

Inverurie Academy



Senior Phase Course Information

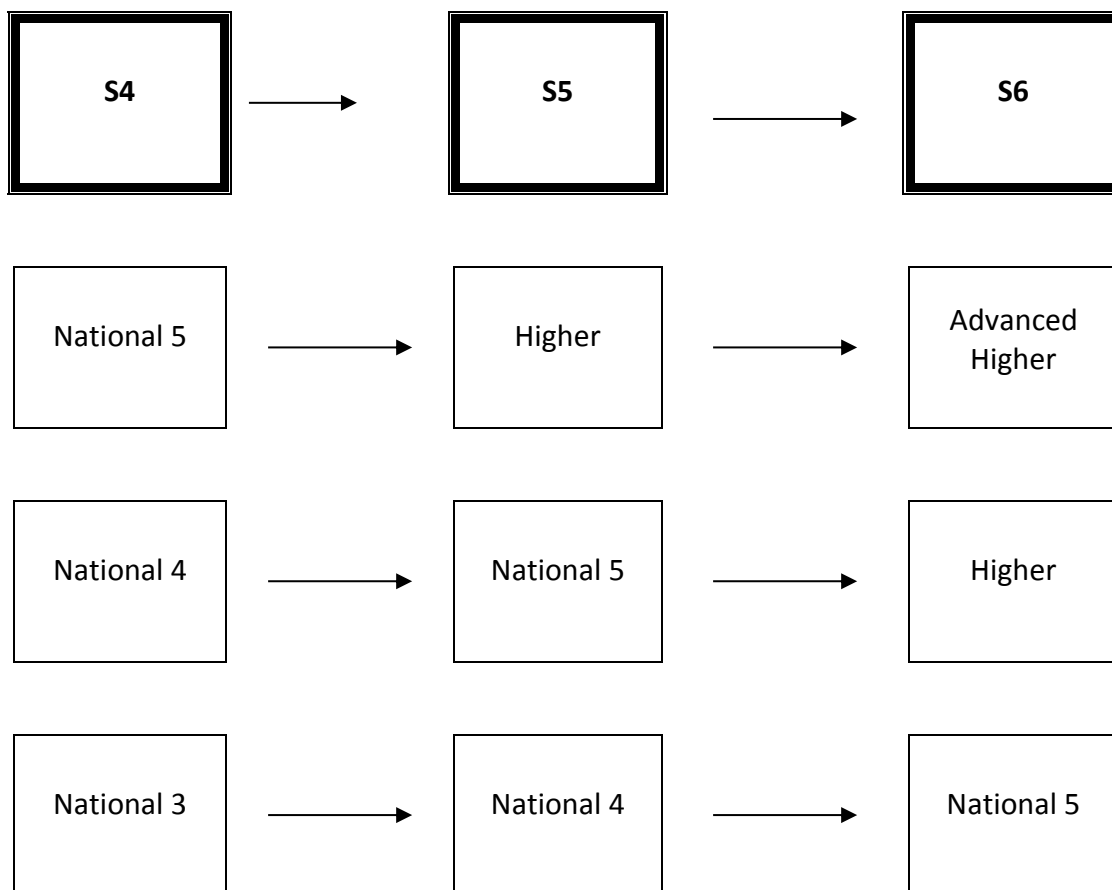


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Progression Routes

A series of different progression pathways between levels of course is outline below. During each of your senior years, you have the opportunity to study courses at a level which will build on your existing knowledge.



Some examples of ways that you may be able to progress in many subject areas are:

- If you achieve a National 3 in Maths you might move to National 4 Maths
- If you achieve a National 4 in Chemistry you might move to National 5 Chemistry
- If you achieve a National 5 in French you might move to Higher French
- If you achieve a National 5 in Business you might move to Higher or National 5 Accounting
- If you achieve a National 5 in Physics you might move to Higher or National 5 Engineering Science

It is also possible to take a completely new subject in S4, S5 or S6 to give breadth rather than depth.

Accounting – National 5

Course Aims

Accountants help organisations to succeed. They develop effective accounting procedures and provide financial information to management.

A knowledge of Accounting can open many doors in the job market, including careers in business, finance, IT consulting, law and management consulting. But, even if you are not planning a career in accounting, the course will develop skills that can help you manage your personal finances or have an understanding in any business context.

Accounting has a large practical component. You will learn from real-life situations that develop your skills. You can then apply your skills in an assignment that communicates financial information to people who are interested in an organisation's performance.

Course Specification

The course has three compulsory units, plus the added value unit that assesses your practical skills.

Preparing Financial Accounting Information

In this unit you will learn:

- to use accounting concepts and techniques to prepare financial information
- to use ICT in accounting-related contexts.
- to become skilled at recording financial accounting transactions and in the preparation of financial statements.
- about key financial accounting terms, and how they are applied

Preparing Management Accounting Information

In this unit you will learn:

- to prepare cash budgets and cost statements
- to study how to use key management accounting terms

Analysing Accounting Information

In this unit you will learn:

- to interpret, analyse and evaluate accounting information to assess the financial position of an organisation
- to use a range of analytical concepts in financial decision-making

Added Value Unit: Accounting Practical Activity

In this unit you will:

- carry out a practical assignment in a specific accounting context
- be required to use your accounting skills and make relevant use of ICT skills

Assessment Specification

Your teacher will assess your work throughout the course.

Items of work might include

- practical work either on paper or on spreadsheets (such as ledger accounts, break-even analyses, cash budgets)
- written work (research assignments, reports and case studies)
- projects
- class-based exams

You will also sit a written exam marked by the Scottish Qualification Authority. You must also pass the course units, including the practical assignment, and the written exam to be awarded the course qualification.

The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course

Possible Progression

If you complete the course successfully, it may lead to Higher Accounting, Higher or National 5 Business, Higher or National 5 Administration or Computer Science.

You may also undertake further study, training or employment in Finance or Business.

Cost of Consumables

There are no consumables required for this course.

Accounting – Higher
Course Aims
<p>This course is designed to enable you to acquire the skills and knowledge necessary for understanding and taking part in the world of business.</p> <p>Even if you are not planning a career in business, this subject helps to improve your personal effectiveness by developing your ability to think logically, work accurately, make decisions and solve problems</p>
Recommended Entry Requirements
<p>This is at the discretion of the school/teacher but you would normally be expected to have attained one of the following:</p> <ul style="list-style-type: none"> - National 5 Accounting - Higher Maths - Higher Business Management - Standard Grade Business Management at Credit level - Standard Grade English at Credit level
Course Specification
<p>The course comprises the following units:</p> <p>Financial Accounting</p> <p>Topics covered include:</p> <ul style="list-style-type: none"> - Characteristics of different business types; preparation of Final Accounts – Manufacturing, Trading and Profit and Loss Accounts and Balance Sheets, Cash flow statements. - Analysis of performance of companies using ratio analysis. - Spreadsheets – development and practice <p>Management Accounting</p> <p>Topics covered include:</p> <ul style="list-style-type: none"> - Classification of costs; preparing overhead job, marginal, process, and absorption of costing statements. Production and cash budgets. Spreadsheet development and practice. - Using break-even analysis, decision making, analysing performance and financial position, cost projections. Spreadsheets used as appropriate.

Assessment Specification

Your teacher will assess your work throughout the course.

Items of work might include

- practical work (spreadsheets, balance sheets)
- written work (reports)
- homework assignments
- class-based assessments

To achieve this award, the learning outcomes of each unit must be achieved. These are assessed in school in accordance with the SQA guidelines. In addition there is also a final examination set by the SQA.

The course assessment is graded A-D. Your grade will depend on the total mark your exam.

Possible Progression

On successful completion of this course, it may lead to Higher Administration, Higher Business Management or Advanced Higher Accounting.

You may also undertake further study, training (HNC/HND/Degree) or employment in Accounting or Business.

Cost of Consumables

There are no consumables required for this course.

Accounting – Advanced Higher	Faculty of Business & Information Technology
Course Aims	
<p>This course is designed for you to acquire specialist accounting skills and is particularly suitable for those of you who wish to pursue a career in accountancy. It will enable you to develop your ability to apply, analyse and use accounting information in a range of contexts. It concentrates particularly on the development of problem solving and decision making skills.</p>	
Recommended Entry Requirements	
<p>This is at the discretion of the school/teacher but you would normally be expected to have attained the following:</p> <ul style="list-style-type: none"> - National 5 and Higher Accounting 	
Course Specification	
<p>The course comprises the following units:</p> <p>Financial Accounting</p> <p>This unit introduces the essential principles and techniques to record the dissolution of a partnership, prepare profit statements from incomplete records and analyse the capital position of limited companies.</p> <p>Management Accounting</p> <p>This unit is designed to enable you to prepare flexible budgets, carry out variance analysis and introduces you to the use of investment appraisal techniques.</p>	

Assessment Specification

Your teacher will assess your work throughout the course.

Items of work might include

- practical work (spreadsheets, balance sheets)
- written work (reports)
- homework assignments
- class-based assessments

To achieve this award, the learning outcomes of each unit must be overtaken. These are assessed in school in accordance with the SQA guidelines. In addition there is a final examination set by the SQA, and an assignment which is developed in school time and assessed by the SQA..

The course assessment is graded A-D. Your grade will depend on the total mark in your examination.

Possible Progression

On successfully completion of this course, it may lead to further study, training (HNC/HND/Degree) or employment in Accounting or Business.

Cost of Consumables

There are no consumables required for this course.

Administration & IT – National 4/5

Course Aims

Administration is a growing sector which cuts across the entire economy. Every area of work needs people who can carry out administrative tasks and have good IT skills. This course will develop your skills. You will complete some of the tasks on your own while others will involve group work.

These skills are very useful in a wide range of employment areas.

You will learn about administration in the workplace and laws affecting employees. You will also develop your customer care skills and learn how to organise and support events. The course covers a range of IT applications such as word processing, spreadsheets, databases and desktop publishing.

Course Specification

There are three compulsory units, plus an added value unit that assesses your practical skills.

Administrative Practices

In this unit you will learn about:

- administrative tasks needed to organise and support small-scale events
- key legislation affecting employees
- good customer care

IT Solutions for Administrators

In this unit you will learn how to:

- use word processing, spreadsheets and databases to create and edit business documents
- organise and process information in administrative situations

Communication in Administration

In this unit you will learn how to:

- collect and share information from the internet and intranet
- prepare information using multimedia and desktop publishing

Added Value Unit:

National 4 - Administration and IT Assignment

In this unit you will:

- plan and prepare documentation to a given brief
- use previously created documents to complete your task

National 5 – Course Assessment

The learner will be assessed by a practical administration- and IT-based assignment, drawing on the knowledge, understanding and skills developed across the Course

<h2>Assessment Specification</h2>	<h1>Business & Information Technology</h1>
<p>Your teacher will assess your work throughout the course.</p> <p>Items of work might include:</p> <ul style="list-style-type: none"> - practical work (such as leaflets, presentations or documents) - written work (research assignments and case studies) - projects - class-based exams <p>You must pass all the units including the practical unit to gain the course qualification.</p> <p>Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.</p>	
<h2>Possible Progression</h2>	
<p>National 4:</p> <p>If you complete the course successfully, it may lead to National 5 Administration and IT or National 4/5 Computer Science.</p> <p>You may also undertake further study, training or employment in Administration and Management.</p> <p>National 5:</p> <p>If you complete the course successfully, it may lead to Higher Administration and IT, National 5 Computer Science, National 5 Accounting or National 5 Business Management.</p> <p>You may also undertake further study, training or employment in Administration and Management.</p>	
<h2>Cost of Consumables</h2>	
<p>There are no consumables required for this course.</p>	

Administration and IT – Higher

Course Aims

Administration is a growing sector which cuts across the entire economy and offers wide ranging employment opportunities. Moreover, administrative and IT skills have extensive application not only in employment but also in other walks of life.

