table and chemical structures.
2. ***Nature's Chemistry*** (6 SCQF credit points) This covers the key areas of fats and oils, chemistry of cooking, soaps detergent and emulsions etc
3. ***Chemistry in Society*** (6 SCQF credit points) Learners will understand how to get the most from reactants, how to run industrial processes efficiently and to minimise the effects on the environment.
4. ***Researching Chemistry*** (3 SCQF credit points) This section allows opportunity for collaborative and independent learning. Learners will review background information, plan and undertake a practical investigation related to chemistry.

Details of the Learning Outcomes and suggested activities are to be found in the ***Higher Chemistry Course Unit Specification***.

Assessment

Assessment structure -

- Component 1 – Question Paper 1: Multiple Choice (25 marks) / Question Paper 2: 95 Marks
- Component 2 – Assignment 20 marks (scaled to 30)

The assignment is set by the school under SQA guidelines, conducted under exam conditions and will be submitted for external marking. The course is graded form A-D.

Homework

Pupils are expected to manage their own homework schedule, with regular assignment being administered through the teams platform

Progression and Career Path

From Higher chemistry, pupils can move to Advanced Higher and then to a scientific or chemistry degree at university or college. If this is not the chosen path, the scientific knowledge and skills developed in the course are very useful in many careers and professions, giving a sound scientific understanding and many transferable skills. This includes highly desired skills such as critical and analytical thinking.

CHEMISTRY – ADVANCED HIGHER

Any pupils interested in studying this subject at Advanced Higher level should see Miss Wilson, PT Chemistry.

COMPUTER GAMES DESIGN - NPA

Purpose and aims

Dundee has been highly influential in the videogames industry. Some of the most popular videogames have been created by games developers in Dundee such as **Grand Theft Auto, Lemmings** and more recently, **Minecraft.**
The purpose of the course is to meet the SQA criteria for a **National Progression Award**. This course aims to deliver an experience of software development specifically geared toward games design and development. The course is offered at level 4, 5 and 6. Each level offers progression on to the level above. NPA awards are considered for progression on to relevant NQ/HNC/HND and degree level courses.
You will develop skills such as **problem solving, teamwork, design and production** along with key areas of **literacy, numeracy** and **research** whilst designing and making your own videogames. You will learn about how games are developed in the industry and gain an understanding of the games industry as a whole and in particular the games industry in Scotland.

Units

The course is split into the following units. For each unit that you complete you will get that unit award and once you have completed all units, you will get the NPA awarded to you:
▪ **Design** – You will look at the games you play and what makes them so enjoyable. You will examine the technology we use to play and how it impacts our experience. You will take these aspects of game design and apply them to designing games of your own.
▪ **Media Assets** – Graphics, sound effects, music and more. Media assets provide the shine and glamour we know and love from the AAA titles we play every day. The development of gaming technology has meant media assets are now more realistic than ever. You will examine the process of developing and creating these assets for yourselves.
▪ **Development** – During this unit you will take the knowledge we have gained and use it to begin development of your own games. Using **GameMaker Studio** software you will design and develop your own games following the software development process. GameMaker has been used to create games such as *HyperLight Drifter, Undertale* and others.
At Level 6, you will have a choice of developing your skills in GameMaker or progressing on to the Unity development environment which has produced games such as *Call of Duty Mobile* and *Mario Kart Tour.*

Assessment

Assessment is ongoing throughout the course and is entirely coursework based. Assessment tasks will be broad and varied aiming to demonstrate learning gained throughout the course. **There is no formal examination**

Homework

Homework will be provided to consolidate learning or to facilitate differentiation and catch up on work missed.

Career Paths

Scan this QR code to see some possible careers in the games industry!

COMPUTING SCIENCE - NATIONAL 4/ 5

Why study Computing?

We are currently living in the Digital Age; everything is connected online, and computers are more powerful and versatile than ever. Computer scientists theorise, design, develop and apply the software and hardware for applications, programs, online services, cybersecurity, AI and more!

Computing Science has excellent job prospects in the UK with **75% of Computing Science university graduates gaining employment in the first six months of leaving**. Computer scientists are in demand and their salaries reflect this. The UK average salary for Computing Science is **£55k.** Computing Science offers job opportunities in almost every industry. The skills you develop studying Computing Science are applicable in a wide range of contexts. As well as the above, Computing Scientists are in demand the world over. There are opportunities to work almost anywhere on the planet!

Units

Software Design and Development

- Develop your computational thinking and understanding of programming and its importance in the modern world through the process of designing, writing and testing your own programs.
- Apply this knowledge by learning to program in **Python**. An industry recognised programming language.
- Learn the different ways that a computer deals with the programs you write when it only 'understands' the binary number system.
- Discover how to catch errors and deal with them before they cause major problems.
- Evaluate programs and software based on fitness for purpose and robustness.

Web Design and Development

- Develop skills in identifying functional and end user requirements and how these apply to the websites we use every day.
- Learn to design websites using wireframes and prototyping.
- Develop skills in industry wide languages to develop web pages: **HTML, CSS** and **JavaScript** (The building blocks of every website.)
- Evaluate what makes a website a good website looking at navigation, usability, and accessibility.

Database Design and Development

- Discover the myriad uses of these vital information systems in our day to day lives from online shopping to Netflix and Snapchat.
- Learn how to organise information and design an efficient database solution.
- Learn to develop relational databases using **Microsoft Access** and **SQL**

Computer Systems

- Discover the delights of data! How do computers **process** our information? What happens to our data inside a computer system? How is **data** stored, how are images created? You will learn about the fundamentals of **computer systems.**

Assessment

National 4 - To be awarded the **National 4** Computing Science qualification, you must pass the two core Units and the Added Value Unit. There is no external exam and it is graded Pass or Fail.

National 5 - At **National 5** there will be an external exam and coursework assessment produced by the SQA. The coursework assessment accounts for 31 % of your overall mark and the exam is 69 %. Grades from A to D are awarded to successful pupils.

Progression

Candidates can progress to Higher Computing Science or NPA Computer Games Design (level 6).

Careers

Scan this QR code to examine 100 possible careers using Computing Science.

COMPUTING SCIENCE - HIGHER

Why study Computing?

We are currently living in the Digital Age; everything is connected online, and computers are more powerful and versatile than ever. Computer scientists theorise, design, develop and apply the software and hardware for applications, programs, online services, cybersecurity, AI and more!
Computing Science has excellent job prospects in the UK with **75% of Computing Science university graduates gaining employment in the first six months of leaving**. Computer scientists are in demand and their salaries reflect this. The UK average salary for Computing Science is **£55k.** Computing Science offers job opportunities in almost every industry. The skills you develop studying Computing Science are applicable in a wide range of contexts. As well as the above, Computing Scientists

Content

Higher - The units in Higher Computing Science build from the National 5 Course

Software Design and Development

- Further develop your problem solving and computational thinking skills by working with and solving complex problems.
- Examine and implement complex concepts and standard algorithms in the Python programming language.
- Integrate your programs into systems by manipulating standard files.
- Examine the base structure of a computer system and understand how it manipulates and runs programs.

Web Design and Development

- Through the industry standard framework of HTML 5 put further your skills in CSS and JavaScript.
- Think critically about security and privacy risks and examine current issues such as DDOS attacks and our responsibilities under the Computer Misuse Act.
- Examine the role of computer systems in reducing our impact on climate change.

Database Design and Development

- Further our knowledge of database design and information processing using industry techniques and diagrams.
- Develop a high level of skill in manipulating information structures using SQL.

Assessment

To achieve your Higher award, you must pass a **final exam (60 %)** and a **practical assignment (40 %).** You will be graded from **A-D**

Progression

Candidates can progress to **Advanced Higher Computing Science.**

Careers

Scan this QR code to examine 100 possible careers using Computer Science!

COMPUTING SCIENCE – ADVANCED HIGHER

Why study Computing Science?

We are currently living in the Digital Age; everything is connected online, and computers are more powerful and versatile than ever. Computer scientists theorise, design, develop and apply the software and hardware for applications, programs, online services, cybersecurity, AI and more!

Computing Science has excellent job prospects in the UK with **75% of Computing Science university graduates gaining employment in the first six months of leaving**. Computer scientists are in demand and their salaries reflect this. The UK average salary for Computing Science is **£55k.** Computing Science offers job opportunities in almost every industry. The skills you develop studying Computing Science are applicable in a wide range of contexts. As well as the above, Computing Scientists are in demand the world over. There are opportunities to work almost anywhere on the planet!

Units

Advanced Higher - The units in Advanced Higher Computing Science build from the Higher Course

Software Design and Development

- Further develop your problem solving and computational thinking skills by working with and solving advanced problems.
- Examine and implement advanced concepts and algorithms in the **Python** programming language.
- Integrate your programs into systems such as **websites** or **databases**.
- Understand how the complexities of the **fetch execute cycle.**

Web Design and Development

- Through the industry standard framework of **HTML 5** put further your skills in **CSS** and **JavaScript.**
- Develop skills in website/database interaction using **PHP.**
- Think critically about security and privacy risks and examine current issues such as **DDOS attacks** and **code injections**.
- Examine the role of computer systems in reducing our impact on climate change.

Database Design and Development

- Further our knowledge of database design and information processing using industry techniques and diagrams.
- Develop a high level of skill in manipulating information structures using **SQL**.

Assessment

To pass the Advanced Higher course learners must pass an **external exam (50 %)** and complete a **project (50 %)** over the year. The marks are split 50-50 at this level. The course is graded **A-D**.

*NB Project: At this level the learner is expected to develop the idea for their project independently with support from their teacher. The project must include two advanced concepts from one area of study as well as integrate within another area of study. It is expected that you will undertake **significant** private study to complete your project.*

Progression

Candidates can progress to HND or Degree levels of study, employment and other training programmes.

Careers

Scan this QR code to examine 100 possible careers using Computing Science!

EARLY LEARNING & CHILDCARE – NATIONAL 4

Purpose and Aims

This course is designed for those wishing to follow a career path working with children or young people. It will introduce leaners to aspects of child development and the key milestones of development from 0 to 12 years. The course will also allow leaners to develop a basic understanding of the early learning and childcare sector and explore the numerous jobs opportunities available within this role. Pupils will also gain real life work experience by collaborating with local nurseries and schools to put their learning into practice.

Is this course for me?

Do you like spending time with children? Would you like to learn more about the development of children and the importance of play and care in their everyday lives? This course builds on the knowledge and skills needed to work with children and young people aged 0-12. You will gain a basic understanding of the key milestones in children development and learning. With guidance from your teacher, you will learn to develop relevant skills such as teamwork and help to plan play experience while learning about the care and development of children.

Units / Course Content

The four units covered in this course include:

- Play
- Care of children
- Working in early learning childcare
- Child development

Skills

- Self-evaluation skills
- Positive attitude to learning
- Flexible approaches to solving problems
- Adaptability and positive attitude to change
- Confidence to set goals, reflect and learn from experience
- Specific vocational skills and knowledge

Assessment

Pupils will complete assessments at the end of each unit. This will be marked internally and will be either a pass or fail. Pupil assessment will give the opportunity for personalisation and choice as leaners are able to choose from a selection of different assessment strategies.

Homework

This course will require work to be completed at home and as such leaners will need to have a strong commitment to the course.

Progression

Success in National 4 could lead to other qualifications in Childcare or related areas of employment or training.

Career Paths

Pupils who complete this course have a great scope of job opportunities including but not limited to childcare, teaching, midwifery, nursing and social work. This course will give pupils real life experience and will help bolster their confidence in the field of early learning and childcare.