This course is designed to help you to understand and take part in the business and information environment. You will gain skills in managing information, organising, planning, problem solving and decision making.

Recommended Entry Requirements

Administration at National 5.

Students with a good range of Nationals, particularly Information Systems/Computing.

Course Specification

The course comprises the following units:

Administrative Theory and Practice

In this unit you will:

- Develop an in depth knowledge and understanding of administration in, and the impact of IT on the workplace.
- Acquire an in depth knowledge and understanding of the factors contributing to the effectiveness of the administrative function, such as the strategies for effective time and task management, and for complying with workplace legislation, and of what makes effective teams.
- Learn about customer care.

IT Solutions for Administrators

In this unit you will:

- Develop your IT skills, some of them advanced, and in organisation and managing information in administration-related contexts.
- Develop the ability to utilise a range of functions, some of them advanced, or emerging equivalent technologies.
- Use above applications to analyse, process and manage information in order to create and edit relatively complex business documents.

Communication in Administration

In this unit you will:

- Develop a range of IT skills, some of them advanced, for research and communicating complex information to others.
- Develop an understanding of barriers to communication and ways of overcoming them to ensure communication is understood.
- Develop your knowledge and understanding of how to maintain the security and confidentiality of information.
- Communicate information in ways taking account of the needs of the audience.

Assessment Specification	Faculty of Business & Information Technology
<p>Course Assessment</p> <p>The course assessment has two components:</p> <ul style="list-style-type: none"> • An administration and IT-based assignment (70 marks) • A question paper (30 marks). <p>The assignment will require learners to extend administration-related knowledge, understanding and skills, and to apply them in the context of managing the organisation of an event.</p> <p>The question paper will require the retention and/or integration of learning from across the units as well as a demonstration of a depth of knowledge and understanding developed across the course.</p> <p>The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course.</p>	
Possible Progression	
<p>On successfully completion of this course, it may lead to Higher Computing Science, Higher Business Management or Higher Accounting.</p> <p>You may also undertake further study, training (HNC/HND/Degree) or employment in Administration.</p>	
Cost of Consumables	
<p>There are no consumables required for this course.</p>	

Business – National 4	Faculty of Business & Information Technology
Course Aims	
<p>We all rely on business and entrepreneurs to create wealth and employment. This course helps you to develop skills in numeracy, employability and enterprise. You will also learn how to communicate effectively by working with others, as well as how to work independently, and how to lead activities when appropriate.</p> <p>These skills are valuable in a wide range of careers, but are particularly useful if you are interested in a career in the small business sector.</p> <p>Business is a practical hands-on subject that relates the study of business to real-life situations. You will learn to use ICT to gather, analyse and communicate business information, and communicate effectively in a business context. This includes understanding money, interpreting data, and using tables, charts and other graphical displays.</p>	
Course Specification	
<p>The course has two compulsory units, plus an added value unit that assesses your practical skills.</p> <p>Business in Action In this unit you will learn:</p> <ul style="list-style-type: none"> - how and why businesses develop and operate - to understand how businesses satisfy customers' needs - how marketing, finance, operations and human resources support business planning and decision-making. <p>Influences on Business In this unit you will learn:</p> <ul style="list-style-type: none"> - to investigate stakeholders' influence on businesses - to develop your understanding of the financial, economic, competitive and social - environment in which businesses operate. <p>Added Value Unit: Business Assignment In this unit you will:</p> <ul style="list-style-type: none"> - plan, research and produce a report that demonstrates the skills and knowledge you have gained from studying the other units. 	

Assessment Specification	Faculty of Business & Information Technology
<p>Your work will be assessed by your teacher or tutor on an ongoing basis throughout the course.</p> <p>Items of work might include:</p> <ul style="list-style-type: none"> - practical work (such as enterprise and employability skills) - written work (research assignments and reports) - projects - class-based exams. <p>You must pass both units to get the qualification</p>	
Possible Progression	
<p>If you complete the course successfully, it may lead to National 5 Business Management.</p> <p>You may also undertake further study, training or employment in Administration and Management.</p>	
Cost of Consumables	
<p>There are no consumables required for this course.</p>	

Business Management – National 5

Course Aims

We all rely on businesses to create wealth, prosperity, jobs and choices. Studying Business Management gives you the opportunity to develop important skills such as problem solving, communication, planning and organising. Business Management is a practical subject. You will learn through real-life business contexts how organisations operate.

These skills are valuable in a wide range of career sectors but are particularly useful if you are interested in entering the world of business — whether as a manager, employee or self-employed person.

You will combine ICT-based learning with practical and theoretical aspects of business management. The course includes the study of organisations in the private, public and voluntary sectors. This means that you can apply your skills and knowledge to real-life business contexts.

Course Specification

The course has three compulsory Units, plus an Added Value Unit that assesses practical skills.

Understanding Business

In this unit you will:

- learn how entrepreneurship supports business development
- learn how organisations contribute to generating wealth and satisfying customers' needs
- understand key business terms and concepts, and how they are applied
- explore issues relating to the external environment and how these affect the way in which organisations operate

Management of People and Finance

In this unit you will:

- learn how organisations manage people and finance
- understand how to apply business terms and concepts relating to the management of people and finance
- learn how to manage people in order to maximise their contribution to an organisation's success
- learn how to prepare and interpret financial information in order to solve financial problems facing businesses

Management of Marketing and Operations

In this unit you will:

- learn about effective marketing and operations systems, including the processes and procedures organisations use to maintain quality and competitiveness
- understand how to communicate with consumers, maximise customer satisfaction and enhance competitiveness
- identify how to produce goods or services to an appropriate standard of quality

Assessment Specification

The course has three compulsory Units, plus an Added Value Unit that assesses practical skills.

Understanding Business

In this unit you will:

- learn how entrepreneurship supports business development
- learn how organisations contribute to generating wealth and satisfying customers' needs
- understand key business terms and concepts, and how they are applied
- explore issues relating to the external environment and how these affect the way in which organisations operate

Management of People and Finance

In this unit you will:

- learn how organisations manage people and finance
- understand how to apply business terms and concepts relating to the management of people and finance
- learn how to manage people in order to maximise their contribution to an organisation's success
- learn how to prepare and interpret financial information in order to solve financial problems facing businesses

Management of Marketing and Operations

In this unit you will:

- learn about effective marketing and operations systems, including the processes and procedures organisations use to maintain quality and competitiveness
- understand how to communicate with consumers, maximise customer satisfaction and enhance competitiveness
- identify how to produce goods or services to an appropriate standard of quality

Possible Progression

If you complete the course successfully, it may lead to Higher Business Management, National 5 Administration and IT or National 5 Accounting. Higher Accounting or Administration may be possible by negotiation.

You may also undertake further study, training or employment in Administration and Management.

Cost of Consumables

There are no consumables required for this course.

Business Management – Higher

Course Aims

This course enables students to assess the activities of businesses, particularly with respect to the main functional areas which characterise the operation of all businesses. The course promotes the development of problem solving and decision-making skills within a business framework.

It would be suitable for students who wish to extend and develop previous study. Whether or not you intend to have a career in business, the course will enable you to enhance your individual effectiveness. It would also be appropriate as a starting point for those who wish to pursue a business related career.

Recommended Entry Requirements

Any Recommended Entry Level: This is at the discretion of the school/teacher but you would normally be expected to have attained one of the following:

- National 5 Business Management
- Higher Accounting
- Higher English

Course Specification

Course Outline

This course aims to highlight the ways in which organisations operate and the steps they take to achieve their strategic goals. This is 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. The course consists of **three** compulsory units, and the course assessment unit.

Understanding Business

In this unit you will:

- understand the ways in which organisations in the private, public and third sectors operate
- carry out activities that highlight the opportunities and constraints on these organisations in the pursuit of their strategic goals
- analyse and evaluate the impact that the external environment has on an organisation's activity
- consider the implications of a range of external factors that affect an organisation's decision making.

Management of People and Finance

In this unit you will:

- deepen your understanding and critical awareness of the issues facing organisations in the management of people and finance
- carry out activities that will extend your grasp of relevant theories, concepts and procedures used in planning for an organisation's success, including leadership, motivation and finance
- explain, analyse and evaluate relevant business information, in each of these contexts, relating to business structure and activity.

Management of Marketing and Operations

In this unit you will:

- deepen your understanding of the importance to organisations of having effective marketing and operations systems
- carry out activities that will extend your grasp of relevant theories, concepts and procedures used by organisations in order to improve and/or maintain quality and competitiveness
- learn about the importance of satisfying both internal and external customers' needs, along with a critical awareness of the issues facing organisations in relation to marketing and operations.

Assessment Specification

Course Assessment

The course assessment has two components:

- a question paper (70 marks)
- an assignment (30 marks).

The question paper will assess your breadth of knowledge, understanding and skills accumulated across the course. The question paper will be set and marked by SQA.

The assignment will give you the opportunity to apply and extend your research, analytical, evaluative and decision making skills.

The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course

Possible Progression

On successful completion of this course, it may lead to Advanced Higher Business Management, Higher Administration or Higher Accounting.

You may also undertake further study (HNC/HND/Degree), training or employment in Business Management, Administration or Accounting.

Cost of Consumables

There are no consumables required for this course.

Business Management – Advanced Higher	
Course Aims	
<p>A vibrant and innovative business culture is a vital component of Scotland's economic success. The purpose of this Course is to prepare learners to play an active part in this culture by equipping them with an understanding of the national and global nature of business. This will include studying the challenges posed by globalisation and the effect it has on Scotland's businesses and environment, business and management theories, and principles of effective management used in different organisations. Learners will develop analytical and research skills by investigating real organisations in a range of contexts. A practical approach to the preparation of plans for a business makes the course appropriate if you are planning further study or intending to enter employment in this field.</p>	
Recommended Entry Requirements	
<p>Any Recommended Entry Level: This is at the discretion of the school/teacher but you would normally be expected to have attained an A pass at Higher Business Management.</p>	
Course Specification	
<p>The External Environment In this Unit, learners will be required to provide evidence of their ability to:</p> <ul style="list-style-type: none"> • analyse the activities of multinational and global companies • assess the impact of the external factors on organisations at a multinational and global level <p>The Internal Environment In this Unit, learners will be required to provide evidence of their:</p> <ul style="list-style-type: none"> • knowledge and understanding of theories and practices adopted by managers to improve effectiveness • ability to analyse and evaluate approaches used by managers with teams and individuals <p>Researching a Business In this Unit, learners will be required to provide evidence of their:</p> <ul style="list-style-type: none"> • ability to research, analyse and evaluate a range of business data for effective decision making 	

Assessment Specification	Faculty of Business & Information Technology
<p>Your teacher will assess your work throughout the course. Items of work might include:</p> <ul style="list-style-type: none"> • Written work • Homework assignments • Case studies • Class based tasks <p>To achieve this award each unit must be passed. These are assessed in school in accordance with the SQA guidelines. In addition there the externally assessed elements assessed by the SQA are:</p> <p>Component 1 — question paper (80 marks) Component 2 — project (50 marks)</p>	
Possible Progression	
<p>If you complete the course successfully, it may lead to: Further study, training or employment in:</p> <ul style="list-style-type: none"> • Administration & Management • Arts, Social Sciences & Religion • Finance • Law 	
Cost of Consumables	
<p>There are no consumables required for this course.</p>	

National 3 – Computing Science	Faculty of Business & Information Technology
Course Aims	
<p>This course aims to introduce and develop your skill in using computers in a range of contexts, develop your knowledge and understanding of basic facts and ideas in computing science, develop your skills and knowledge in software and application-based development tools. You will also learn to use your new skills and knowledge to develop and implement simple digital solutions.</p>	
Recommended Entry Requirements	
<p>This is at the discretion of the school/teacher, but you would normally be expected to have attained the following:</p> <ul style="list-style-type: none"> - National 2 Information and Communication Technology Course 	
Course Specification	
<p>The course has two units.</p> <p>Building Digital Solutions This unit is designed to help you to develop practical skills by creating simple digital solutions (such as computer games, animations or applications) using features of development software.</p> <p>Information Systems You will develop practical skills by using appropriate application development tools to create, share and locate information. You will also develop thinking skills and skills in numeracy, employability, enterprise and citizenship.</p>	

Assessment Specification

Your teacher will assess your work throughout the course. Items of work might include:

- Practical work using the software
- Written work and reports
- Homework assignments
- Class-based assessments.

To achieve the award, you must meet all of the learning outcomes for both units. These will be assessed in school in accordance with the SQA guidelines.

The course is graded Pass/Fail.

Possible Progression

On successful completion of this course, it may lead to further study, including these courses:

- National 4 Computing Science
- National Certificate Group Awards in a range of Computing and IT disciplines
- National Progression Awards in Digital Media
- Skills for Work Courses in Creative Digital Media

Cost of Consumables

There are no consumables required for this course.

Computing Science – National 4/5

Course Aims

Are to enable learners to:

- introduce and develop aspects of computational thinking across a range of contemporary contexts
- develop knowledge and understanding of key facts and ideas in computing science
- apply skills and knowledge in analysis, design, implementation and testing to a range of digital solutions
- communicate computing concepts clearly and concisely using appropriate terminology
- develop an understanding of the impact of computing science in changing and influencing our environment and society

Course Specification

The course has three mandatory Units including the Added Value Unit.

Software Design and Development

In this unit you will:

- learn to develop basic knowledge, understanding and practical problem-solving skills in software design and development.
- develop basic computational thinking and programming skills through practical tasks using appropriate software development environments across a range of contemporary contexts.
- develop an understanding of how data and instructions are stored in binary form and how programming underpins computer applications.
- explore the impact of contemporary software-based applications on society or the environment.

Information System Design and Development

In this unit you will:

- learn to develop basic knowledge, understanding and practical problem-solving skills in information system design and development.
- learn to implement practical solutions using appropriate development tools to create databases, web-based information systems, multimedia information systems (and/or hybrids of these).
- develop an understanding of basic computer hardware, software, connectivity and security issues through a range of practical and investigative tasks.

Added Value Unit:

National 4 - Computing Science Assignment

This Unit requires the learner to apply skills and knowledge from the other units to analyse and solve an appropriate challenging computing science problem.

National 5 – Course Assessment

The learner will draw on, extend and apply the skills and knowledge they have developed during the Course. These will be assessed through a combination of an assignment and an exam question paper.

Assessment Specification

Your work will be assessed by your teacher or tutor on an ongoing basis throughout the course.

Items of work might include:

- practical work (web design, short programs)
- written work (research assignments, evaluations, documentation and reports)
- projects
- class-based exams

You must pass all the units to gain the course qualification.

Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.

Possible Progression

National 4

If you complete the course successfully, it may lead to National 5 Computing Science or National 4/5 Administration and IT.

You may also undertake further study, training or employment in Computing Science and Administration., Computing & ICT, Science & Mathematics, Sport & Leisure and Transport & Distribution.

National 5

If you complete the course successfully, it may lead to Higher Computing or Higher/National 5 Administration and IT, National 5 Accounting or Business.

You may also undertake further study, training or employment in Computing Science and Administration., Computing & ICT, Science & Mathematics, Sport & Leisure and Transport & Distribution.

Cost of Consumables

There are no consumables required for this course.

Computing Science – Higher

Course Aims

Computing science is vital to everyday life — socially, technologically and economically; it shapes the world in which we live and its future. Computing is embedded in the world around us from systems and devices in our homes and places of work, to how we access education, entertainment, transportation and communication.

This course will introduce you to an advanced range of computational processes and thinking. You will learn to apply a rigorous approach to the design and development process across a variety of contemporary contexts. You will also gain an awareness of the importance that computing professionals play in meeting the needs of society today and for the future, in fields which include science, education, business and industry.

Recommended Entry Requirements

Any Recommended Entry Level: This is at the discretion of the school/teacher but you would normally be expected to have attained one of the following:

- National 5 Computing Science or Higher Administration and IT

Course Specification

This course enables you to develop an extended range of computing and computational thinking skills, including skills in analysis and problem-solving, design and modelling, developing, implementing, testing and evaluating digital solutions across a range of contemporary contexts. You will also develop and extend knowledge and understanding of key concepts and processes, and the ability to apply this to a variety of problems.

The course consists of **two** compulsory units and the course assessment unit.

Software Design and Development

In this unit you will:

- develop knowledge and understanding of advanced concepts and practical problem-solving skills in software design and development through appropriate software development environments
- develop programming and computational thinking skills by designing, implementing, testing and evaluating practical solutions and explaining how these programs work
- develop an understanding of computer architecture and the concepts that underpin how programs work
- through investigative work, gain an awareness of the impact of contemporary computing technologies.

Information System Design and Development

In this unit you will:

- develop knowledge and understanding of advanced concepts and practical problem-solving skills in information system design and development through a range of practical and investigative tasks
- apply your computational thinking skills to implement practical solutions using a range of development tools
- develop an understanding the technical, legal, environmental, economic and social issues related to one or more information systems.

Assessment Specification

The course assessments has two components:

- a question paper (90 marks)
- an assignment (60 marks)

The question paper will assess your breadth of knowledge, understanding and skills accumulated across the course. The question paper will be set and marked by SQA.

The assignment will assess your practical application of knowledge and skills from the units to develop a solution to an appropriately challenging computing science problem.

The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course.

Possible Progression

Successful completion of this course may lead to study in Advanced Higher Computing Science, Administration and IT or Business Management.

Education and Training (HNC/HND/Degree); Employment in, Computing Science.

Cost of Consumables

There are no consumables required for this course.

Advanced Higher – Computing Science

Course Aims

The aims of the Course are to enable learners to:

- understand and apply computational thinking skills across a range of computing contexts
- extend and apply knowledge and understanding of advanced concepts and processes in computing science
- apply skills and knowledge in analysis, design, development, implementation and evaluation to a range of digital solutions with increasingly complex aspects
- apply creative problem-solving skills across a range of contexts
- develop autonomous learning, investigative and research skills
- communicate advanced computing concepts clearly and concisely, using appropriate terminology
- develop an informed understanding of the role and impact of computing technologies in transforming and influencing our environment and society

Recommended Entry Requirements

This is at the discretion of the school/teacher, but you would normally be expected to have attained the following:

- Higher Computing Science

Course Specification

The course has two units:

Software Design and Development

This Unit explores a range of advanced concepts and processes relating to software design and development, including complex algorithms, data structures and high-level programming. You will develop skills in designing, developing, testing and evaluating well-structured, modular programs through practical tasks, using appropriate.

Information System Design and Development

This Unit explores a range of advanced concepts and processes relating to the design and development of complex information systems. You will develop knowledge and understanding of how contemporary information systems are planned, developed and managed, gaining an insight into the application of processes, tools and techniques.

Assessment Specification

Your teacher will assess your work throughout the course. Items of work might include:

- Practical work using the software
- Written work and reports
- Homework assignments
- Class-based assessments (tests and exams)

You must pass both units to gain the course qualification.

To achieve the award, you must meet all of the learning outcomes for both units. These will be assessed in school in accordance with the SQA guidelines.

In addition, you will must complete and pass an “Added Value Unit” (Course Assignment) that includes a practical task based on both of the above two units.

The final assessment consists of a SQA examination that will be graded A-D. Your final award will depend on the total mark in this examination.

Possible Progression

On successful completion of this course, it may lead to further study, including these courses:

- a range of computing-related Higher National Diplomas
- degrees in Computing Science or related disciplines
- careers in computing, IT and/or related areas

Cost of Consumables

There are no consumables required for this course.

Computer Games Development – NPA

Course Aims

Would you like to learn more about how computer games are put together – or maybe even create the next ‘Angry Birds’, ‘Minecraft’ or ‘Assassin’s Creed’?

Although the course will allow for minor time spent on ‘games appreciation’, this technical course focuses upon games development, and aims to build a foundation for those who may wish to become games designers. Pupils will learn 2/3D design, programming, team work, project management, animation and the development of other media assets. The course provides technical theory along with art-based components. Full details are provided below.

Course Specification

There are three compulsory units that assess your practical skills, these will be undertaken in the context of the NPA in Computer Games Development at levels 5 or 6 and the following sequence of delivery is recommended:

- 1 Computer Games: Design
- 2 Computer Games: Media Assets
- 3 Computer Games: Development

Computer Games: Design

You will acquire an understanding of the underlying concepts and fundamental principles involved in digital gaming planning and design. You will learn how to recognise and distinguish differences between numerous gaming platforms, environments and genres. You will be introduced to fundamental methods used in the planning and design stages involved in the production of a digital game. You will plan and design a level in a digital game. You will investigate what organisations and activities are involved in the investment, creation, production and distribution of games and evaluate external factors to be considered when designing a digital game. You will evaluate design methods used in the planning and design stages involved in the production of a digital game. You will plan and design a digital game to a given brief.

Computer Games: Media Assets

You will acquire an understanding of the different types of media asset required for developing a digital game. You will learn how to plan and produce media assets for use in a game development environment.

Computer Games: Development

You will gain an understanding of the processes involved in the final stages of development of a digital game. You will learn how to use your chosen game development environment to bring together all the parts and produce a working game. You will gain an understanding of the evaluation process and then go on to plan and deliver a promotional activity. You will gain an understanding of the evaluation process and complete a user review of a game that applies a scoring/rating system. You will finally plan and create a promotional activity.

Assessment Specification

Your teacher will assess your work throughout the course.

A portfolio approach to assessment will be taken. The portfolio may be paper or electronic (digital). The portfolio will be constructed over the period of each Unit, with candidates contributing material to the portfolio on an on-going basis. The contents of the portfolio must be clearly labelled and related to specific evidence requirements. The inclusion of specific items in the candidate's portfolio will be negotiated between the candidate and the assessor; only the 'best' example of the candidate's work should be stored.