ENGLISH - NATIONAL 3/4

Purpose and Aims

The main purpose of the National 3&4 courses is to provide learners with opportunities to develop their communication and literacy skills. Pupils will spend time developing their ability to talk, listen, read and write towards the end of understanding and using their written and spoken language in an effective manner. Pupils will also study literature drawn from different contexts and genres.

National 3 Course Requirements

To achieve National 3 English, pupils must complete four assessments that test the skills of reading, writing talking and listening.

National 4 Course Requirements

To achieve National 4 English, pupils must complete a series of assessments that display their reading, writing, talking and listening skills. Pupils must also complete an Added Value Unit.

Assessment

NATIONAL 3

- All units must be passed.
- All units are internally assessed.
- There is no end of year exam. The National 3 course is assessed by class teachers.
- The course is award is 'pass' or 'fail'.

NATIONAL 4

- All Units must be passed
- Each unit of work, including the Added Value Unit, is internally assessed.
- There is not an end of year exam. The course is marked by class teachers.
- The course award is 'pass' or 'fail'

Homework

All pupils will be expected to complete homework activities on a consistent basis in order to supplement and reinforce the learning encountered in class. Homework will vary and will include different reading, writing and research activities.
Pupils undertaking the National 3 or National 4 course will be required to participate in the consistent revision activities to ensure they are fully prepared for the assessments of the course that occur throughout the academic year.

Progression

Success in National 3 could lead to National 4 in English.
Success in National 4 could lead to National 5 in English.

Career Paths

English can lead to a wide range of courses at college and university and a variety of careers. It is recognised by most employers as a very useful qualification.

ENGLISH – NATIONAL 5

Purpose and Aims

The main purpose of the National 5 course is to provide learners with opportunities to develop their written and spoken communication skills. Pupils will spend time honing their ability to talk, listen, read and write towards the end of understanding and using language in an effective manner. Pupils will also study literature drawn from at least two genres.

National 5 Course Requirements

To achieve National 5 English, pupils must submit a portfolio of two pieces of writing to the SQA. Pupils must also pass the externally assessed exam. There are no internally assessed units for the National 5 English course award, but all pupils entered at National 5 English at Baldragon are also entered for a separate qualification in Nat 5 Literacy. For both qualifications, class teachers provide the feedback on the preliminary exams and portfolio writing pieces that ultimately are assessed in their final form by the SQA examination team.

Assessment

NATIONAL 5

- A portfolio of writing consisting of a broadly discursive piece of writing and a broadly creative piece of writing.
- A Spoken Language assessment. This is internally assessed and is separate from the English qualification.
- End of year exam. There are two papers: Reading for Understanding, Analysis and Evaluation, worth 30 %; Critical Reading (Scottish Text Analysis questions and one Critical Essay), worth 40 %.
- The final award is A to D.
- All pupils entered in the National 5 course are also entered for a National 5 Literacy qualification that gives pupils an extra qualification.
- Pupils in S5/6 who are entered at National 5 level English are also entered for a SCQF level 5 0.5 award course in Leadership skills. This course runs concurrent with the National 5 English course and is taught once a week.

Homework

All pupils will be expected to complete homework activities on a consistent basis in order to supplement and reinforce the learning encountered in class. Homework will vary and will include different reading, writing and research activities, as well as work related to the examination.

Progression

Success in National 5 could lead to Higher English.

Career Paths

English can lead to a wide range of courses at college and university and a variety of careers. It is recognised by most employers as a very useful qualification.

ENGLISH - HIGHER

Purpose and Aims

The main purpose of the Higher English course is to provide learners with opportunities to continue to hone their reading, writing, talking and listening skills in a range of sophisticated contexts. Pupils will study literature drawn from a wide variety of sources and will develop their capacity to respond to this in meaningful ways.

Units / Course Content

- Pupils will study a selection of texts including poetry, drama, prose and media to prepare for the demands of the externally assessed exam. A variety of extended pieces of writing will be produced also, with pupils continuing to develop their skills in this area.
- Spoken Language component. This is internally assessed.

Assessment

- The Spoken Language unit must be passed
- A portfolio of writing is assessed by the SQA. Two pieces are submitted and this is worth 30 %.
- In the final SQA exam, there are two papers: Reading for Understanding, Analysis and Evaluation, worth 30 %; Critical Reading (Scottish Text analysis questions and one Critical Essay), worth 40 %.
- The final award is A to D.

Homework

All pupils will be expected to complete homework activities on a consistent basis in order to supplement and reinforce the learning encountered in class. Homework will vary and will include different reading, writing and research activities. It is also vital that pupils revise exam materials on a consistent basis from the outset so as to ensure that they are fully prepared for the prelim and final exam.

Progression

Success in Higher English may lead to Advanced Higher.

Career Paths

Higher English is required by many universities for entry into a number of different courses. It is generally recognised as an extremely valuable qualification.

ENGLISH – ADVANCED HIGHER

Purpose and Aims

The Advanced Higher English course seeks to provide pupils with opportunities to create, analyse and evaluate complex language. Pupils will investigate a wide range of sophisticated literary texts and will be encouraged to research and investigate language and literature for a range of different purposes. Progression through this course will help to prepare pupils for the rigors of undergraduate study.

Units / Course Content

Creation and Production

Learners who complete this Unit will be able to produce complex and sophisticated written texts. Learners will be required to provide evidence of their writing skills by producing at least two drafts of one piece of their own writing and show critical reflection of the development of the writing process.

Analysis and Evaluation of Literary Texts

Learners who complete this Unit will be able to:

1. Critically analyse and evaluate complex and sophisticated literary texts in depth.
2. Undertake research into an aspect or aspects of literature.

For Outcome 1, learners will be required to provide evidence of their critical analysis and evaluation skills by analysing and evaluating at least two complex and sophisticated literary texts in depth.

For Outcome 2, learners will be required to provide evidence of their critical analysis and evaluation skills by organising their findings and providing details of their research into an aspect or aspects of literature.

Assessment

Component 1	Component 2
• Learners will produce a portfolio of work which will be externally assessed. • Two sections worth 60% in total. • Section 1 – Dissertation worth 30% • Section 2 – Two pieces of writing for different purposes worth 30% in total.	• Learners will sit and exam of two parts. • The exam in worth 40% in total. • Section 1 – Learners will write a critical essay from a choice of prose and drama questions. This is worth 25%. • Section 2 – Learners will complete a textual analysis of an unseen poem. This is worth 15%.

Homework

The homework demands of Advanced Higher English are significant. With guidance from their teacher, learners will work independently to produce in depth and involved responses to literature and to create sophisticated pieces of writing. A strong work ethic is essential.

Progression

Advanced Higher English may lead to the study of English at undergraduate level. There are many other pursuits, however, which rely on the skills and attitude that this course seeks to develop.

Career Paths

Advanced Higher English is generally regarded as an extremely useful qualification and one which helps to prepare learners for further education.

FASHION AND TEXTILES TECHNOLOGY – NATIONAL 5

Purpose and Aims

The purpose of the course is to develop practical skills, construction techniques and the knowledge and understanding which support developing and creating fashion or textiles garments. This course is practical and provides the opportunity to develop a wide range of skills using a variety of fabrics and materials.
Candidates will develop:

- detailed knowledge of textile properties and characteristics
- detailed textile construction techniques
- detailed understanding of factors that influence fashion/textile choices.
- detailed understanding of fashion/textile trends
- the ability to plan and make detailed fashion/textile items.
- the ability to select, set up, adjust, and use relevant tools and equipment safely and correctly.
- detailed investigation, evaluation, and presentation skills

Practical Assignment

Pupils will design, plan, make and evaluate a fashion or textile item. They will use the skills they have developed in this course to produce this item in response to a design brief. A range of design briefs for the assignment will be provided by SQA and will allow personalisation and choice.

Written Exam

The written exam lasts one hour and is worth 24% of the overall National 5 award. The questions in this paper will test pupils' understanding of the properties of different textiles and their use and construction in fashion garments.

Assessment

- Coursework will be assessed both internally and externally by SQA.
- 60-minute SQA written exam.
- Final award graded A to D

Homework

All pupils will complete homework to reinforce and develop learning, understanding and skills. Homework will include researching and developing ideas through drawing and other media. Pupils will also receive written homework and revision tasks for practice exam questions.

Progression

Success at National 5 level could lead to the Higher Fashion and Textiles Technology course.

Career paths

Fashion and Technology can lead to a wide range of courses at college and university, and a variety of careers such as:

Costume and Theatre Design	*Interior Design*	*Product Design*
Fashion Design	*Textiles Design*	*Teaching*

GEOGRAPHY - NATIONAL 4/5

Purpose and Aims

The purpose of this course is to develop pupils' knowledge and understanding of our world; they will learn about the physical environment around them and how people live in and use that environment. To aid that understanding there will be opportunities for practical activities, including fieldwork.
Geography is studied at a range of scales from local to global. It draws upon both the natural and social sciences and therefore has links with many other disciplines.
Through successful completion of this course, learners will develop a range of important and transferrable skills: they will be able to use, interpret and explain geographical information, maps and data, as well as develop their research and communication skills.

Units

3 main units are studied: Physical Environments, Human Environments and Global Issues.
In addition pupils will complete an 'Added Value' unit. This involves researching a topic in the local area and gathering fieldwork data which will then be collated, analysed and written up.

Assessment

NATIONAL 4

- Unit by unit assessment of 3 main units
- Completion and write up of fieldwork 'added value' unit
- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

NATIONAL 5

- 1 hour controlled assessment , writing up elements of the field work assignment
- SQA end of year exam
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading, research and IT based tasks.

Progression

Success in National 4 could lead to National 5 Geography.
Success in National 5 could lead to Higher Geography.

Career paths

Geography can lead to a wide range of courses at college and university and a variety of careers such as:

Aid worker
Armed forces
Cartographer
Charity fundraiser
Conservation worker
Engineer
Forestry manager
GIS specialist
Holiday rep
Housing officer
Surveyor
Teacher
Tourist information
Town planner
Transport manager
Travel agent
Weather forecaster

GEOGRAPHY - HIGHER

Purpose and aims

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

Units/Course content

There are three main areas of study.

- Physical environments (includes Key topics on Atmosphere, Biosphere, Hydrosphere and Lithosphere).
- Human Environments (includes Key topics on Population, Rural land use and management and Urban land use and management).
- Global Issues (Two topics will be studied from the following list, Development and Health, River Basin management, Global climate change, Energy, or Trade, Aid and Geopolitics).

Assessment

There are three main areas of assessment.

- A Course award externally marked by the SQA.
    - Question Paper 1 – 1 hour 50 minutes (100 marks)
    - Question Paper 2 – 1 hour 50 minutes (60 marks)
- An 'student assignment' report (written report under exam conditions - 1 hour 30 minutes, 30 marks)

Homework

Pupils are expected to complete and return any course associated homework.

Progression

This Course or its Units may provide progression to:

- Advanced Higher Geography Course or its Units
- further study, employment and/or training

Career Paths

The Higher Geography Course provides an entry qualification for study in further and higher education and for entry into a diverse range of occupations and careers. Examples of future careers may include

Conservation officer	*Aid worker*	*Market research analyst*	*Emergency services manager*
Teacher	*Town Planner*	*Surveyor*	*Flood protection manager*
Coastal engineer	*Aerial Surveyor*	*Travel writer*	*Holiday representative*
Environmental health officer		*Environmental consultant*	

GEOGRAPHY – ADVANCED HIGHER

Entry Requirements

Preferably Higher Geography at A or B

Purpose and aims

The intention of the Advanced Higher Geography Course is to continue the development of learners understanding of our changing world and its human and physical processes in local, national, international and global study contexts. The Advanced Higher course aims to foster greater maturity of outlook and to promote independent study.