You must pass all the units including the practical unit to gain the course qualification.

Possible Progression

Candidates who undertake this award at SCQF level 5 could expect to progress onto the next level:

NPA in Computer Games Development SCQF level 6 or
National 5 Computing Science
Higher Computing Science

Progression to Higher Education:

NC in Digital Media Computing and SCQF level 6
Candidates could also progress onto:
NPA in Digital Media Production SCQF 6

Candidates may undertake subsequent HN Units and/or awards in Computing at SCQF level 7 or above and follow the progression pathways within the Scottish Credit and Qualifications framework.

Cost of Consumables

There are no consumables required for this course.

Economics – Higher

Course Aims

Economics is about choice and its impact. It relates to every aspect of our lives, from the decisions we make as individuals or families to the structures created by governments and businesses.

Studying Economics will help you understand and make use of economic information. You will learn to analyse, interpret, predict and explain the actions of individuals, businesses and governments to various economic situations. You will develop an appreciation of how markets and governments work and how the decisions taken in these economic contexts affect our daily lives.

Recommended Entry Requirements

You would normally be expected to have a pass at Higher Accounting or Higher Business Management, and Higher English or Higher Modern Studies.

Course Specification

The course is made up of **three** compulsory units and the course assessment unit.

Economics of the Market

- learn how to analyse the economic problem of unlimited wants in relation to limited resources and how this impacts on the daily choices made by us all
- examine and analyse how supply and demand drives resource allocation and economic production
- gain an in-depth understanding of markets and how they operate.

UK Economic Activity

- learn how to analyse government income and expenditure
- evaluate the role of the public and the private sectors in the economy
- develop the ability to assess the policies and other methods used by the government to achieve its economic aims and to assess the effects of the Scottish economy on the UK economy
- consider the implications of government actions and suggest solutions to relatively complex economic problems.

Global Economic Activity

- learn how to analyse the global nature of economics
- explore global trade and the balance of payments and their importance in the UK economy
- examine the floating exchange rate system
- consider economic features of the European Union, developing countries and emerging economies and their social impact.

Assessment Specification

- a question paper (70 marks)
- an assignment (30 marks)

The question paper will assess your breadth of knowledge, understanding and skills accumulated across the course. The question paper will be set and marked by SQA.

The assignment will require you to collect information/evidence, analyse and evaluate economic data/information and produce a report on your conclusions and findings.

Your work will be assessed by your teacher on an ongoing basis throughout the course. You must pass all three units and the course assessment to gain the course qualification.

Possible Progression

If you complete the course successfully, it may lead to:

Further study, training or employment in:

- Administration & Management
- Arts, Social Sciences & Religion
- Finance
- Law

Cost of Consumables

There are no consumables required for this course.

Assessment Specification

Your teacher will assess your work throughout the course.

Items of work might include

- written work (reports)
- homework assignments
- class-based assessments

To achieve this award each unit must be passed. These are assessed in school in accordance with the SQA guidelines. In addition there is also a final examination set by the SQA.

The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course

Possible Progression

Economics is a useful subject for many students, particularly if you are interested in a career in business or finance.

On successful completion of this course, you may undertake further study, training (HNC/HND/Degree) or employment in Accounting, Economics or Business.

Cost of Consumables

There are no course consumables in this course.

Art and Design – National 3/4/5

Course Aims

- Communicate personal thoughts, feelings and ideas through the imaginative use of art and design materials, techniques and technology.
- Develop knowledge and understanding of art and design practice.
- Plan, develop, produce and present creative art and design work.
- Develop understanding of the social and cultural influences on artists and designers and their work.
- Develop problem solving, critical thinking and reflective practice skills.

Course Specification

The course consists of 2 practical folios and an externally assessed critical question paper. The folios compromise finished pieces for both the expressive and design work. National 5 pupils must also provide evidence of development leading to their final idea.

Expressive Activity in which pupils select a theme suitable for still life. They then produce observational drawings and studies and develop ideas through a range of visual concepts and using a variety of media in 2D and/or 3D formats. Pupils also produce a written evaluation based on process and solution. Artists are studied and their work analysed.

Design Activity in which pupils will work from a design brief to investigate and develop a piece of work in either 2D or 3D. Learners will develop their creativity and problem solving skills as they consider the design opportunities, issues and constraints of the brief. They will also develop their understanding of designers' working practices and the factors that inspire and influence their work while continuing to develop media handling skills. Pupils also produce a written evaluation based on process and solution.

Assessment Specification
<p>In National 3/4 learners must pass all of the units to achieve a course award. All aspects of the course are internally assessed.</p> <p>In National 5 learners must pass the expressive and design practical folios to achieve a course award. The Practical Folio elements are externally assessed and knowledge and understanding of artists and movements (Critical Activity) in an externally assessed question paper.</p>
Possible Progression
<p>National 3 > National 4</p> <p>National 4 > National 5</p> <p>National 5 > Higher</p>
Cost of Consumables
<p>A charge of £8 is charged to cover the costs of colour copying, folders and materials used in the production of expressive and design artefacts.</p>

Art and Design – Higher

Course Aims

- To promote knowledge and understanding of the visual arts and design, their historical development and contemporary applications.
- To develop and apply skills of practical investigation, media handling, problem solving and evaluation through expressive and design practical activities, linked to related contextual, evaluative and historical studies.

Recommended Entry Requirements

Students would normally be expected to have attained Art and Design Nat5 course, or component units, at level B or above

Course Specification

The course consists of two units plus a folio:

Expressive Activity Pupils will select and interpret sources and stimuli of personal interest before negotiating an expressive theme with their teacher. Pupils complete a folio which shows an understanding and range of appropriate media used with control, assurance and fluency, as they develop their theme

The final piece will also include a written evaluation based on process and solution.

Throughout the activity pupils will also demonstrate a critical awareness of historical aspects of art and design and will communicate informed views, opinions and judgements using appropriate terms and vocabulary

Design Activity A design brief is negotiated with the teacher which is then investigated in the light of requirements, constraints and implications. A number of possible approaches are explored, a number of solutions considered which show inventiveness and flexibility of thought.

The final piece will include a written evaluation based on process and solution.

Throughout the activity pupils will also demonstrate a critical awareness of historical aspects of art and design and communicate informed views, opinions and judgements using appropriate terms and vocabulary.

Assessment Specification	Faculty of Creative Arts
<ul style="list-style-type: none"> Expressive and Design folios sent for external assessment Art and Design Studies examined in a question paper during the main exam' diet 	
Possible Progression	
Advanced Higher and Portfolio, both of which are preparation for further study in Art School, or any career that requires practical creative and problem solving skills.	
Cost of Consumables	
Pupils are charged £12 to cover all materials and colour printing costs associated with the completion of folio work. Pupils will also be expected to attend a field trip in June for the purpose of collating ideas/materials for development in folio work. Pupils will be asked to make a contribution to the transport cost of this trip.	

Art and Design – Advanced Higher / Portfolio	
Course Aims	
Both courses are designed to extend skills already gained in working to Higher level. Depending on the pupils' interest or preferred Art institution, pupils will be guided by their art teacher as to whether Advanced Higher or Portfolio or both is the best route towards post-school preparation.	
Recommended Entry Requirements	
Pupils should have gained a pass at Higher level.	
Course Specification	
There are two mandatory units:	
Expressive Provides the pupil with an opportunity to specialise in expressive activity. Pupil folios demonstrate investigation, development and tangible resolutions of personal ideas, feelings and opinions in response to the selected area of study and related sources and stimuli. A high level of practical skill deployed with creativity, maturity and fluency is essential.	
Design Provides the pupil with an opportunity for in depth Design study. The pupil folio will demonstrate the formulation and presentation of clear, firm proposals in which inventiveness and flexibility in thought and action are apparent. Consideration must be given to function, time, aesthetics, materials, costs and production constraints.	
And one short unit from either: Art and Design Studies: Visual Arts or Expressive Activity or Design Activity.	
Assessment Specification	
<ul style="list-style-type: none"> Expressive and Design folios sent for external assessment. A written evaluation accompanies the folio. 	
Possible Progression	
Further study in Art School, or any career that requires practical, creative and problem solving skills.	
Cost of Consumables	
Pupils are charged £12 to cover all materials and colour printing costs associated with the completion of folio work. Pupils will also be expected to attend a field trip in June for the purpose of collating ideas/materials for development in folio work. Pupils will be asked to make a contribution to the transport cost of this trip.	

Drama – National 3/4/5	
Course Aims	
<ul style="list-style-type: none"> • Generate and communicate thoughts and ideas from a range of stimuli • Develop a knowledge of social and cultural influences on drama • Explore form, structure, genre and style • Develop skills in creating drama • Develop production skills when presenting drama to create mood, atmosphere, period. • Use drama skills, in either acting or design, for a drama performance 	
Course Specification	
<p>The course consists of three units:</p> <p>Drama Skills Pupils will learn how to respond to a range of stimuli and how to develop portrayal of character. In this unit they will also explore and develop their knowledge of form, structure, genre and style when creating and presenting drama. Learners will also develop their knowledge of the social and cultural influences on drama and also how to reflect on their own progress and that of other learners.</p> <p>Production Skills Pupils will explore and develop production skills. These skills, e.g. lighting, set design, acting etc. are used to enhance their drama presentations. Learners will also use problem solving skills to generate ideas for presenting their dramas.</p> <p>Drama Performance Pupils will draw on and extend their knowledge and apply their production skills in a drama performance.</p>	
Assessment Specification	
<p>In National 4 learners must pass all of the units to achieve a course award. All aspects of the course are internally assessed</p> <p>In National 5 learners must pass all of the units to achieve a course award. The Production Skills elements are assessed in a live performance and Drama Skills in an externally assessed question paper.</p>	
Possible Progression	
<p>National 3 > National 4 National 4 > National 5 National 5 > Higher</p>	
Cost of Consumables	
<p>A booklet of terms etc. is available for students to purchase at a cost of £1.50.</p>	

Drama – Higher
Course Aims
<ul style="list-style-type: none"> To respond to stimuli and explore form, structure and style. To investigate relationships, issues and themes. To gain knowledge and understanding of aspects of theatre and drama. To develop technical theatre and design skills. To develop writing/acting/directing skills. To analyse text in depth and identify the themes/issues conveyed To analyse performance in depth, identifying intended, and actual, impact on audience.
Recommended Entry Requirements
Pupils are recommended to have successfully completed the Nat5 Drama course.
Course Specification
<p>The course comprises two units:</p> <p>Drama Skills: Pupils will use complex drama skills to respond to stimuli and develop ideas for drama. Through the process of developing their drama they will communicate ideas and explore genre, structure and style. Pupils will be expected to devise and direct a drama as well as using complex skills to portray a character to an audience. Pupils will also evaluate the effectiveness of both their own work and that of others.</p> <p>Production Skills: Pupils will respond to stimuli, including text, to explore ideas for a production and develop and communicate ideas for production roles. They will select appropriate ideas to develop a performance concept for an audience before using complex production skills within their selected role. Roles will include acting and technical theatre skills.</p> <p>Pupils will also evaluate the effectiveness of both their own work and that of others.</p>
Assessment Specification
Text analysis, design and director knowledge is assessed via a question paper during the SQA exam diet. Production skills are assessed by a visiting examiner.
Possible Progression
<ul style="list-style-type: none"> Advanced Higher Drama Any career which involves presentation skills and interaction with people.
Cost of Consumables
There are no consumables required for this course, although pupils will be expected to attend at least one live theatre production organised by the faculty. There may be a transport and ticket cost for this.

Acting Skills - NQ Unit (level 6)

Course Aims

- To explore and develop an understanding of acting techniques
- To create and portray a range of characters in performance
- To develop skills in the evaluation of acting techniques and performance

Recommended Entry Requirements

Pupils should have an interest in drama and be open to the exploration of drama practice.
Pupils should have successfully completed a National 5 course in English or Drama.

Course Specification

This course comprises of three outcomes and will run alongside the Higher Drama course:

Practical Exercises in which pupils will develop and demonstrate acting technique using a range of exploration strategies.

Practical Assignment in which pupils will create and portray two contrasting characters in performance.

Written Evaluation in which pupils review and evaluate their own acting techniques and final performance.

Assessment Specification

- Practical Exercises and Practical Assignment – assessed by teacher observation, supported by checklist and Folio notes.
- Written Evaluation – marked according to marking scheme.

Possible Progression

- National 5 Drama
- Higher Drama

Cost of Consumables

There are no consumables required for this course but pupils will be expected to attend a live theatre production organised by the faculty. There may be a transport and ticket cost involved with this event – details will be confirmed in advance.

Drama – Advanced Higher	
Course Aims	
<ul style="list-style-type: none"> To explore the theories and practice of at least one theatre practitioner To investigate relationships, issues and themes, applying To develop knowledge and understanding of practice in acting or directing or design. To analyse a performance in depth and develop a dissertation based on the performance studied. To demonstrate practical expertise in acting or directing or design 	
Recommended Entry Requirements	
Pupils are recommended to have successfully completed the Higher Drama course.	
Course Specification	
<p>The course comprises two units:</p> <p>Drama Skills: Pupils will apply the principles and practice of at least one theatre practitioner to respond to stimuli and develop ideas for a devised drama. Pupils will also evaluate the effectiveness of the process of their devising and of the impact of their drama in performance.</p> <p>Production Skills: Pupils will apply the principles and practice of a theatre practitioner(s) in their development of an acting role, or direction of a text extract, or a design aspect of a specified text. Pupils will also evaluate the process of rehearsal and performance for their selected role.</p> <p>Pupils will also evaluate the effectiveness of a live performance, drawing on comparisons with the theories and practice of the practitioner(s) studied</p>	
Assessment Specification	
<ul style="list-style-type: none"> Drama Skills/Production Skills Units are internally assessed and made available for SQA verification. An external examiner will assess prepared pieces for acting, or directing or design A dissertation, based on a current production, will be submitted for assessment to the SQA 	
Possible Progression	
<ul style="list-style-type: none"> Degree courses in Drama/English/Law at university Any career which involves presentation skills and interaction with people. 	
Cost of Consumables	
There are no consumables required for this course, although pupils will be expected to attend at least one live theatre production organised by the faculty. There may be a transport and ticket cost for this.	

Music – National 3/4/5

Course Aims

- Develop performing skills in solo and/or group settings on their selected instruments, one of which can be voice.
- Perform music with accuracy and maintaining the flow.
- Create original music using Sibelius software and music concepts when composing, arranging or improvising.
- Develop knowledge and understanding of the social and cultural factors influencing music.
- Develop knowledge and understanding of music and musical literacy by listening to music and identifying level-specific music signs, symbols and concepts.
- Reflect on their own work and that of others.

Course Specification

The course consists of 3 units in Nat3, 4 units in Nat4 and 3 units in Nat5:

Performing Skills in which pupils will develop their performing skills on two selected instruments, one of which may be voice. Learners will perform level-specific music with accuracy while maintaining flow. Through regular practice and reflection learners will develop their technical and musical skills. Pupils will also be expected to reflect on their performance skills

Composing Skills in which pupils will experiment and use compositional methods with music concepts in imaginative ways to create their own music. Learners will also develop their understanding of how composers create music. Pupils will also be expected to reflect on creative decision making.

Understanding Music in which pupils listen to a variety of music styles to develop their knowledge and understanding of level-specific music concepts and music literacy.

Added Value Unit Nat4 (Performance) in which pupils will prepare and perform a programme of music on two instruments and a minimum of two pieces on each instrument. Each piece should be of at least two minutes duration.

Assessment Specification
<p>In National 3/4 learners must pass all of the units,(including added value unit in Nat4) to achieve a course award. All aspects of the course are internally assessed.</p> <p>In National 5 learners must pass all of the units to achieve a course award. The Performance elements are externally assessed (a programme of 8 minutes, with a minimum of 2 minutes on instrument 2) and knowledge and understanding of musical concepts and literacy in an externally assessed question paper</p>
Possible Progression
<p>National 4 > National 5</p> <p>National 5 > Higher</p> <p>A course in Music Technology</p>
Cost of Consumables
<p>Parents/carers should be aware that pupils are expected to receive music instruction in at least one of their selected instruments, either through the Instrumental Service or with a private tutor.</p>

Music – Higher	
Course Aims	
<ul style="list-style-type: none"> • To develop knowledge and understanding of concepts and music literacy skills. • To identify concepts in context. • To develop performing skills on two instruments, one of which may be voice, to the required standard for Higher. • To understand and study how Higher compositional concepts are used by others. • Apply understanding of composition concepts while composing and reflect on creative decision making. 	
Recommended Entry Requirements	
Pupils are expected to have successfully completed National 5 Music and should be receiving formal instruction in at least one musical instrument.	
Course Specification	
<p>The course comprises three units:</p> <p>Understanding Music in which pupils will develop their understanding of concepts and musical literacy at the standard required by Higher. Pupils should then be able to identify these concepts in context.</p> <p>Composing Skills in which pupils will develop their understanding of how higher compositional concepts are used by others before using and developing these concepts while composing themselves. In addition, pupils will be expected to reflect on creative decision making.</p> <p>Performance in which pupils should display technical and musical control, convey mood and character with secure intonation, control of dynamics, tone and rhythm.</p>	

Assessment Specification

- Performance Skills, in which pupils perform on two instruments, one of which may be voice. They will develop a 12 minute programme with a minimum of 4 minutes on the second instrument and a minimum of 2 pieces on each instrument are assessed by a visiting examiner.
- A question paper examines knowledge and understanding of concepts and literacy during the main exam diet in May.

Possible Progression

Successful completion of this course may lead to study at Advanced Higher level or a course in Music Technology.

Cost of Consumables

There are no consumables required for this course, but parents/carers should be aware that pupils are expected to receive instruction in at least one of their selected instruments.

Music: Advanced Higher
Course Aims
<ul style="list-style-type: none"> To provide experience in performing, and composing music from a variety of styles and genres. To develop skills in music literacy and to promote the understanding of music concepts appropriate to this level.
Recommended Entry Requirements
Pupils are expected to have successfully completed Higher level Music.
Course Specification
<p>The course comprises three units:</p> <p>Performing Skills Pupils will prepare a solo programme of performance on two instruments, with a duration and skill appropriate to this level. Regular practice and performance is essential to achieving success in this unit.</p> <p>Composing Skills Pupils are asked to compose music which demonstrates evidence of originality, creativity and planning, and must make good use of a range of compositional techniques.</p> <p>Understanding and Analysing Music Pupils will develop skills, appropriate to this level in music literacy and learn to identify a range of musical styles and concepts through research tasks, using level specific concepts.</p>
Assessment Specification
<ul style="list-style-type: none"> Question paper which assesses knowledge and understanding of concepts from Nat3>Adv Higher Performance Skills, in which pupils perform on two instruments, one of which may be voice. They will develop a 18 minute programme with a minimum of 6 minutes on the second instrument and a minimum of 2 pieces on each instrument are assessed by a visiting examiner. The performance should display technical and musical control, convey mood and character with secure intonation, control of dynamics, tone and rhythm.
Possible Progression
Degree or other higher education course.
Cost of Consumables
There are no consumables required for this course, but parents/carers should be aware that pupils are expected to receive tuition for at least one of their selected instruments.

Music Technology – Nat 3/4/5
Course Aims
<ul style="list-style-type: none"> To develop understanding the influence of technology on music To develop an understanding of the music industry and intellectual property rights To identify musical concepts in context To develop essential technological skills To produce a stereo master of a piece of music in context
Recommended Entry Requirements
Pupils are generally expected to have completed a course in S3 Music Technology
Course Specification
<p>This course comprises of four units:</p> <p>Understanding 20th and 21st Century Music in which pupils will research, explore and examine a range of musical concepts. They will consider the influence of technology on music and develop their understanding of the music industry with special reference to intellectual property rights (copyright)</p> <p>Music Technology Skills in which pupils will develop essential technological skills through practical ‘hands on’ activities including the production of TV Adverts, Film soundtracks and Gaming music.</p> <p>Music Technology in Context Pupils will produce two stereo masters of short pieces from contrasting contexts</p> <p>Added Value Unit in which pupils must plan, implement and evaluate one stereo master of a piece of music in context.</p>
Assessment Specification
<ul style="list-style-type: none"> Practical assignment (stereo master) with a minimum of five parts, at least two of which should involve the use of microphones. For Nat5 pupils a question paper which examines knowledge and understanding of tech’ concepts and process/effects
Possible Progression
<ul style="list-style-type: none"> Nat 4 > Nat 5 Music Technology Nat4/5 > Nat4/5 Music (if receiving tuition in at least one instrument) Any career which involves technology in the music industry
Cost of Consumables
There are no consumables required for this course...

English – National 4	Faculty of English
Course Aims	
<p>National 4 English offers learners opportunities to develop and extend a wide range of skills, including communication, independent learning, critical literacy, personal, interpersonal and team working, and creative thinking.</p> <p>National 3 English is also available.</p>	
Course Specification	
<p>Analysis and Evaluation in which students analyse and evaluate straightforward texts and spoken language.</p> <p>Creation and Production in which students create and produce straightforward written texts and take part in straightforward spoken interactions.</p> <p>Literacy in which students develop their reading, writing, talking and listening skills and ability to understand straightforward ideas and information presented orally and in writing, with an acceptable standard of technical accuracy.</p> <p>Added Value Unit in which learners apply their language skills to investigate and report on a chosen topic, allowing the learner to demonstrate challenge and application.</p>	
Assessment Specification	
<p>Analysis and Evaluation in which students analyse and evaluate straightforward texts and spoken language</p> <p>Creation and Production in which students create and produce straightforward written texts and take part in straightforward spoken interactions</p> <p>Literacy in which students develop their reading, writing, talking and listening skills and ability to understand straightforward ideas and information presented orally and in writing with technical accuracy.</p> <p>Added Value Unit in which learners apply their language skills to investigate and report on a chosen topic, allowing the learner to demonstrate challenge and application.</p>	
Assessment Specification	
<p>Units will be assessed on a pass / fail basis within the centre. SQA will provide rigorous external quality assurance including external verification.</p>	
Possible Progression	
<p>National 5 English</p>	

English – National 5		Faculty of English
Course Aims		
Building on literacy skills, the course develops understanding of the complexities of language including through the study of a wide range of texts. The course develops high levels of analytical thinking and understanding of the impact of language. In particular, the course aims to enable learners to develop the ability to: 1 listen, talk, read and write as appropriate to purpose, audience and context 2 understand, analyse and evaluate texts, including Scottish texts, as appropriate to purpose and audience in the contexts of literature, language and media 3 create and produce texts, as appropriate to purpose, audience and context 4 apply knowledge and understanding of language.		
Course Specification		
Course assessment Learners will provide evidence of their reading and writing skills and their ability to understand and use English language. The Course assessment will take the form of a portfolio, through which learners will demonstrate their writing skills, and two exam question papers, through which learners will demonstrate their reading skills. Learners will answer at least one question on a Scottish text.		
Assessment Specification		Faculty of English
Both Units are internally assessed Course Assessment: Component 1 – Question Papers: 1) Reading for Understanding, Analysis and evaluation 30 marks 2) Critical Reading 40 marks Component 2 - Portfolio of Writing 30 marks		
Possible Progression		
Higher English		
Cost of Consumables		
There are no consumables required for this course.		