The Advanced Higher allows pupils to participate in a wide range of practical fieldwork activities allowing pupils to interact with their environment. The contexts for study are local, national, international and global.

In the 21st century, with growing awareness of the impact of human activity upon the environment and scarce resources, the study of Geography fosters positive life-long attitudes. This Course will provide learners with the knowledge and skills to enable them to effectively engage with challenging issues in their local communities and wider society.

Units/Course content

There are 2 units that Candidates have to complete:

- ***Geographical Skills*** (50 marks) where map interpretation, the gathering and processing of techniques and geographical data handling are examined.
- ***Geographical Folio*** - In this Unit, the learner will be required to complete 2 pieces of coursework.

Coursework 1 – the Issues Essay (40 marks with a word count of 1,300 words).

Here a topical geographical issue is critically evaluated, viewpoints are examined and evidence from a range of sources relating to complex, current geographical issue are used.

Coursework 2 – The Study (60 marks with a word count of 3,000 words)

This will take the form of an in depth study of a research topic set in a local context showing application of some of the skills already gained through previous Added Value Units at National 5 & 6 level. It must focus on the processes of planning, research, analysis, evaluating and presenting information. The focus for this unit will be the challenge of the depth of study and the application of cartographic and statistical skills learned throughout the course.

Assessment

To gain a course award at Advanced Higher a candidate must pass unit assessments and outcomes, complete the 2 pieces from the folio and sit the final exam.

Homework

Homework will be issued on a regular basis, relating to map interpretation, fieldwork scenarios and coursework completion.

Progression and Career Paths

Advanced Higher Geography is an excellent preparation for Higher Education. Students will find that Geography is a useful subject for those going on to either an Arts or Science degree course, and Geography itself can be studied as part of an M.A. or B.Sc. Careers in Geography include:

Climatologist
Coastal Zone Manager
Lecturer/Researcher
Community Development
Conservation Officer
Conservationist
Diplomat
Earth Scientist
Environmental Educator
Environmental Manager
Environmental Planner
Geographic Information Specialist
Foreign Service Officers
Geologist
Land Use Planner
Map Editor
Map Librarian
Map, Satellite Image Interpreter
Market Researcher
Meteorologist
Military Planner
Police
Teacher

GRAPHIC COMMUNICATION - NATIONAL 4/5

Purpose and Aims

The Course provides opportunities for learners to gain skills in reading, interpreting, and creating graphic communications. Learners will initiate, develop and communicate ideas graphically. They will develop spatial awareness and visual literacy through graphic experiences.

The Course is practical, exploratory and experiential in nature. It combines elements of recognised professional standards for graphic communication partnered with graphic design creativity and visual impact.

The Course allows learners to engage with technologies. It allows learners to consider the impact that graphic communication technologies have on our environment and society.

The aims of the Course are to enable learners to develop skills in graphic communication techniques, including the use of equipment, 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.

Units

3 main units are studied: 2D Graphic Communication, 3D and Pictorial Graphic Communication

In addition, pupils will complete an 'Added Value' unit. Learners will be able to extend and apply their knowledge and skills through the assignment They will draw on their range of graphic communication experiences from the Units in order to produce an effective overall response to the assignment

Assessment

NATIONAL 4

- Unit by unit assessment of 2 main units
- Completion of assignment 'added value' unit
- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

NATIONAL 5

- Assignment
- SQA end of year exam
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills.
Homework will vary and include drawing and written exercises, reading and IT based tasks.

Progression

Success in National 4 could lead to National 5 Graphic Communication.
Success in National 5 could lead to Higher Graphic Communication.

Career paths

Graphic Communication can lead to a wide range of courses at college and university and a variety of careers such as:

Surveyor	*Armed forces*	*Cartographer*	*Engineer*
Town planner	*Teacher*	*Architect*	*Civil Engineer*
Draughtsman	*Construction*		

GRAPHIC COMMUNICATION - HIGHER

Purpose and Aims

The 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. Learners will continue to develop graphic awareness in often complex graphic situations thus expanding their visual literacy.

The Course is practical, exploratory and experimental in nature. It combines elements of creativity and communicating for visual impact with elements of protocol and an appreciation of the importance of graphic communication standards, where these are appropriate.

The course allows learners to engage with technologies. It allows learners to consider the impact that graphic communication technologies have on our environment and society.

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
- Creativity in the production of graphic communications to produce visual impact in meeting a specified purpose
- Skills in evaluating the effectiveness of graphics in communicating and meeting their purpose
- An understanding of graphic communication standards protocols and conventions, where these apply
- An understanding of the impact of graphic communication technologies on our environment and society

Units

The Course includes two mandatory units. Both units are designed to provide progression to the corresponding units at Advanced Higher.

- 2D Graphic Communication
- 3D and Pictorial Graphic Communication

Across both units, learners will develop an understanding of how graphic communication as an activity, and graphic technologies by their use, impact on our environment and society.

Assessment

- Unit by unit assessment of 2 main units
- Completion of the course assignment
- All units internally assessed
- Course exam

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include drawing and written exercises, reading and IT based tasks.

Progression

Success in Higher could lead to Advanced Higher Graphic Communication

Career paths

Graphic Communication can lead to a wide range of courses at college and university and a variety of careers such as:

Surveyor	*Armed forces*	*Cartographer*	*Engineer*	*Town planner*
Teacher	*Architect*	*Civil Engineer*	*Draughtsman*	*Construction*

HISTORY - NATIONAL 4/5

"A people without the knowledge of their past history, origin and culture is like a tree without roots"

Marcus Garvey

Why choose history?

The Study of History encourages pupils to develop an awareness and understanding of the society and world in which they live. The essential skills, (Knowledge, Understanding, Enquiry, Critical Thinking and Communication), should foster the ability to make balanced judgements and decisions on past and contemporary issues.

Purpose and Aims

In History, learners develop their understanding of the world by learning about other people and their values, in different times, places and circumstances.

The National History Course will encourage learners to develop important attitudes, including: an open mind and respect for the values, beliefs and cultures of others; openness to new thinking and ideas and a sense of responsibility and global citizenship.

History contributes to learners' understanding of the society in which they live and work by helping them to develop a map of the past and an appreciation and understanding of the forces which have shaped the world today.

Units

6 main units are studied:

1. Changing Britain 1760-1914
2. The Era of "The Great War"
3. The Red Flag Lenin and the Russian Revolution
4. Modern Britain
5. The USA
6. Migration and Empire

This is dependant upon which class you're allocated and which column you are placed in.

In addition pupils will complete an 'Added Value' unit.

Homework

All pupils are expected to revise and study at home on a regular basis. Homework will be varied: research, practice questions, completion of class work, producing presentations, using online materials.

Progression

Success in National 4 could lead to National 5 History, National 4 Courses in other social science subjects, Skills for Work Courses, Employment/Training, College courses.

Success in National 5 could lead to Higher History, National 5 Courses in other social science subjects, Skills for Work Courses, Employment/Training, College courses.

Assessment

NATIONAL 4

- Unit by unit assessment of 3 main units
- Completion and write up of research-based 'added value' unit
- All units internally assessed
- No end of year exam
- **Awarded on a pass/fail basis**

NATIONAL 5

- 1 hour controlled assessment , writing up elements of the research-based assignment
- SQA end of year exam – 2 hours 20 minutes
- **Final award graded A to D**

Career Paths

History can lead to a wide range of courses at college and university and a variety of careers such as:

Historian *Archaeologist* *Museum Curator* *Art Historian* *Civil Servant* *Librarian* *Lawyer*
Doctor *Armed Forces* *Investment Banker* *Marketing* *Teacher* *Police Officer* *Politician*
Town Planning *Aid Worker* *Community Education* *Social Worker* *Sociologist* *Trade Union Work*
NHS Administration *Social Researcher*

HISTORY - HIGHER

"The more you know of your history, the more liberated you are." ***Maya Angelou***

Why choose History?

The Study of History encourages pupils to develop an awareness and understanding of the society and world in which they live. The essential skills, (Knowledge, Understanding, Enquiry, Critical Thinking and Communication), should foster the ability to make balanced judgements and decisions on past and contemporary issues.

Purpose and Aims

In History, learners develop their understanding of the world by learning about other people and their values, in different times, places and circumstances.

The S5 Higher History Course will encourage learners to develop important attitudes, including: an open mind and respect for the values, beliefs and cultures of others; openness to new thinking and ideas and a sense of responsibility and global citizenship.

History contributes to learners' understanding of the society in which they live and work by helping them to develop a map of the past and an appreciation and understanding of the forces which have shaped the world today.

Units Studied

- *The USA 1918-68 Large Scale State*
- *Britain 1851-1951*
- *Migration and Empire*

Homework

All pupils are expected to revise and study at home on a regular basis. Homework will be varied: research, practice questions, completion of class work, producing presentations, using online materials.

Progression

Success in History within Higher History will allow student's progress to Advanced Higher History in S6

Assessment

The Higher History Course allows learners to acquire breadth and depth in their knowledge and understanding of the past through the study of Scottish, British, European and world contexts in a variety of time periods

- Section 1: Historical Study: Scottish (36 marks)
- Section 2: Historical Study: British (22 marks)
- Section 3: Historical Study: European and World (22 marks)
- Component 2 — assignment (The assignment will have 30 marks)

Career Paths

History can lead to a wide range of courses at college and university and a variety of careers such as:

Historian	*Archaeologist*	*Museum Curator*	*Art Historian*	*Civil Servant*	*Librarian*	*Lawyer*
Doctor	*Armed Forces*	*Investment Banker*	*Marketing*	*Teacher*	*Police Officer*	*Politician*
Town Planning	*Aid Worker*	*Community Education*	*Social Worker*	*Sociologist*	*Trade Union Work*	

HISTORY - ADVANCED HIGHER

Britain at Peace and War 1938-1951

Entry Requirements

Higher History (A/B pass preferred)

Purpose and Aims

The purpose of this course is to allow learners to acquire depth in their knowledge and understanding of historical themes and to develop further the skills of analysing complex historical issues, evaluating sources and drawing conclusions.
Through the detailed study of a chosen field, learners are able to engage with the issues which arise from significant historical events and developments. The depth of study enables them to engage fully with historical debate and thereby develop a deeper appreciation of the forces which have shaped historical developments.
These aims will be achieved by studying a chosen field in depth. Learners will be given one Field of Study from a specified choice. The course will also provide the opportunity to integrate their skills in an extended piece of individual research.
The skills and the understanding gained can be applied to other historical and contemporary settings and issues.

Units

The course content covers ten topics which explore the social, economic, political and military history of Britain 1938-1951.
The course must cover six of these topics in depth to allow candidates to show their source handling skills.
The candidates also need to produce a dissertation of no more than 4,400 words on a historic topic of their choosing.

Assessment

- Unit by unit assessment
- Dissertation (50 marks)
- SQA end of year exam (90 marks)
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading, research and IT based tasks.

Progression & Career Paths

Success in Advanced Higher History could lead to progression to law, humanities and social science university courses. Some centres may offer second year entry. Advanced Higher History can also provide a pathway to related careers such as:

Aid worker
Armed forces
Civil servant
Community education
Consumer protection
Historian
Local government
Law
Marketing
NHS administration
Police officer
Politician
Social worker
Social researcher
Sociologist
Teacher
Town planning
The Media and Advertising
Trade union work

HOME ECONOMICS - HOSPITALITY - NATIONAL 4/5

Purpose and Aims

This course enables learners to develop cookery related knowledge, understanding and skills and to use them at home, in the wider community and ultimately, in the world of work. The course has a significant amount of practical work which is supported by related theory. Practical work will allow learners to develop organisational and cookery skills. They will understand the uses of ingredients in the cookery process. They will extend their knowledge current dietary advice and safety and hygiene. The course is designed for those who are interested in food and who enjoy being creative with food.