English – Higher
Course Aims
<p>Building on literacy skills the course develops understanding of the complexities of language including through the study of a wide range of texts. The course develops high levels of analytical thinking and understanding of the impact of language. In particular the course aims to enable learners to develop the ability to:</p> <div><div>1</div><div>listen, talk, read and write as appropriate to purpose, audience and context</div></div> <div><div>2</div><div>understand, analyse and evaluate texts, including Scottish texts as appropriate to purpose and audience in the contexts of literature, language and media</div></div> <div><div>3</div><div>create and produce texts, as appropriate to purpose , audience and context</div></div> <div><div>4</div><div>apply knowledge and understanding of language</div></div>
Recommended Entry Requirements
<p>National 5 English grade B or above.</p>
Course Specification
<p>This course comprises 2 mandatory Units :</p> <p>Analysis and Evaluation</p> <p>The purpose of this Unit is to provide learners with the opportunity to develop listening and reading skills in the contexts of literature, language and media. Learners develop the skills needed to understand, analyse and evaluate detailed texts.</p> <p>Creation and Production</p> <p>The purpose of this Unit is to provide learners with the opportunity to develop talking and writing skills in a range of contexts. Learners develop the skills needed to create and produce detailed texts in both written and oral forms.</p> <p>Course assessment</p> <p>Learners will provide evidence of their reading and writing skills and their ability to understand and use English language. The Course assessment will take the form of a portfolio through which learners will demonstrate their writing skills and an exam question paper through which learners will demonstrate their reading skills. Learners will answer at least one set of questions on a Scottish set text.</p>
Assessment Specification
<p>Both Units are internally assessed</p> <p>Course Assessment: Component 1 – Question Papers:</p> <div><div>1)</div><div>Reading for Understanding, Analysis and evaluation</div><div>30 marks</div></div> <div><div>2)</div><div>Critical Reading</div><div>40 marks</div></div> <div><div>Component 2 - Portfolio of Writing</div><div>30 marks</div></div>
Possible Progression

Advanced Higher English, a Degree or other Higher Education course
Cost of Consumables: There are no consumables required for this course.

Faculty of English	English – Advanced Higher
	Course Aims
	This course is designed to build on the knowledge and skills gained in Higher English, and it allows you to pursue particular interests and strengths in more specialised areas of study. The course presents considerable academic and personal challenges and requires the candidates to think and work independently.
	Recommended Entry Requirements
	B pass at Higher or above.
	Course Specification
	The course will include the following: <ul style="list-style-type: none"> • A folio of Creative Writing • Textual Analysis • A Specialist Study Dissertation • A study of Literature by at least one author.
	Assessment Specification
	Two units which assess pupils in creative writing or textual analysis, and a literary study which comprises a critical essay paper and an author studied in class. <p>Creative folio (externally assessed) - 30%</p> <p>Textual Analysis (1 essay – 90 minutes) - 20%</p> <p>Literature exam (1 essay – 90 minutes) - 20%</p> <p>Dissertation (externally assessed) - 30%</p>
	Possible Progression
	Degree or other Higher Education course.
	Cost of Consumables
	There are no consumables required for this course.

Media – National 5
Course Aims
<p>Media at National 5 is intended to help to understand the mass media communications that surround us in our everyday life. Being able explain and analyse messages across society will allow candidates to step beyond customers and consumers of media and become critics; to question the content and purpose of the information rather than accepting them at face value.</p> <p>The course aims to look at how modern media has been shaped by its past and how technology is driving change and interactivity moving it to the next stage. Problem solving and working with others are two of the core skills of the course.</p> <p>The course is both theoretical and practical to allow pupils to transfer learning between the academic and vocational.</p>
Recommended Entry Requirements
<p>Pupils looking to take Media at National 5 should have a pass at National 5 English or be sitting National 5 English next year.</p>
Course Specification
<p>The course is defined by the main aspects of Media:</p> <ul style="list-style-type: none"> • Categories (Type of media, Genre, Purpose, Tone & Style) • Language (Technical language of the medium, codes, connotations & denotations) • Representations (Stereotypes, Non-stereotypical ideas, translating & questioning) • Narrative (The structures, codes and conventions of storytelling) • Audience (Target Audiences, other audiences & what an audience does with it) • Institution (Producers, constraints, codes of practice & ownership) • Society (Historical and social context) <p>There are two main strands, Analysing Media Content and Producing Media Content, that pupils will cover across the course.</p> <p>Course assessment</p> <p>Learners will provide evidence of their production skills through an Assignment which is completed across the year. An exam question paper will test their knowledge and ability to analysis both seen and unseen media content.</p>
Assessment Specification
<p>Course Assessment</p> <p>Question Paper, including Unseen Analysis – 60 marks</p> <p>Assignment – 60 marks</p>

Possible Progression
New Higher Media, FE courses in Media, PR, Marketing and Business
Cost of Consumables

Hospitality: Practical Cake Craft – National 5	
Course Aims	
<p>The Course, which is practical and experiential in nature, develops a range of cake baking and cake-finishing skills in hospitality-related contexts. It enables learners to develop, consolidate and demonstrate creative techniques in the production of cakes and other baked items. It develops the thinking skills of understanding, analysing and evaluating, and creating. Aspects of numeracy, employability skills, and the ability to work safely and hygienically are similarly developed.</p>	
Course Specification	
<p>The course has two compulsory units, as follows:</p> <p>Cake Baking</p> <p>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. In the production of a range of cakes and other baked items, 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.</p> <p>Cake Finishing</p> <p>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.</p>	
Assessment Specification	
<p>Course Assessment</p> <p>The learner will be assessed by a practical activity drawing on the knowledge, understanding and skills developed across the Course. The activity will require learners to 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.</p>	
Possible Progression	
National 5 Hospitality: Practical Cookery, further study, training or employment	
Cost of Consumables	
There will be a cost for consumables, which will be confirmed at the start of the session.	

Hospitality: Practical Cookery – National 3/4/5	Faculty of Health & Wellbeing
Course Aims	
Planning and producing meals and presenting them appropriately, learners develop understanding of ingredients from a variety of different sources, as well as of their uses and responsible sourcing and sustainability. Learners develop understanding of the impact of the choice of ingredients on health and wellbeing, and embed food safety and hygiene skills.	
Course Specification	
<p>The course has four compulsory units, as follows:</p> <p><u>Cookery Skills, Techniques and Processes</u> This Unit aims to develop learners’ basic cookery skills and food preparation techniques, and the ability to follow simple cookery processes, in the context of producing simple dishes. Learners will also develop a basic understanding of the importance of safety and hygiene and the ability to follow safe and hygienic practices at all times.</p> <p><u>Understanding and Using Ingredients</u> This Unit aims to develop learners’ basic knowledge and understanding of ingredients and their uses. It also addresses the importance of sustainability and the responsible sourcing of ingredients and the impact of their choice on health and wellbeing. Learners will develop a basic ability to select and use appropriate ingredients in the preparation of simple dishes and to do so safely and hygienically.</p> <p><u>Organisational Skills for Cooking</u> This Unit aims to develop learners’ basic planning, organisational and time management skills and their awareness of the key attributes relevant to the hospitality industry. Learners will acquire the ability to follow simple recipes, to plan and produce simple dishes and meals for specified occasions and to work safely and hygienically. They will also develop the ability to carry out a simple evaluation of the process and the product.</p> <p><u>Producing a Meal (Practical Assignment)</u> This Unit aims to enable learners to draw on the knowledge, understanding and skills developed in the other three Units. Learners will carry out a practical activity which will involve producing a simple meal to a given specification. The activity brief will require learners to plan, prepare and cook a two-course meal for a set number of people within a given timescale and to present it appropriately. While the brief will be sufficiently open and flexible to allow personalisation and choice, it will require learners to demonstrate their ability to follow safe and hygienic practices throughout.</p> <p>Assessment To gain the course award, the candidate must pass all the Unit Assessments. At National 5 the Course Assessment is completed via the Practical Assignment, and is internally graded. At National 4 all units are internally graded as pass/fail.</p>	
Cost of Consumables	
There will be a cost of around £20 to £50 for participation in this course.	

Physical Education - National 3/4/5	
Course Aims	
Physical Education gives pupils the opportunity to build their physical fitness and increase enjoyment and skills in physical activities. Learners will have the opportunity to improve sports performance skills in a range of team games and solo sports. It will help develop confidence, resilience, initiative, decision making and team working skills. Learners will investigate a number of ways of analysing and improving their performance.	
Course Specification	
The Course has two mandatory Units and an Added Value Unit, as follows:	
Practical Skills The general aim of this Unit is to provide learners with the opportunity to develop a range of movement and performance skills in physical activities, in straightforward contexts. Learners will develop some consistency in their control, fluency of movement and body and spatial awareness. They will also learn how to respond to and meet the physical demands of performance in a safe and effective way. The Unit offers opportunities for personalisation and choice in the selection of physical activities.	
Factors Impacting on Performance The general aim of this Unit is to provide learners with the opportunity to explore and develop their knowledge of factors that impact on personal performance in physical activities. Learners will record, monitor and reflect on their own performance. There will be opportunities for personalisation and choice through the selection of physical activities used in learning and teaching.	
Added Value Unit: Physical Education: Performance The general aim of this Unit is to enable learners to provide evidence of added value for the National 4 Physical Education Course. Learners will prepare for and carry out a performance, which will allow them to demonstrate challenge and application.	
Pupils should be aware that Swimming is a compulsory element of this course.	
Assessment Specification	
National 4 Units will be assessed on a pass/fail basis within centres. All units must be passed to achieve a course award.	
National 5 Course Assessment is done via two methods: A practical performance (60%); and a portfolio (40%).	
Possible Progression	
National 4 - National 5 Physical Education, further study, training or employment.	
National 5 - Higher Physical Education, further study, training or employment.	
Cost of Consumables	
There are no consumables required for this course.	

Physical Education - HIGHER

Course Aims

Physical Education provides you with the opportunity to build physical skills, improve aspects of fitness, and maximise your enjoyment of taking part in physical activities. It also has the benefits of developing your confidence, resilience, responsibility and ability to work with others.

The skills you learn in this course are suitable for a wide range of careers. These include health care, sport and leisure, the armed services and education.

Course Specification

The course consists of **two** compulsory units **and** the course assessment unit.

Physical Education: Performance Skills (9 SCQF credit points)

In this unit you will:

- develop a broad and comprehensive range of complex movement and performance skills
- select, demonstrate, apply and adapt these skills, and use them to make informed decisions
- develop knowledge and understanding of how these skills combine to produce effective outcomes
- develop consistency, precision, control and fluency of movement
- learn how to respond to and meet the demands of performance in a safe and effective way.

Physical Education: Factors Impacting on Performance (9 SCQF credit points)

In this unit you will:

- develop knowledge and understanding of the four factors that impact on personal performance in physical activities
- consider how mental, emotional, social, and physical factors can influence effectiveness in performance
- develop knowledge and understanding of a range of approaches for enhancing performance, and select and apply these to factors that impact on your personal performance
- create development plans, monitor these and justify decisions relating to future personal development needs.

Pupils should be aware that Swimming is a compulsory element of this course.

Assessment Specification	Faculty of Health & Wellbeing
<p>The course assessment has two components:</p> <ul style="list-style-type: none"> • a question paper (40 marks) • a performance (60 marks). <p>The question paper will sample from your breadth of knowledge, understanding and skills accumulated across the course. The question paper will be set and marked by SQA.</p> <p>The performance will assess your ability to plan, prepare for, effectively perform and evaluate personal performance in one physical activity.</p>	
Possible Progression	
Further training or employment in sport and leisure, sports science, teaching and health.	
Cost of Consumables	
There are no consumables required for this course.	

Geography – National 3/4/5

Course Aims

You will study a broad range of 'Physical' and 'Human' Geographical topics, as well as studying two significant 'Global Issues'. You will learn how to utilise a range of techniques and geographic skills such as map reading, data collection, ICT and problem-solving. You will broaden your understanding of the physical and human landscapes of the world and their interaction. There will be opportunities for practical activities, including fieldwork.

The main aims of Geography are to enable learners to develop:

- a range of geographical skills and techniques
- straightforward understanding of the ways in which people and the environment interact in response to physical and human processes at local, national, international and global scales
- straightforward understanding of spatial relationships and of the changing world in a balanced, critical and sympathetic way
- a geographical perspective on environmental and social issues
- an interest in, and concern for, the environment leading to sustainable development

Course Specification

This Course has four mandatory Units, including the Added Value Unit. Within each Unit there is a considerable degree of flexibility in contexts which can be studied to allow personalisation and choice.

Geography: Physical Environments

In this Unit, learners will develop geographical skills and techniques in the context of physical environments. Learners will develop a straightforward knowledge and understanding of the processes and interactions at work within physical environments. Key topics include: location of landscape type; formation of key landscape features; land use management and sustainability; and UK weather. Learners will study a selection of landscape types from contexts within Scotland and/or the UK. Landscape types covered will be: glaciated upland; and coastlines of erosion and deposition.

Geography: Human Environments

In this Unit, learners will develop geographical skills and techniques in the context of human environments. Learners will develop a straightforward knowledge and understanding of the processes and interactions at work within human environments. Learners will study and compare developed and developing countries drawn from a global context. Key topics include: contrasts in development; world population distribution and change; and issues in changing urban and rural landscapes. Personalisation and choice is possible through contexts chosen as case studies.

Geography: Global Issues

In this Unit, learners will develop skills in the use of numerical and graphical information in the context of global issues. Learners will develop a straightforward knowledge and understanding of significant global geographical issues. The topics covered are Environmental Hazards (earthquakes, volcanoes and tropical storms) and Global Climate Change. Learners will study major global issues and the strategies adopted to manage these. Personalisation and choice is possible through the issues selected for study.

Added Value Unit:**National 4 - Geography Assignment**

In this Unit, learners will choose an issue for personal study drawn from geographical contexts. They will research their chosen issue and present their findings. This shall be internally assessed.

National 5 – Course Assessment

The learner will draw on, extend and apply the skills, knowledge and understanding they have acquired during the Course. This will be assessed by an exam question paper and assignment, following fieldwork and/or research on a geographic topic of choice.

Assessment Specification**Course assessment structure N5:**

To gain the award of the Course, the learner must pass all the Units (three unit assessments, one for each topic) as well as the Course assessment. Course assessment will provide the basis for grading attainment in the Course award.

Component 1 — question paper **60 marks**. Component 2 — assignment **20 marks**.
Total marks **80 marks**.

The question paper will have 60 marks out of a total of 80 marks. The question paper is therefore worth 75% of the overall marks for the Course assessment. The assignment is therefore worth 25% of the overall marks for the Course assessment.

The Course assessment is graded A–D. The grade is determined on the basis of the total mark for all Course assessments together.

Course assessment structure N4:

To achieve the National 4 Geography Course, learners must pass all of the required Units (three unit assessments, one for each topic), including the Added Value Unit. All Units are internally assessed against the requirements shown in the Unit Specification. National 4 Courses are not graded.

Course assessment structure N3:

To achieve the National 3 Geography Course, learners must pass all of the required Units (three unit assessments, one for each topic). There is no Added Value unit at N3 level. National 3 Courses are not graded.

Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 3, 4 or the National 5 award.

Possible Progression	
National 4 → Other SQA qualifications in Geography (National 5) or related areas.	
National 5 → Other SQA qualifications in Geography (Higher) or related areas.	
Either course → Further study, employment and/or training.	
Cost of Consumables	
Fieldtrip costs of approximately £12 (numbers and bus quotes dependent).	

Geography – Higher	Faculty of Humanities
Course Aims	
Higher Geography gives learners a sophisticated understanding of geographical processes and information. This covers a range of topics, from glaciation to the growth of the human population. Learners will gain sophisticated skills in analysing and communicating complex geographical ideas using maps and other diagrams.	
Recommended Entry Requirements	
National 5 Geography (recommended at ‘A’ or ‘B’ pass). Pupils who have Highers or a National 5 pass in another Social Subject could also consider taking this course.	
Course Specification	
<p>The course consists of three sections:</p> <p>Physical Environments</p> <p>Learners will develop mapping skills in geographical contexts. Learners will develop and apply knowledge and understanding of the complex processes and interactions at work within physical environments on a local, regional and global scale.</p> <p>Key topics include: Atmosphere, Hydrosphere, Lithosphere and Biosphere.</p> <p>Human Environments</p> <p>Learners will develop research skills in geographical contexts. Learners will develop and apply knowledge and understanding of the complex processes and interactions at work within urban and rural environments and the management of urban and rural land use change in developed and developing countries. Key topics include: Population, Rural Land Use Change and Management, Urban Change and Management.</p> <p>Global Issues</p> <p>Learners will develop skills of numerical and graphical analysis in geographical contexts. Learners will develop and apply knowledge and understanding of complex global geographical issues which demonstrate the interaction of physical and human environments and the strategies adopted in the management of these issues. Key topics will include Development and Health and Global Climate Change.</p>	

Assessment Specification	
Pupils are required to pass three internal unit assessments as well as an external assessment which consists of one question paper. There is also an 'Assignment' exam (30 marks in 1 hour 30) which is also externally assessed. The question paper is based on all the above topics, as well as a section on 'Geographical Skills' and is a total of 60 marks in 2 hours 15 minutes.	
Possible Progression	
Candidates who gain an 'A' at Higher, and in some circumstances a 'B', will be able to progress into Advanced Higher Geography.	
Cost of Consumables	
Fieldtrip costs of approximately £12 (numbers and bus quotes dependent).	

Geography – Advanced Higher	Faculty of Humanities
Course Aims	
The Advanced Higher Geography course is designed to be a link into first year university and college courses where there is an emphasis on individual research, fieldwork and the use and interpretation of statistical information. A student following this course will be very well prepared for Higher Education courses in geography related subjects and University non-geography departments throughout Scotland acknowledge the usefulness of the course in preparing students for research.	
Recommended Entry Requirements	
Grade B or above in Higher Geography. Pupils considering studying at Advanced Higher level are advised to discuss this with their Geography teacher. Passes in Higher English and Higher Mathematics would be advantageous.	
Course Specification	
The Geography Course has two mandatory Units. Within each Unit there is a considerable degree of flexibility in contexts which can be studied to allow personalisation and choice. Units are statements of standards for assessment and not programmes of learning and teaching. They can be delivered in a number of ways.	

Geographical Skills (Advanced Higher) In this Unit, learners will develop a wide range of geographical methods and techniques including mapping skills, graphical techniques and a range of statistical techniques for analysing and interpreting geographical data. Learners will develop a wide range of investigating skills while undertaking independent research such as scoping or identifying appropriate research topics; how to plan and manage a complex programme of research; techniques to source, collect and record appropriate and reliable primary and secondary information; methods of independent fieldwork; techniques to present findings using appropriate conventions; and how to evaluate research methodology.

Geographical Issues (Advanced Higher) In this Unit, learners will develop critical thinking and the ability to evaluate sources and viewpoints on current complex geographical issues.

Assessment Specification

To gain the award of the Course, the learner must pass all of the Units (unit assessments) as well as the Course assessment. Course assessment will provide the basis for grading attainment in the Course award.

Component 1 — question paper 50 marks. Component 2 — project-folio 100 marks. Total marks 150 marks.

The project-folio will have 100 marks. The total mark will be distributed as follows: ♦ project-folio Section A: Geographical Study — 60marks ♦ Project-folio Section B: Geographical Issue — 40 marks.

This question paper will be set and marked by SQA, and conducted in centres under conditions specified for external examinations by SQA. Learners will complete this in 2 hours and 30 minutes.

The Course assessment is graded A–D. The grade is determined on the basis of the total mark for all Course assessments together. A learner's overall grade will be determined by their performance across the Course assessment.

Possible Progression

This Course or its Units may provide progression to: Units or the Course in another social subject at Advanced Higher; Related programmes of study in Higher National programmes (e.g. Geography, Geology, Urban and Regional Planning, Environmental Science, Economics etc.) In Higher Education programmes geography is accepted as an arts, social science or science subject.

Cost of Consumables

Fieldtrip costs of approximately £12 (numbers and bus quotes dependent). Also opportunity for an **optional** residential fieldtrip of two nights (costs approximately £175).

History – National 3/4/5

Course Aims

The main aims of the Course are to develop:

- a conceptual understanding of the past
- a range of skills including the ability to apply a straightforward historical perspective and comment on historical sources in a range of contexts
- a straightforward knowledge and understanding of the factors contributing to, and the impact of, historical events
- the skills of investigating historical events and forming views
- the skills of explaining historical events, and drawing straightforward conclusions

Course Specification

This Course has four units. Within each unit there is a considerable degree of flexibility in contexts and themes which can be studied to allow personalisation and choice.

Historical Study: Scottish – The Era of the Great War 1910 - 1928

In this Unit, learners will develop techniques to comment on historical sources. Events and themes of Scottish history will be studied from the period of the First World War. Learners will develop knowledge and understanding of the causes of the war, the experience of Scottish soldiers fighting on the Western Front, the impact of the war on Scottish society, industry and politics.