Units

The three main units covered in this course include:

- Cookery Skills and Processes
- Understanding and Using Ingredients
- Organisational Skills for Cookery

Assessment

NATIONAL 4 (S4)

- Unit by unit assessment of 3 main units
- Completion of 'Added Value' unit
- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

NATIONAL 5 (S5-S6)

- Unit by unit assessment of 3 main units
- Component 1 – Question Paper
- Component 2 – Assignment
- Component 3 – Practical Activity
- Course is graded A-D taking all 3 components

Homework

Learners will be expected to practice skills at home. They should also read and follow recipes to develop an understanding of subject specific terms.

Progression

Success in National 4 could lead to National 5 Hospitality Practical Cookery

Success in National 5 could lead to other qualifications in Hospitality or related areas or employment or training

Cost

As with all Home Economics courses that involve practical cookery there will be a cost of £55.00 (S4) or £60.00 (S5/6) a year which can be paid all at once or in instalments. This is to partly cover the cost of ingredients used during the course.

Career Paths

How many times have Home Economics teachers heard "You only take practical cookery if you want to be a Chef". This is a misconception. The Practical Cookery course allows young people to develop transferable skills (time management, organisational, practical, communication, working with others, etc). The Hospitality industry is one of the fastest growing employers whether full time or part-time while you complete your further education.

HOME ECONOMICS - PRACTICAL CAKE CRAFT- NATIONAL 5

Purpose and Aims

Our National 5 Hospitality: Practical Cake Craft qualification develops learners' cake baking and cake finishing skills in a range of production methods. Learners also develop their knowledge of food safety and hygiene and develop organisational skills in the context of managing time and resources. The Practical Cake Craft Course enables learners to develop technical and creative skills in cake baking and finishing whilst developing their knowledge and understanding of cake design and following trends in cake production.

Is this Course for me?

This Course is designed for those wishing to acquire cake-baking and cake-finishing skills and to develop and demonstrate innovativeness in these areas. Learners develop a range of both generic and subject-specific skills. These include cake-baking and cake-finishing skills; practical psychomotor skills (manual dexterity and control); organisational and time management skills; the ability to weigh and measure ingredients and calculate proportions; the ability to evaluate both the process and the product; and aspects of employability and enterprise skills. Some experience in Art would be recommended as this would support the designing and creativity aspect of the course.

Course Structure

CAKE BAKING

The purpose of this unit is to enable learners to develop the ability to bake a range of cakes and other items safely and hygienically. Learners will demonstrate specialist skills, techniques and processes. To promote personalisation and choice, this unit provides opportunities to investigate baking trends and allows learners to apply this knowledge in a range of practical contexts.

CAKE FINISHING

The purpose of this unit is to enable learners to develop the ability to finish a range of cakes and other baked items safely and hygienically. In the finishing processes learners will apply specialised skills and creative techniques. To promote personalisation and choice, this unit allows opportunities to investigate trends in cake finishing and allows learners to apply this knowledge in a range of practical contexts.

Assessment

The learner must complete the above and pass the coursework assessment set. The coursework assessment consists of a practical activity (100 marks – worth 75%) and a 45 minute question paper (30 marks – worth 25%); the course is graded A – D.

The practical activity will be assessed by drawing on the knowledge, understanding and skills developed across the course. The activity will require learners to demonstrate their knowledge and understanding related to cake baking and cake finishing and to apply their skills in the production of cakes or other baked items. The practical activity will be conducted in four stages: designing; baking; finishing and evaluating.

Homework

Learners will be expected to practice skills at home. They should also read and follow recipes to develop an understanding of subject specific terms.

Cost

As with all Home Economics courses that involve practical cookery there will be a cost of £60.00 (S5/6) a year which can be paid all at once or in instalments. This is to partly cover the cost of ingredients used during the course.

Progression

Success in National 5 could lead to other qualifications in Hospitality or related areas or employment or training

Career Paths

How many times have Home Economics teachers heard “You only take practical cookery if you want to be a Chef”. This is a misconception. The Practical Cookery course allows young people to develop transferable skills (time management, organisational, practical, communication, working with others, etc). The Hospitality industry is one of the fastest growing employers whether full time or part-time while you complete your further education.

MATHEMATICS - NATIONAL 4/5

Purpose and Aims

Mathematics is rich and stimulating. It engages and fascinates learners of all ages, interests and abilities. Learning mathematics develops logical reasoning, analysis, problem-solving skills, creativity, and the ability to think in abstract ways. It uses a universal language of numbers and symbols, which allows us to communicate ideas in a concise, unambiguous and rigorous way. Through successful completion of this course, learners will develop a range of important and transferrable skills: they will be able to use, interpret and explain geographical information, maps and data, as well as develop their research and communication skills.

Units

There are 3 main units studied: "Expressions and Formulae" and "Relationships" are covered by both National 4 and National 5. The third unit of National 4 is "Numeracy" and for National 5 the third unit is "Applications".
In addition pupils will complete an 'Added Value' unit. Both Added Value units comprise two paper assessments, (one calculator and one non-calculator). For National 4 the Assessment is internally marked, whereas for National 5 there will be an external assessment provided by the SQA.

Assessment

NATIONAL 4

- Unit by unit assessment of 3 main units
- An Added Value unit internal assessment
- Awarded on a pass/fail basis

NATIONAL 5

- Unit by Unit assessments to gauge progress
- SQA end of year exam
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will be uploaded to Microsoft Teams.

Progression

Success in National 4 could lead to National 5 Mathematics.
Success in National 5 could lead to Higher Mathematics or Higher Applications of Mathematics.

Career Paths

Mathematics equips us with many of the skills required for life, learning and work. Understanding the part that mathematics plays in almost all aspects of life is crucial. This reinforces the need for mathematics to play an integral part in lifelong learning and be appreciated for the richness it brings. Mathematics can lead to a wide range of courses at college and university and a variety of careers such as:

Mechanic	*Entrepreneur*	*Researcher*
Engineering	*Architect*	*Technician*
Mathematician	*Banker*	*Joiner*
Statistician	*Broker*	*Cashier*
Accountant	*Teacher*	*Book Keeper*
Computer Scientist	*Astro-Physicist*	*Sciences*
Programmer	*Medical Science*	

MATHEMATICS - HIGHER

Purpose and Aims

The Higher Course in Mathematics develops learners' mathematical rigour and the ability to use precise and concise mathematical language assumes a particular importance at this stage. The course covers Relationships and Calculus, Expressions and Functions, and Applications.

Skills Developed

The skills learned range from applying mathematical techniques, manipulating symbolic expressions and communicating with mathematical correctness in the solution of problems.

Units

Each Mathematical Unit covers a variety of topics and sub-skills. These are assessed throughout the year using formal assessments. On successful completion of all units an external course assessment is carried out at the end of the year.

Homework

Homework is issued formally using Microsoft Teams and Jotters on a weekly basis. Also informal homework will include completing class exercises at home.

What you need to bring to class

In class pupils will need a pencil, sharpener and eraser. It is a good idea to consider a scientific calculator as pupils can then become accustomed to their own model of calculator, as in exams it cannot be guaranteed the model they will be given.

Progression

Progression would be onto the Advanced Higher Mathematics Course.

Career Paths

The course has obvious relevance for candidates with interests in fields such as commerce, engineering and science where the mathematics learned will be put to direct use.

MATHEMATICS - ADVANCED HIGHER

Recommended Entry

Higher Grade Maths at Grade A or B

Course Description

As with all Mathematics courses, Advanced Higher Mathematics aims to build upon and extend candidates' mathematical skills, knowledge and understanding, in a way that recognises problem solving as an essential skill and enables them to integrate their knowledge of different aspects of the subject. Exploiting the power of graphic calculators where appropriate will further the aim of developing mathematical skills and applying mathematical techniques in context.
The course offers candidates, in an interesting and enjoyable manner, an enhanced awareness of the range and power of mathematics and the importance of mathematical applications to society in general.

Course Structure

There are three mandatory units which will be assessed during the year. The assessments are pass/fail. There will be one re-assessment opportunity per assessment.

Methods in Algebra and Calculus
This Unit involves:

- Applying algebraic skills to partial fractions, applying calculus skills through techniques of differentiation, integration and solving differential equations.

Geometry, Proof and System of Equations
This Unit involves:

- Applying algebraic skills to partial fractions,
- Applying calculus skills through techniques of differentiation, integration and solving differential equations.

Application in Algebra and Calculus
This Unit involves:

- Applying algebraic skills to the binomial theorem, complex numbers, sequence and series and to summation and mathematical proof
- Applying algebraic and calculus skills to properties of functions and also to problems

External Assessments

There is one question paper worth 100 marks and calculators are permitted.
To gain the award of this course, the learner must pass all of the Units as well as the external assessment. The external assessment will provide the basis for the grade the pupil can attain.
The examination consists of a balance of short questions designed mainly to test knowledge and understanding, and extended response questions, which also test problem solving skills. These two styles of questions include ones which are set in more complex contexts to provide evidence for performance at grades A and B.

Progression

HNC/D or degree courses in Mathematics or courses which require Mathematics (engineering, science eg game software engineering and economics).

MATHEMATICS - APPLICATIONS - NATIONAL 4/5

Purpose and Aims

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

This course allows learners to acquire and develop skills for learning, skills for life and skills for work, as well as the attributes and capabilities of the four capacities. For example, success in mathematical learning leads to increased confidence as an individual in everyday situations; being numerically capable, especially in financial matters, helps towards becoming a responsible citizen; and being able to plan and organize will help in becoming an effective contributor.

The skills, knowledge and understanding developed in this course support learning in other curriculum areas such as technology, health & wellbeing, science and social studies.

Units

There are 3 main units studied: "Geometry and Measures", "Managing Finance and Statistics" and "Numeracy".

National 4 candidates will complete "Added Value" units which comprise of two paper assessments (one non-calculator and one non-calculator). All National 4 assessments are internally marked.

National 5 candidates will be assessed by external assessment provided by the SQA.

Assessment

NATIONAL 4

- Unit by unit assessment of 3 main units
- An Added Value unit internal assessment
- Awarded on a pass/fail basis

NATIONAL 5

- Unit by Unit assessments to gauge progress
- SQA end of year exam
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading, research and IT based tasks.

Progression

Success in National 4 Applications of Mathematics could lead to National 5 Applications of Mathematics.

Success in National 5 Applications of Mathematics could lead to National 5 Mathematics or Higher Applications of Mathematics.

Career Paths

Mathematics equips us with many of the skills required for life, learning and work. Understanding the part that mathematics plays in almost all aspects of life is crucial. This reinforces the need for mathematics to play an integral part in lifelong learning and be appreciated for the richness it brings. Mathematics can lead to a wide range of courses at college and university and a variety of careers such as:

Civil Service
Call Centre Operation
Nursing
Engineering
Customer Service Support
Teaching
Administration
Clerical and Reception Work
Psychology
Event Management
Construction
Environment Management
Local Government
Social Work
Retail and Sales
Allied health professions
Transport and Logistics
Travel and Tourism
Hospitality Management

MATHEMATICS - APPLICATIONS – HIGHER

This course will commence in August 2021

Purpose and Aims

The Higher Applications of Mathematics course focuses on developing the mathematical and analytical skills required in society and for the future workforce. The course develops candidates' quantitative and mathematical literacy, problem-solving skills and reasoning skills as they apply mathematics in real-life contexts.

Skills Developed

The skills, knowledge and understanding in the course supports learning and further study and builds confidence in a wide range of curricular areas, such as humanities, social sciences, healthcare, and business.
The course enhances candidates' critical and logical thinking so that they can interpret, analyse, and critically appraise statistical and mathematical information; simplify and solve problems; assess risk; and make informed decisions.

Units

Each Mathematical Unit covers a variety of topics and sub-skills. These are assessed throughout the year using formal assessments. On successful completion of all units an external course assessment is carried out at the end of the year.

Project

Candidates will research and report on a topic that allows them to apply statistical skills and knowledge in Applications of Mathematics at a level appropriate to Higher. The project has 30 marks out of a total of 110 marks for the course assessment.

Homework

Homework is issued formally using Microsoft Teams and Jotters on a weekly basis. Also informal homework will include completing class exercises at home.

What you need to bring to class

In class pupils will need a pencil, sharpener and eraser. It is a good idea to consider a scientific calculator as pupils can then become accustomed to their own model of calculator, as in exams it cannot be guaranteed the model they will be given.

Career Paths

The course has obvious relevance for candidates with interests in fields such as commerce and finance where the mathematics learned will be put to direct use.

MEDIA STUDIES – NATIONAL 4, 5 & HIGHER

Purpose and Aims

The main purpose of the Media Studies course is to provide learners with opportunities to develop their understanding of the techniques used to create the media around us. At National 4 & 5 level, pupils will learn about the six key areas of media studies: audience, narrative, categories, institutions, representation. and language. At Higher, pupils will also learn about the additional key term, society. Pupils will spend time honing their ability to interpret, analyse and evaluate all different types of media texts, from still images, to audio broadcasts, and from advertisements to feature length films.

Course Requirements

National 4	National 5	Higher
To achieve an award at National 4 Media Studies, pupils must complete three separate units of study: analysis of media content, creation of media content and the Added Value Unit for media studies. There is not an external exam; all components of the National 4 Media studies course are assessed by classroom teachers. All pupils who are entered at National 4 English are presented for the National 4 Media Studies course.	To achieve an award at National 5 Media Studies, pupils must complete an examination that is externally assessed as well as an Assignment that is externally assessed. Pupils develop their skill set in National 5 Media through a variety of text studies whilst analysing via the six key terms in greater depth than in National 4 as well as completing film and textual studies that are more demanding in complexity than at National 4 level.	To achieve an award at Higher Media Studies, pupils must complete an examination that is externally assessed as well as an Assignment that is externally assessed. Pupils continue their development of the skills taught at National 5 level with the added key term 'Society' involved in their studies. The textual studies undertaken at Higher are more complex and rigorous than at National 5 level and greater depth is required in the fewer available examination marks at Higher level than at National 5.

Assessment

National 4	National 5	Higher
• Successful completion of the 'Analysing Media Content' Unit. • Successful completion of the 'Creating Media Content' Unit. • Successful completion of the Media Studies Added Value Unit. • The final award is 'pass' / 'fail'.	• Externally assessed examination section 1 Analysis of Media Content in Context (50 marks). • Externally assessed examination section 2 Analysis of a Media text (10 marks)—the 60 marks are worth 50% of your National 5 Media Studies grade. • Externally assessed Assignment task (planning worth 25 marks, development worth 35 marks)—the 60 marks here are work 50% of your overall grade. • The final award is A-D	• Externally assessed examination paper section 1 Analysis of Media Content in Context (40 marks). • Externally assessed examination paper section 2 Analysis of a Media text (10 marks). • Externally assessed Assignment task (planning worth 20 marks, development worth 30 marks)—the 100 marks in total comprise the candidate's overall grade. • The final award is A-D

Homework

All pupils will be expected to complete homework activities on each component of the course and / or examination questions on a consistent basis in order to supplement and reinforce the learning encountered in class. Homework will vary and could include viewing different texts for the course to reading up on media theorists and applying those theories to contemporary texts, as well as work related to the examination and assignment tasks themselves. As the pupil progresses from National 4 through to Higher Media, the demands of the homework will increase in accordance with the demands of the course.

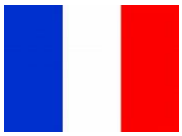
Progression

Success in the National 4 Media Studies course could lead to National 5 Media studies.
Success in National 5 could lead to Higher Media.

Career Paths

Media Studies can provide access to a range of courses at college and university and a variety of careers. It is recognised as a companion qualification to English and a vital qualification for any further education career pathway involving communications, the press or publication.

MODERN LANGUAGES: FRENCH - NATIONAL 4/5



Purpose and Aims

The main purpose of the Course is to develop the skills of reading, listening, talking and writing in order to understand and use a foreign language.

This Course offers learners opportunities to develop and extend a wide range of skills. In particular, the Course aims to enable learners to develop the ability to:

- Read, listen, talk and write in a modern language.
- Understand and use a modern language
- Apply knowledge and understanding of a modern language

The Course contributes towards the development of literacy skills by providing learners with opportunities to reflect on how a modern language relates to English.

Units

The Courses comprise mandatory units: National 4 has three units and National 5 has two.

NATIONAL 4

- Understanding Language
- Using Language
- Added Value Unit: Assignment

NATIONAL 5

- Understanding Language
- Using Language

Assessment

NATIONAL 4

- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

NATIONAL 5

- Assessed piece of writing (12.5 % of Final Grade)
- The Performance (speaking test) internally marked (25 % of Final Grade)
- SQA end of year exams (62.5 % of Final Grade)
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning and understanding. Homework will vary and include learning vocabulary, written exercises, reading, research and IT based tasks.

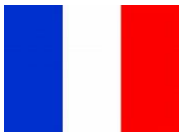
Progression

Success in National 4 could lead to National 5 in Modern Languages.
Success in National 5 could lead to Higher Modern Languages.

Career paths

Learning a modern language can lead to a wide range of courses at college and university, and a variety of careers such as: travel/tourism & hospitality, local and international media, law, journalism, marketing, scientific research, business, secretarial work, communications and sports writing to name just a few. Many popular University courses list a Higher in a Modern Language as one of their entry requirements, so you may wish to research this if you plan to attend University.

MODERN LANGUAGES: FRENCH - HIGHER



Purpose and Aims

The Higher Modern Languages course aims to further develop the knowledge and understanding gained in the National 5 course. Pupils learn to improve their ability to speak, listen, read and write in the foreign language. Increased emphasis is placed on using and understanding the language. Learners also develop their translation skills.

Units/Course Content

The Higher Modern Languages course consists of two units;

- Using Language - focusses on the skills of Speaking and Writing
- Understanding Language - develops Reading and Listening skills

Assessment

In order to pass the course, learners will have to pass three external assessments;

- Paper 1; Reading & Writing, worth 40% of the overall course mark
- Paper 2; Listening & Writing, worth 30 % of the overall course mark
- Performance; Presentation & Conversation, worth 30% of the overall course mark

External assessments are carried out/verified by SQA. Pupils will be awarded a Grade A-D.

Homework

Pupils will receive regular homework. They will be asked to learn new vocabulary, revise vocabulary they have already learned, complete reading/writing/listening tasks, and to spend time preparing oral work.
Pupils are expected to take responsibility for making sure homework is returned to their teacher on the specified date. The pace of the course is quite fast, and it is easy to fall behind.
Pupils also need to have access to a French/Spanish dictionary in order to complete homework tasks. At this level, an online translator is of little-to-no use.

Progression

Upon successful completion of the Higher course, pupils can opt to continue learning their chosen language at Advanced Higher level.

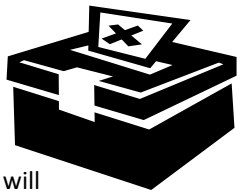
Career Paths

A Higher in a Modern Language can lead to success in careers such as: hospitality, retail, journalism, local government, translating, law, airline cabin crew, transport/distribution, travel/tourism, teaching, marketing and finance.
Universities highly value language skills, and language qualifications are taken into consideration when offering places on popular courses.

MODERN LANGUAGES: FRENCH – ADVANCED HIGHER

Any pupils interested in studying this subject at Advanced Higher level should see Mr McKeown, PT Modern Languages.

MODERN STUDIES - NATIONAL 4/5



Purpose and Aims

The purpose of this course is to develop pupils' knowledge and understanding of contemporary issues; they will learn about contemporary political and social issues at a local, Scottish, United Kingdom and International contexts. To aid that understanding there will be opportunities for practical activities, including research, both inside and outside of school.
Modern Studies is studied at a range of scales from local to global. It draws upon aspects politics, sociology and economics as well as ideas from the other social sciences and therefore has links with many other disciplines.
Through successful completion of this course, learners will develop a range of important and transferrable skills: they will be able to use a range of research and information handling skills as well as developing their written, analytical and communication skills.

Units

3 main units are studied:

- Democracy in the UK
- Crime and the Law
- World Issue: International Terrorism.

In addition pupils will complete an 'Added Value' unit. This involves researching information relating to a Modern Studies topic or issue which will then be collated, analysed and written up.

Assessment

NATIONAL 4

- Unit by unit assessment of 3 main units
- Completion and write up of research-based 'added value' unit
- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

NATIONAL 5

- 1 hour controlled assessment , writing up elements of the research-based assignment
- SQA end of year exam
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading, research and IT based tasks.

Progression

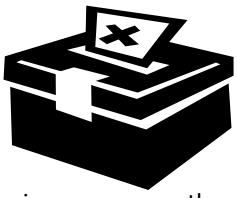
Success in National 4 could lead to National 5 Modern Studies.
Success in National 5 could lead to Higher Modern Studies.

Career paths

Modern Studies can lead to a wide range of courses at college and university and a variety of careers such as:

Aid worker
Armed forces
Civil servant
Community education
Consumer protection
Local government
Marketing
NHS administration
Police officer
Politician
Social worker
Social researcher
Sociologist
Teacher
Town planning
The media and advertising
Trade union work

MODERN STUDIES - HIGHER



Purpose and Aims

The purpose of this course is to develop pupils' knowledge and understanding and analysis of contemporary issues; they will learn about contemporary political and social issues at a local, Scottish, United Kingdom and International contexts. To aid that understanding there will be opportunities for practical activities, including research, both inside and outside of school.

Modern Studies is studied at a range of scales from local to global. It draws upon aspects of politics, sociology and economics as well as ideas from the other social sciences and therefore has links with many other disciplines.

Through successful completion of this course, learners will develop a range of important and transferrable skills: they will be able to use a range of research and information handling skills as well as developing their written, analytical and communication skills.

Units

3 main units are studied: Democracy in Scotland, Wealth and Health in the UK and World Power: The USA.
In addition pupils will complete an 'Assignment' unit. This involves researching information relating to a Modern Studies topic or issue which will then be collated, analysed and written up.

Assessment

- 1 hour 30 minutes controlled assessment , writing up elements of the research-based assignment
- SQA end of year exam
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading, research and IT based tasks.

Progression

Success in Higher could lead to Advanced Higher Modern Studies.

Career paths

Modern Studies can lead to a wide range of courses at college and university and a variety of careers such as:

Aid worker
Armed forces
Civil servant
Community education
Consumer protection
Local government
Marketing
NHS administration
Police officer
Politician
Social worker
Social researcher
Sociologist
Teacher
Town planning
The media and advertising
Trade union work

MODERN STUDIES - ADVANCED HIGHER

Entry Requirements

Higher Modern Studies (A/B pass preferred)

Purpose and Aims

The purpose of this course is to develop pupils' knowledge and understanding and analysis of contemporary issues; they will learn about contemporary political and social issues at a local, Scottish, United Kingdom and International contexts. To aid that understanding there will be opportunities for practical activities, including research, both inside and outside of school. Modern Studies is studied at a range of scales from local to global. It draws upon aspects of politics, sociology and economics as well as ideas from the other social sciences and therefore has links with many other disciplines.

Through successful completion of this course, learners will develop a range of important and transferrable skills: they will be able to use a range of research and information handling skills as well as developing their written, analytical and communication skills. In Advanced Higher Courses, learners will take much greater responsibility for their own learning and work more independently. They must be prepared to meet coursework submission deadlines during the course.

Units

Social Issues and Research Methods: within this context there are two social issues options of which one should be chosen — Law and Order or Social Inequality. You will study Law and Order.

Pupils will study at least 2 units from topic areas *a-c*:

a) Understanding the criminal justice system

b) Understanding criminal behaviour

c) Responses by society to crime.

d) Research methods - *all pupils are expected to complete this topic area*

In addition pupils will complete a project in the form of a dissertation. Students will build on the principles of Social Science research studied and applied in S4-5 and the research methods topic studied in S6 and will again apply these in practice. The dissertation requires contact with a range of external agencies and experts with sophisticated primary research and comprehensive secondary research.

Assessment

- Unit by unit assessment of 3 main units
- Dissertation (50 marks)
- SQA end of year exam (90 marks)
- Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading, research and IT based tasks.

Progression and Career Paths

Success in Advanced Higher Modern Studies could lead to progression to law, humanities and social science university courses and related careers such as:

Aid worker
Armed forces
Civil servant
Community education
Consumer protection
Local government
Marketing
NHS administration
Police officer
Politician
Social worker
Social researcher
Sociologist
Teacher
Town planning
The media and advertising
Trade union work

MUSIC - NATIONAL 4/5

What are the aims of the NAT 4/5 music course?

National 4/5 music courses are practical, experiential and fun and enable you to develop performing and creating skills. Through these integrated activities you will reinforce your listening skills as you develop your knowledge of music concepts and music literacy. There are opportunities for personalisation and choice and to develop your skills using music technology.

In addition to music skills you will learn and develop other ones including:

Communication	Self Reflection	Organisational
Problem Solving	ICT	Working with others

Research shows that by studying music you become more confident, a more independent learner and a creative thinker.

NATIONAL 4

What will I be studying in NAT 4?

NAT 4 consists of **three compulsory units** and **one added value unit**. **All units within NAT 4 are internally assessed.**

- **PERFORMING**
  You will develop performing skills on two instruments or one instrument and voice.
- **COMPOSING**
  You will use your understanding of music to create and develop your own musical ideas through composition, arranging and improvisation. Compositions may be recorded using a range of music technology and/or sound engineering equipment.
- **UNDERSTANDING**
  You will develop your understanding of music concepts and literacy by listening, performing and composing music from a wide range of styles including Pop, Scottish, Jazz, World Music and Classical music.
- **ADDED VALUE UNIT**
  You will prepare and perform an eight minute programme of music in a solo setting and/or as part of a group. **You will perform your programme to your teacher**.

What homework will I do?

You will develop your performing skills in class and will have the opportunity to borrow instruments to practise at home. You will revise your concepts using you tube activities, websites and revision DVDs. You will be able to access the music department during lunchtimes and after school to complete any given homework.

What can I do after NAT 4?

Pupils who successfully complete NAT 4 can progress on to NAT 5.

NATIONAL 5

What will I be studying in NAT 5?

NAT 5 consists of **three components**. **The final assessment** consists of **performing to an examiner** and sitting a **question paper** based on concepts covered in the course and a composition assignment.

- **PERFORMING**
  You will develop performing skills on two instruments or one instrument and voice.
- **COMPOSING**
  You will complete a composing assignment. You will use your understanding of music to create and develop your own musical ideas through composition, arranging and improvisation. Compositions may be recorded using a range of music technology and/or sound engineering equipment.
- **UNDERSTANDING**
  You will develop your understanding of music concepts and literacy by listening, performing and composing music from a wide range of styles including Pop, Scottish, Jazz, World Music and Classical music.

Performance Exam – 50 %
Listening Exam – 35 %
Composing Assignment – 15 %

What homework will I do?

You will develop your performing skills in class and will have the opportunity to borrow instruments to practise at home. You will revise your concepts using you tube activities, websites and revision DVDs. You will be able to access the music department during lunchtimes and after school to complete any given homework.

What can I do after NAT 5?

Pupils who successfully complete NAT 5 may progress on to Higher.

Career Paths

Composer
Instrumental Teacher
Multimedia Designer
Music Critic
Music Journalist
Music Teacher
Music Therapist
Performer
Sound Engineer

MUSIC – HIGHER

What are the aims of the HIGHER music course?

The Higher music course is practical, experiential and fun and enables you to develop performing and creating skills. Through these integrated activities you will reinforce your listening skills as you develop your knowledge of music concepts and music literacy. There are opportunities for personalisation and choice and to develop your skills using music technology. The course is designed to allow learners to work both individually and collaboratively with others and to make decisions and take responsibility for their own learning.

In addition to music skills you will learn and develop other ones including:

Communication	ICT	Organisational
Problem Solving	Self Reflection	Working with others

Research shows that by studying music you become more confident, a more independent learner and a creative thinker.

What will I be studying in HIGHER?

Higher music consists of **three components. The final assessment** consists of **performing to an examiner** and sitting a **question paper** based on concepts covered in the course as well as a composing assignment.

- **PERFORMING**
  You will develop performing skills on two instruments or one instrument and voice. You will develop your technical and musical performance skills through practice and self-reflection.
- **COMPOSING**
  You will analyse how musicians and composers create music in different ways.
  You will use your understanding of music to create and develop your own musical ideas through composition.
  You will self-reflect on your own composition and review your compositional process.
- **UNDERSTANDING**
  You will develop your understanding of music concepts and literacy by listening, performing and composing music from a wide range of styles and genres.

Performance Exam – 50 %
Listening Exam – 35 %
Composition – 15 %

What homework will I do?

You will develop your performing skills in class and will have the opportunity to borrow instruments to practise at home. You will revise your concepts using you tube activities, websites and revision DVDs. You will be able to access the music department during lunchtimes and after school to complete any given homework.

What can I do after HIGHER?

Pupils who successfully complete Higher may progress on to Advanced Higher.

Career Paths

Composer	*Instrumental Teacher*	*Multimedia Designer*	*Music Critic*	*Music Journalist*
Music Teacher	*Music Therapist*	*Performer*	*Sound Engineer*	

MUSIC - ADVANCED HIGHER

What are the aims of the ADVANCED HIGHER music course?

The Advanced Higher music course is practical, experiential and fun and enables you to develop performing and creating skills. Through these integrated activities you will reinforce your listening skills as you develop your knowledge of music concepts and music literacy. There are opportunities for personalisation and choice and to develop your skills using music technology. The course is designed to allow learners to work both individually and collaboratively with others and to make decisions and take responsibility for their own learning.

In addition to music skills you will learn and develop other ones including:

Communication	ICT	Organisational
Problem Solving	Self Reflection	Working with others

Research shows that by studying music you become more confident, a more independent learner and a creative thinker.

What will I be studying in ADVANCED HIGHER?

Advanced Higher music consists of **three components**. **The final assessment** consists of **performing to an examiner** and sitting a **question paper** based on concepts covered in the course.

- **PERFORMING**
  You will develop performing skills on two instruments or one instrument and voice. You will develop your technical and musical performance skills through practice and self-reflection.
- **COMPOSING**
  You will analyse how musicians and composers create music in different ways.
  You will use your understanding of music to create and develop your own musical ideas through composition or arranging. You will self-reflect on your own composition and review your compositional process.
  You will analyse a chosen piece of music
- **UNDERSTANDING**
  You will develop your understanding of music concepts and literacy by listening, performing and composing music from a wide range of styles and genres.

Performance Exam – 50 %
Listening Exam – 35 %
Composition – 15 %

What homework will I do?

You will develop your performing skills in class and will have the opportunity to borrow instruments to practise at home. You will revise your concepts using you tube activities, websites and revision DVDs. You will be able to access the music department during lunchtimes and after school to complete any given homework.

What can I do after ADVANCED HIGHER?

Pupils who successfully complete Advanced Higher can go on to study music at Further or Higher education level.

Career Paths

Composer	*Instrumental Teacher*	*Multimedia Designer*	*Music Critic*	*Music Journalist*
Music Teacher	*Music Therapist*	*Performer*	*Sound Engineer*	

MUSIC TECHNOLOGY - NATIONAL 4/5

What are the aims of the NAT 4/5 Music Technology course?

National 4/5 Music Technology courses are practical, experiential, fun and enable you to develop your knowledge and understanding of music technology and concepts relating to 20th and 21st century music. You will be using music technology hardware and software to manipulate audio as well as developing a broad understanding of the music industry. There are opportunities for personalisation and choice and to develop your skills using music technology. There is **NO PERFORMANCE** element in the Technology course.

In addition to technology skills you will learn and develop other ones including:

Communication	ICT	Organisational
Problem Solving	Self Reflection	Working with others

NATIONAL 4

What will I be studying in NAT 4?

NAT 4 consists of **three compulsory units** and **one added value unit**. **All units within NAT 4 are internally assessed.**

- **UNDERSTANDING 20th AND 21st CENTURY MUSIC**
  You will explore and be able to identify a range of concepts related to modern music.
  You will explore the influence of music technology on music.
  You will develop an understanding of the music industry and explore copyright.
- **MUSIC TECHNOLOGY SKILLS**
  Pupils will learn to record musicians, edit and mix recordings and create final tracks.
- **MUSIC TECHNOLOGY IN CONTEXT**
  You will develop technological skills and demonstrate these skills through short activities including:

Radio jingles	TV Adverts	Film Soundtracks
Gaming music	Ringtones	TV programmes

You will record **one stereo master assignment** of a piece of music consisting of a **minimum of four parts** which will involve the use of **microphones**. You will show evidence of planning, implementing and evaluating your recording.

What homework will I do?

You will develop your technology skills in class and will be able to access the music department during lunchtimes and after school to complete any given homework.

What can I do after NAT 4?

Pupils who successfully complete NAT 4 may progress on to NAT 5.

NATIONAL 5

What will I be studying in NAT 5?

NAT 5 Music Technology consists of **two components,** an assignment which will consist of two projects from radio broadcast, film Foley, audiobook and multitasking.
You will show evidence of planning, implementing and evaluating your recording. You will also sit a **question paper** based on music technology concepts and those relating to modern music.

Stereo master assignment – 70%
Listening paper – 30%

What homework will I do?

You will develop your technology skills in class and will be able to access the music department during lunchtimes and after school to complete any given homework.

What can I do after NAT 5?

Pupils who successfully complete NAT 5 may progress on to Higher.

Career Paths

Computer Games
Music Producer
Programmer
Radio, TV, Films and Commercials
Sound Designer
Sound Engineer
Studio Manager/Owner
Websites

MUSIC TECHNOLOGY - HIGHER

What are the aims of the HIGHER Music Technology course?

The Higher Music Technology course is practical, experiential, fun and enables you to develop your knowledge and understanding of music technology and of concepts relating to 20th and 21st century music. You will be using music technology hardware and software to manipulate audio as well as developing a broad understanding of the music industry. There are opportunities for personalisation and choice and to develop your skills using music technology. There is **NO PERFORMANCE** element in the Technology course.

In addition to technology skills you will learn and develop other ones including:

Communication	ICT	Organisational
Problem Solving	Self Reflection	Working with others

What will I be studying in HIGHER?

Higher music technology consists of **two components. The final assessment** consists of a **listening paper** and an **assignment** which could consist of a radio broadcast, film Foley or audiobook and must be combined with a multi-tracked recording.

Stereo master assignment – 70%
Listening exam – 30%

What homework will I do?

You will develop your technology skills in class and will be able to access the music department during lunchtimes and after school to complete any given homework.

What can I do after HIGHER?

Pupils who successfully complete Higher can progress on to Advanced Higher.

Career Paths

Computer Games
Music Producer
Programmer
Radio, TV, Films and Commercials
Sound Designer
Sound Engineer
Studio Manager/Owner
Website

PC PASSPORT - NPA

PC Passport is a modern qualification that will teach you how to use contemporary software such as Word, Excel and Powerpoint. It not only covers how to use the basic functions of these packages, but you will also learn how to use the collaborative and cloud-based features of the packages. You will improve skills in key areas preparing you for employment and further study. The NPA PC Passport at SCQF levels 4, 5 and 6 provides you with up-to-date knowledge and skills in a range of popular IT software, such as Office 365.

This qualification will give you opportunities to:

▪ develop the knowledge and skills that will enable you to create, store and share your word processing, spreadsheet and presentations.

▪ develop your knowledge and understanding of the use of web-based applications and services.

These skills and knowledge you acquire are valuable and recognised in the world of work and they are an excellent addition to enhance your CV and any application forms in your future.

Units

You will complete the following units, and learn the following skills:

Word Processing

▪ Expand and develop your skills using Word to create professional documents, letters, and information leaflets.

▪ Develop your understanding of creating and presenting information appropriate for a range of purposes.

Spreadsheets

▪ You will use spreadsheet tools and techniques to summarise and display information for a range of purposes.

▪ Select and use appropriate tools and techniques to generate, develop and format charts and graphs.

Presentations

▪ You will gain knowledge and skills in using presentation application packages to create multimedia presentations.

▪ You will also develop an understanding of how to use a cloud service to store and share a presentation online.

Assessment

Assessment is ongoing throughout the course with a mixture of online and practical assessment. For each unit that you have completed, you will be awarded that unit. You will need to pass all 3 units to get the whole NPA awarded to you.

Homework

Pupils will be expected to complete homework on a regular basis.

Progression:

The knowledge and skills you will gain are directly relevant to the world of business and employment and, as such, are important elements in the portfolio of skills and knowledge which you can take to further education or the job market.

PHYSICAL EDUCATION - NATIONAL 4/ 5

Purpose and Aims

The main purpose of the course is to develop and demonstrate movement and performance skills in physical activities. By engaging in practical activities, learners can demonstrate initiative, decision-making and problem-solving. This is a practical based course.
Learners will participate in 5 activities throughout the year. The activities are likely to be handball, volleyball, swimming, table-tennis and fitness. These are subject to change. Pupils must be prepared to participate in **ALL** areas of the course in order to pass. The skills, knowledge and understanding that learners acquire by successfully completing this course are transferable to learning, to life and to the world of work.

Course Requirements

In order to participate fully and access as good a practical mark as possible, it is an expectation that the pupils participate in one sport competitively.

Units

2 units are studied:

- Performance skills
- Portfolio

In addition pupils will complete an 'Added Value' unit (National 4 only). This involves a performance where pupils will demonstrate their ability to apply skills in a competitive or demanding situation.
The Portfolio will investigate the many factors that come together to create a skilled performance. Pupils will explore these factors in detail and implement what they have learned in their own training and their own performances. The Portfolio will be completed electronically and sent away for external marking from the SQA.

Assessment

The course assessment for National 5 will be split into 2 areas-practical performance and a portfolio. The performance element is worth 50% of the overall grade and the portfolio is worth 50%.
The purpose of the performance is to assess the learner's ability to plan, prepare for, effectively perform, and evaluate personal performance in one physical activity. The context for the performance must be challenging, competitive and/or demanding.
In the portfolio, learners will show evidence of how they have undertaken their own performance improvement programme. Through using various forms of feedback they will show how they identified strengths and weaknesses in their own performance, they will demonstrate some of the actions that they have taken to develop these weaknesses, and finally they will reflect on the process and suggest future improvements.

NATIONAL 4

- Completion of 'added value' unit
- All units internally assessed
- No end of year exam
- Awarded on a pass/fail basis

NATIONAL 5

- Practical Performance assessment (50%)
- Portfolio (50%)
- No end of year exam
- Graded A-D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills.

Progression

Success in National 4 will lead to entry to National 5 Physical Education
Success in National 5 may lead to entry to Higher Physical Education

Career paths

P.E. can lead to a wide range of courses at college and university and a variety of careers such as:

- *PE Teacher*
- *Sports Coach*
- *Sports Nutrition*
- *Sport, Health & Exercise*
- *Physiotherapy*
- *Sports Journalism*
- *Dance*
- *Personal Trainer*
- *Exercise Physiology*
- *Strength & Conditioning Coach*
- *Sports Marketing*
- *Outdoor Education*
- *Sports Psychology*
- *Active Schools Co-ordinator*
- *Leisure Attendant*
- *Sports Development*

PHYSICAL EDUCATION - HIGHER

Purpose and Aims

The Higher Physical Education Course allows learners to develop and demonstrate a broad and comprehensive range of complex movement and performance skills in challenging contexts. Learners also analyse a performance, understand what is required to develop it, and apply this knowledge to their own performance. This is a practical based course. Learners will participate in a number of activities throughout the year. The activities are likely to be basketball, volleyball, swimming and badminton. These are subject to change. Pupils MUST be prepared to participate in all areas of the course in order to pass.

Units

2 units are studied: Performance Skills, Factors Impacting on Performance

- **Physical Education: Performance Skills (Higher)**
  In this Unit, learners will develop a broad and comprehensive range of complex movement and performance skills through a range of physical activities. They will select, demonstrate, apply and adapt these skills, and will use them to make informed decisions. They will also develop their knowledge and understanding of how these skills combine to produce effective outcomes. Learners will develop consistency, precision, control and fluency of movement. They will also learn how to respond to and meet the demands of performance in a safe and effective way. The Unit offers opportunities for personalisation and choice through the selection of physical activities used for learning and teaching.
- **Physical Education: Factors Impacting on Performance (Higher)**
  In this Unit, learners will develop their knowledge and understanding of the factors that impact on personal performance in physical activities. Learners will consider how mental, emotional, social, and physical factors can influence effectiveness in performance. They will develop knowledge and understanding of a range of approaches for enhancing performance and will select and apply these to factors that impact on their personal performance. They will create development plans, modify these and justify decisions relating to future personal development needs.

Assessment

The course assessment will be split into 2 areas-practical performance and an external examination. The performance element is worth 50% of the overall grade and the external exam is worth 50%.

The pupils will take part in 2 special performances. In these performances, the pupils will be assessed on their ability to plan and prepare for an effective performance. The context for the performance must be challenging, competitive and/or demanding.

NATIONAL 5

- Practical Performance assessment (50%)
- Portfolio – Externally Assessed (50%)
- Graded A-D

HIGHER

- Practical Performance Assessment (50%)
- External Examination (50%)
- Graded A-D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills.

Progression

This Course or its Units may provide progression to:

- Advanced Higher Physical Education Course
- Higher National Certificates
- Higher Education degrees
- Further study, employment and/or training

Career paths

P.E. can lead to a wide range of courses at college and university and a variety of careers such as:

- *PE Teacher*
- *Sports Coach*
- *Sports Nutrition*
- *Sport, Health and Exercise*
- *Physiotherapy*
- *Sports Journalism*
- *Dance*
- *Personal Trainer*
- *Exercise Physiology*
- *Strength and Conditioning Coach*
- *Sports Marketing*
- *Outdoor Education*
- *Sports Psychology*
- *Active Schools Co-ordinator*
- *Leisure Attendant*

PHYSICS - NATIONAL 4/5

"We are just an advanced breed of monkeys on a minor planet of a very average star. But we can understand the Universe. That makes us something very special."

Stephen Hawking

Why choose physics? Are you interested in the limits of space? How does the technology around you work? Whatever you do, the knowledge and skills you gain by studying physics will be useful. However you must be prepared to work hard, ask questions and practice calculations to ensure success in a physics course.

Purpose and Aims

The aims of the course are to develop

- knowledge and understanding of physics.
- an understanding of the role of physics in science, society and the environment and the impact it can have.
- a variety of skills – inquiry, investigative, thinking skills, analysis, planning, independent working, communicating ideas, making scientifically informed choices,
- the ability to use technology, equipment and materials, safely, in practical scientific activities

Topics Studied

- Waves
- Dynamics
- Radiations
- Electricity
- Energy
- Space

In addition pupils will complete an assignment at National 5 level or an added value unit at National 4 level

Study

All pupils are expected to revise and study at home on a regular basis. Study materials will be varied: research, practice questions, completion of class work, producing presentations, using online materials.

Progression

Success in National 4 could lead to National 5 Physics, National 4 Courses in other science subjects, NPA Practical Science, Skills for Work Courses, Employment/Training, College courses.

Success in National 5 could lead to Higher Physics, National 5 Courses in other science subjects, Skills for Work Courses, Employment/Training, College courses.

Assessment

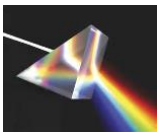
	NATIONAL 4	***NATIONAL 5***
Topic Assessment	• Test at the end of each topic • Experimental write up	• There are no official internal SQA assessments. There will be departmental assessments as a check on progress
Assignment	Open book assessment: Present the results of investigating a topical issue in physics and its impact on society/the environment as the 'added value' unit.	Open book assessment: carry out an experiment, research the physics behind the topic and compare data to internet source. 20 % of overall mark.
SQA Exam	*No Exam*	*External exam = 80% of final grade*
Grading	*Pass/Fail*	*A – D*

Career Paths

Physics can lead to a wide range of apprenticeships, jobs, courses at college and university:

All types of engineering (Civil, Structural, Surveyor, Sound, Electronic, Mechanical), medical careers (Dentist, Optician, Pharmacist, Technicians) and a whole host of others from car mechanic to computer games designer!

PHYSICS - HIGHER



"Not only is the Universe stranger than we think, it is stranger than we can think."
Werner Heisenberg, *Across the Frontiers*

Why choose physics?

Are you interested in the limits of space? How does the technology around you work? Whatever you do, the knowledge and skills you gain by studying physics will be useful. However you must be prepared to work hard, ask questions, revise each days work at home and practice calculations to ensure success in a physics course.

Purpose and Aims

The purpose of the Course is to develop learners' curiosity, interest and enthusiasm for Physics in a range of contexts. The skills of scientific inquiry and investigation are developed throughout the Course.
The relevance of physics is highlighted by the study of the applications of physics in everyday contexts. This will enable learners to become scientifically literate citizens, able to review the science-based claims they will meet.

The main aims of this Course are for learners to:

- develop and apply knowledge and understanding of physics
- develop skills in planning, problem solving, independent working, experimenting, analysing, evaluating
- communicate ideas and issues and make scientifically informed choices
- develop an understanding of the role of physics in scientific issues and relevant applications of physics, including the impact these could make in society and the environment

Topics

- Electricity
- Dynamics
- Space
- Particles
- Waves

Study

All pupils are expected to revise and study at home on a regular basis. Study materials will be varied: research, practice questions, completion of class work, producing presentations, using online materials.

Progression

Success in Higher Physics could lead to Advanced Higher Physics or other science subjects at different levels, Skills for Work Courses, Employment/Training, College courses, University Courses

Assessment	*Higher Physics*
Unit Assessment	No official internal SQA assessments. There will be departmental assessments as a check on progress.
Assignment	Students write up an investigation of their choice. Sent to SQA for marking.
SQA Exam	Externally assessed exam
Grading	A - D

Career Paths

Physics can lead to a wide range of apprenticeships, jobs, courses at college and university:
All types of engineering (Civil, Structural, Surveyor, Sound, Electronic, Mechanical), medical careers (Dentist, Optician, Pharmacist, Technicians) and a whole host of others from car mechanic to computer games designer!

PHYSICS - ADVANCED HIGHER

"Physics is really nothing more than a search for ultimate simplicity, but so far all we have is a kind of elegant messiness."
— Bill Bryson, *A Short History of Nearly Everything*

Why choose physics?

It provides an excellent grounding for the future study of physics and physics-related subjects, the course also equips all learners with an understanding of the positive impact of physics on everyday life.

Purpose and Aims

To develop a critical understanding of the role of physics in scientific issues and relevant applications, including the impact these could make on the environment/ society.

- extend and apply knowledge, understanding and skills of physics
- develop and apply the skills to carry out complex practical scientific activities, including the use of risk assessments, technology, equipment and materials
- develop and apply scientific inquiry and investigative skills, including planning and experimental design
- develop and apply scientific analytical thinking skills, including critical evaluation of experimental procedures in a physics context
- further develop an understanding of scientific literacy, using a wide range of resources, in order to communicate complex ideas and issues and to make scientifically informed choices
- extend and apply skills of independent/autonomous working in physics

Topics

Rotational Motion and Astrophysics (The topic introduces rotational Motion, an astronomical perspective is developed through a study of gravitation, leading to work on general relativity and stellar physics.)

Quanta and Waves (The topic introduces non-classical physics and considers the origin and composition of cosmic radiation. Simple harmonic motion is introduced and work on wave theory is developed.)

Electromagnetism (The topic develops knowledge and understanding of electric and magnetic fields and capacitors and inductors used in d.c. and a.c. circuits.)

Study

All pupils are expected to revise and study at home on a regular basis.

Progression

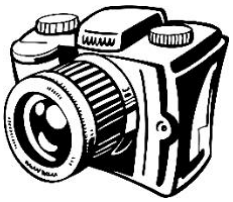
HND/degree programmes in a physics-based course or a related area, such as engineering, electronics, computing, design, architecture or medicine

Assessment	*Advanced Higher Physics*
Topic Assessment	No official SQA assessments. There will be departmental assessments as a check on progress.
Project	Marks awarded out of 30 which go towards the overall grade when combined with the SQA exam.
SQA Exam	3 hour exam worth 155 marks.
Grading	A - D

Career Paths

Careers in a physics-based discipline or related area, or in a wide range of other areas, such as oil and gas exploration, renewable energy, construction, transport or telecommunications.

PHOTOGRAPHY - HIGHER



Purpose and Aims of the Course

The course encourages learners to be inspired and challenged by visually representing their personal thoughts and ideas through the medium of photography. Using an integrated approach to learning, learners will plan, develop and produce imaginative photographs. They will also develop their appreciation of photographic work and practice. The skills that learners acquire by successfully completing the course will be valuable for learning, life and work.

The aims of the course are for learners to:

- communicate personal thoughts, feelings and ideas using photography
- develop technical and creative skills in using photographic media, techniques and processes
- develop knowledge and understanding of a range of photography practice
- develop skills in problem solving, critical thinking and reflective practice
- analyse the impact of social and cultural influences on photographers and their work

Course Structure

Component	Marks
Question Paper	30
Project	100

Question Paper

The question paper assesses learners' knowledge and understanding of photographic work and practice. The question paper is set and marked by the SQA, and conducted under exam conditions.
The questions are designed to test learners' ability to:

- demonstrate knowledge and understanding of the properties of light and image formation, camera controls, and image making techniques and their effects.
- analyse examples of photography.

Project

The photography project assesses learners' ability to integrate and apply their creative and technical skills and their knowledge and understanding of photographic practice. Learners' must plan and carry out a selected photography project. They research and investigate their project topic. Drawing on this material, they develop their own creative response by carrying out practical photography work. From this development work, learners' select and present a series of 12 images that communicate the project topic. Learners' also evaluate the effectiveness of their photographic work and practice.

Homework

All pupils will complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include researching and developing ideas through photography and sketchbook work. Pupils will also receive written homework and revision tasks.

Recommended Entry

The Higher Photography course is a creative and technical course that includes a written exam paper. To access this course we suggest that pupils have National 5/Higher English and/or National 5/Higher Art and Design.

Progression

Success at Higher could lead to Advanced Higher Art and Design. There are also a wide range of Art and Design, and Photography courses on offer at Dundee College at HNC and HND levels.

Career Paths

Photography can lead to a wide range of courses at college and university and a variety of careers such as:

- Animation
- Costume and Theatre
- Design
- Fashion Design
- Game Design
- Graphic Design
- Illustrator
- Interior Designer
- Photographer
- Product Designer
- Teaching

PRACTICAL METALWORKING – NATIONAL 4/5

Purpose and Aims

The Course is practical, exploratory and experiential in nature. It combines elements of technique and standard practice with elements of creativity.
The Course provides opportunities for learners to gain a range of practical skills and to use a variety of tools, equipment and materials. It allows them to plan activities through to the completion of a finished product in wood.
The Course also gives learners the opportunity to develop thinking, numeracy, and employability, enterprise and citizenship skills.

Units

The Course comprises four mandatory Units including the Added Value Unit.

- Bench Skills
- Machine Processes
- Fabrication and Thermal Joining
- Making a Finished Product from Metal (Added Value unit)

Assessment

NATIONAL 4

- Unit by unit assessment of 3 main units
- Completion of assignment 'added value' unit
- All units internally assessed
- No end of year exam

NATIONAL 5

- Completion of course assignment
- End of year exam

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills.
Homework will vary and include drawing and written exercises and reading.

Progression

Success in National 4 could lead to National 5 Practical Metalworking.
Other qualifications in practical technologies or related areas.
Further study, employment and/or training.

PRACTICAL WOODWORKING - NATIONAL 4/5

Purpose and Aims

The Course is practical, exploratory and experiential in nature. It combines elements of technique and standard practice with elements of creativity.
The Course provides opportunities for learners to gain a range of practical woodworking skills and to use a variety of tools, equipment and materials. It allows them to plan activities through to the completion of a finished product in wood.
The Course also gives learners the opportunity to develop thinking, numeracy, and employability, enterprise and citizenship skills.
The aims of the Course are to enable learners to develop:

- skills in woodworking techniques
- skills in measuring and marking out timber sections and sheet materials
- safe working practices in workshop environments practical creativity and problem-solving
- skills knowledge of sustainability issues in a practical woodworking context**.**

Units

The Course comprises four mandatory Units including the Added Value Unit.
The three units are Flat Frame Construction, Carcase Construction and Machining & Finishing. The added value unit is Making a Finished Product from Wood.

Assessment

NATIONAL 4

- Unit by unit assessment of 3 main units
- Completion of assignment 'added value' unit
- All units internally assessed
- No end of year exam

NATIONAL 5

- Completion of course assignment
- End of year exam

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills.
Homework will vary and include drawing and written exercises and reading.

Progression

Success in National 4 could lead to National 5 Practical Woodworking.
Success in National 5 could lead to National 5 Practical Metalwork.

Career Paths

Practical woodworking can lead to a wide range of courses at college and university and a variety of careers such as

Joiner	*Plumber*	*Welder*	*Engineer*
Mechanic	*Apprentice*	*Electrician*	*Construction*

PRACTICAL SCIENCE – NPA

Why choose Practical Science?

Are you interested in the world of forensics? Do you want to study the human body? Do chemical reactions make you think about what is happening? Are you interested in nuclear energy? Would you like to learn about how you see? Perhaps this course is for you. It covers a wide range of scientific topics and would be a very different and interesting course to study.

Purpose and Aims

The purpose of the Course is to develop learners' curiosity, interest and enthusiasm for science in a range of contexts. The skills of scientific inquiry and investigation are developed throughout the Course.
The relevance of science is highlighted by the study of the applications in everyday contexts. This will enable learners to become scientifically literate citizens, able to review the science-based claims they will meet.

The main aims of this Course are for learners to:

- Develop knowledge and understanding of biology, chemistry, and physics
- Develop skills in good laboratory practice
- Develop an understanding of science health and safety
- Allow candidates to see progression and achievement timeously.
- Encourage candidates to take charge of their own learning and development.

Units

- Introduction to Chemistry
- Waves and Optics
- Radioactivity
- The Human Body
- Forensic Science: Applications

Homework

All pupils are expected to revise and study at home on a regular basis. Homework will be varied: research, practice questions, completion of class work, producing presentations, using online materials.

Progression

Success in the National Progression Award in Practical Science could lead to, Skills for Work Courses, Employment/Training and access to College courses

Assessment	*National Progression Award in Practical Science*
Unit Assessment	Most units have a test that students must pass. In addition students must produce experimental write ups and short research reports.
SQA	All work is internally assessed and verified by SQA.
Grading	Pass / Fail

Prior Qualifications Required

All students wishing to study this qualification should have completed a National 4 Award in either Biology, Chemistry or Physics.

Career Paths*:*

Science can lead to a wide range of apprenticeships, jobs and courses at college. This qualification could lead into a National Certificate at college or further training.

This qualification can provide an entry level point for people who wish to pursue a career in STEM related areas. This is seen to be of particular importance given the existing and projected shortfall in suitably qualified individuals in these areas.

RMPS - NATIONAL 4/5/HIGHER

Purpose and Aims

As we develop as people, it is important to know about the beliefs and values of others in order to understand and appreciate similarities and differences. It is also important to understand why we hold certain beliefs and attitudes. This course aims to teach pupils about the variety of different cultures, religions, philosophies and belief systems within society. Each unit also encourages critical thinking and further develops analysis and evaluation skills.

The course consists of 3 units

Morality and Belief

Pupils investigate moral questions such as:

- Should a society be allowed to use capital punishment?

Religious and Philosophical Questions

Pupils examine questions and looks at various responses, religious and non-religious, to these dilemmas. These include:

- Where did the universe originate from?
- Does God exist?

World Religions

Further study is taken into ONE of the main world religions chosen from e.g. Buddhism OR Islam OR Judaism. Pupils look at what the religion teaches and why its followers behave as they do. Why do we agree or disagree with their ideas and opinions about the big questions in life?

In addition pupils will use the skills and knowledge they have learned throughout the course to carry out an in-depth investigation into a topic or issue of their choice.

NATIONAL 4	NATIONAL 5	HIGHER
• Unit by unit assessment of 3 main units • Completion and write up of in-depth investigation 'added value' unit • All units internally assessed • No end of year exam • Awarded on a pass/fail basis	• Unit by unit assessment of 3 main units • 1 hour controlled assessment 'added value' unit • SQA end of year exam • Final award graded A to D	• 3 main units • 1.5 hour controlled assessment • SQA end of year exam • Final award graded A to D

Homework

All pupils will be expected to complete homework in order to reinforce and develop learning, understanding and skills. Homework will vary and include written exercises, reading, research and IT based tasks.

Progression

Success in National 4 could lead to National 5 RMPS, Philosophy or Psychology.

Success in National 5 could lead to Higher RMPS or Philosophy or Psychology.

Success in Higher can lead to Advanced Higher RMPS.

Career paths

A good understanding of people, their beliefs, values and customs should be essential in any career choice, but the skills and attitudes fostered in RMPS may be particularly applicable in the following career choices. Aid worker, Armed forces, Business Career, Charity fundraiser, Client care, Diversity, Human Resources, Healthcare, Hospitality, Journalism, Law and order, Lawyer, Politics, Psychology, Social Work, teaching, travel industry and many other careers or lead to a wide range of courses at college and university.