Historical Study: British – The Atlantic Slave Trade 1770 - 1807

In this Unit, learners will develop techniques to comment on the impact of a historical development. Events and themes of British history will be studied relating to the Atlantic Slave Trade 1770 - 1807. Learners will develop knowledge and understanding of the reasons for the development of the slave trade, its effect on British society and the campaign seeking its abolition.

Historical Study: European and World – The Cold War – 1945 - 1989

In this Unit, learners will develop techniques to comment on the factors contributing towards a historical development. Events and themes of European and world history will be studied relating to the Cold War. Learners will develop knowledge and understanding of the reasons for the development of the Cold War, Cold War flashpoints, the Vietnam War and the end of the Cold War.

Added Value Unit

National 4 - History Assignment

In this Unit, learners will exercise choice in selecting a topic for personal study drawn from Scottish, British or European and world contexts. They will research their chosen topic and communicate their findings

National 5 – Course Assessment

The learner will draw on, extend and apply the skills, knowledge and understanding they have acquired during the Course. This will be assessed by an exam question paper and an assignment.

Assessment Specification

The assessment of the Units in this Course will be as follows:

Historical Study: Scottish History

The learner will be required to provide evidence of:

ability to comment/evaluate historical sources, taking into account their origin and content descriptions, explanations and analysis demonstrating detailed and mostly accurate knowledge and understanding of themes and events within an area of Scottish history

Historical Study: British History

The learner will be required to provide evidence of:

ability to comment /evaluate the impact of a historical development in a straightforward way and present information in an organised manner straightforward descriptions and explanations and analysis demonstrating a factual knowledge and understanding of themes and events within an area of British history

Historical Study: European and World

The learner will be required to provide evidence of:

ability to comment on the factors contributing towards a historical development in a straightforward way, drawing a straightforward conclusion descriptions and explanations demonstrating a straightforward factual knowledge and understanding of themes and events within an area of European and world history

Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.

Possible Progression

National 4

- Other SQA qualifications in History National 5 or related areas.
- Further study, employment and/or training.

National 5

- Other SQA qualifications in History Higher or related areas.
- Further study, employment and/or training.

Cost of Consumables

There are no consumables required for this course.

History – Higher

Course Aims

History uniquely provides opportunities for learners to study past societies, the changes they have undergone, and the ways in which they have embraced or sometimes resisted change. Through such studies, History provides learners with both a perspective on, and an understanding of, the forces which have shaped their own society and societies in other countries.

Recommended Entry Requirements

National 5 History. Pupils who have Highers or a National 5 pass in another Social Subject could also consider taking this course.

Course Specification

The areas for study are:

- Historical study Scotland – The Wars of Independence, 1286-1328
- A historical study of the reasons for the outbreak of the war, the Invasion of Scotland, resistance under Wallace and Murray and the rise and triumph of Robert Bruce.
- Historical Study Britain – Britain 1851-1951
- A historical study of changes in British society between 1851 and 1951, these include the growth of democracy, the development of the Welfare State through the Liberal and Labour social reforms and the campaign for female suffrage.
- Historical Study European and World – Russia 1881-1921
- A historical study of Russia before 1900, the reasons for the outbreak of the 1905, Feb 1917 and Oct 1917 revolutions and the reasons for the Red victory in the Russian civil war.

Assessment Specification

Units are assessed internally and all outcomes must be achieved in order to access the external exam. The external exam accounts for 66% of the Higher award. Candidates must write two essays and answer 3 source questions. In addition to the external exam, candidates must also research and plan an **assignment**. The final draft is done under exam conditions with the help of a resource sheet. It is then sent to the SQA for marking and accounts for 33% of the overall mark.

Possible Progression

Candidates who achieve a competent at Higher may go on to study History at Advanced Higher level.

Cost of Consumables

There are no consumables required for this course.

History – Advanced Higher	Faculty of Humanities
Course Aims	
For those who already have an interest in history, the Advanced Higher course provides the opportunity to study a topic in-depth with an emphasis on independent learning. The course is especially suited to those who plan to go to university. It is good preparation for any degree due to its academic rigour and learning and techniques.	
Recommended Entry Requirements	
Grade B or above in Higher History. Pupils considering studying at Advanced Higher level are advised to discuss this with their History teacher.	
Course Specification	
The subject for study is Britain at War and Peace 1938-1951 . This unit explores Britain on the eve of the Second World War. Students will study Britain's political and social ideology before the war, before evaluating Britain's readiness for the conflict. The focus will then shift to the course of the war, looking at the role of each of the Armed forces in contributing to Britain's success. Students will evaluate the social and economic impact of the conflict from a British perspective, before going on to look at politics and society in post-war Britain. The course focuses on historians interpretations of these events, not just the facts.	
Assessment Specification	
Units are assessed internally and a pass must be achieved in order to access the external exam. The external exam involves 2 essay questions and three set source questions. Pupils are also required to carry out an in-depth study of this historical topic and write a 4000 word dissertation.	
Possible Progression	
Pupils wishing to go on and study History at university would benefit from completing this course. However as the course encourages more sophisticated skills of source analysis, sustained reasoning and independent study it would act as the perfect foundation for further study in any field.	
Cost of Consumables	
There are no consumables required for this course.	

Modern Studies – National 3/4/5

Course Aims

The main aims of Modern Studies are to enable learners to develop:

- a range of research and information handling skills
- straightforward understanding of the democratic process
- straightforward understanding of social and economic issues at local, Scottish, national and international levels and ways of addressing needs and inequalities
- awareness of different views about the extent of state involvement in society
- awareness of the nature and processes of conflict resolution
- understanding of human and legal rights and responsibilities and their application in different societies

Course Specification

This Course has four units, including the Added Value Unit. Within each unit there is a considerable degree of flexibility in the themes which can be studied to allow for some personalisation and choice.

Modern Studies: Democracy in Scotland and the United Kingdom

In this Unit, learners will develop skills by using sources of information in order to detect and explain examples of bias and exaggeration. Learners will develop a straightforward knowledge and understanding of democracy in Scotland and the United Kingdom. They will develop knowledge and understanding of the UK political structure including the place of Scotland within this and the debates around this arrangement. Learners will then study in detail the Scottish political system. Learners will develop knowledge and understanding of the main institutions and organisations which make up political life in Scotland. They will develop knowledge and understanding of the ways in which society is informed about the political system, able to participate in and influence the political system. They will develop an understanding of their rights and responsibilities in contemporary democratic political society.

Modern Studies: Social Issues in the United Kingdom

In this Unit, learners will develop skills by using sources of information in order to make and give straightforward justifications of decisions. Learners will develop a straightforward knowledge and understanding of social issues in Scotland and the United Kingdom. This area of study will focus on crime and the law in Scotland and the UK. In the crime and the law context, learners will develop knowledge and understanding of the causes of crime, the impact of crime on individuals and society and the role of individuals, the police, the legal system and the state in tackling crime.

Modern Studies: International Issues

In this Unit, learners will develop skills by using sources of information in order to draw and give straightforward support for conclusions. Learners will develop a straightforward knowledge and understanding of an international issue. The area studied will focus on the United States of America as a world power. Learners will develop a knowledge and understanding of the political system in the USA, social and economic inequalities that ethnic minorities face. They will also examine issues such as immigration and gun control in the USA.

Added Value Unit:**National 4 - Modern Studies Assignment**

In this Unit, learners will choose an issue for personal study drawn from modern studies contexts. They will research their chosen issue and present their findings. Through this activity they will have opportunities to experience challenge and application as they further develop and apply the skills, knowledge and understanding acquired in the other three Units of the Course.

National 5 – Course assessment

The learner will draw on, extend and apply the skills, knowledge and understanding they have acquired during the Course. This will be assessed by an exam question paper and an assignment.

Assessment Specification

The assessment of the Units in this Course will be as follows:

Modern Studies: Democracy in Scotland and the United Kingdom

The learner will be required to give evidence of ability to use a limited range of sources of information to detect and explain bias and exaggeration in familiar contexts drawn from political issues in Scotland and the United Kingdom straightforward descriptions and brief explanations demonstrating knowledge and understanding, which is mainly factual, of political issues in Scotland and/or the United Kingdom.

Modern Studies: Social Issues in the United Kingdom

The learner will be required to give evidence of ability to use a limited range of sources of information to make and justify decisions in familiar contexts about social issues in the United Kingdom straightforward descriptions and brief explanations demonstrating knowledge and understanding, which is mainly factual, of social issues in Scotland and the United Kingdom drawn from either the context of social inequality in the United Kingdom or crime and the law in the United Kingdom.

Modern Studies: International Issues

The learner will be required to give evidence of ability to use a limited range of sources of information to draw and support valid conclusions in familiar contexts about international issues straightforward descriptions and brief explanations demonstrating knowledge and understanding, which is mainly factual, of international issues drawn from either the study of socio-economic and political.

Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.

Possible Progression

National 4 → Modern Studies National 5 or related areas.

National 5 → Modern Studies Higher or related areas.

Either Course → Further study, employment and/or training.

Cost of Consumables

There are no consumables required for this course.

Modern Studies –Higher
Course Aims
The purpose of the course is to build on the skills of National 5. The Higher course is designed to teach pupils about key world events. The skills that pupils will acquire include the ability to use information to present an argument and the ability to justify a point of view.
Recommended Entry Requirements
Pupils will be expected to have achieved a pass at National 5 level in Modern Studies or at National 5 level in another Social Subject.
Course Specification
<p>The course is broken into three main units. The three topics studied are:</p> <ul style="list-style-type: none"> • Democracy in Scotland and the UK. • Crime and law in the UK • World Powers: The United States of America <p>Each of these requires pupils to study and demonstrate knowledge and understanding of the key issues and be able to write detailed essay answers about each one.</p>
Assessment Specification
There are three unit assessments and a final exam. The final exam consists of one paper which assesses both knowledge, through extended answers and skills, through the analysis of sources of information. Pupils are also required to complete an assignment in the form of a report on a contemporary issue of their choice. This will be completed in school under exam conditions but marked by the SQA and will form part of their overall mark.
Possible Progression
Pupils may progress to study Modern Studies at Advanced Higher. Beyond school pupils may continue similar areas of study in politics and sociology at university.
Cost of Consumables
There are no consumables required for this course.

Modern Studies – Advanced Higher	Faculty of Humanities
Course Aims	
The purpose of the course is to build on the skills of Higher. Pupils will acquire the ability to read in depth about a subject in order to improve their knowledge and the quality of their written and verbal responses. This will help them prepare for further study, extended report writing, and research in further education or in the world of work.	
Recommended Entry Requirements	
Pupils will be expected to have achieved a grade A or B in Higher Modern Studies	
Course Specification	
The course is Social Issues and Research Methods. It has three sections: Law and Order, Research Methods and the Dissertation. The Law and Order section focuses on Understanding Criminal Behaviour and Responses by Society to Crime. The Research Methods section considers the advantages and disadvantages of different research methodologies.	
Assessment Specification	
There are three internal unit assessments to complete: one for Understanding Criminal Behaviour, Responses by Society to Crime and a final one for Research Methods. Additionally there is a 4000-5000 word dissertation which is based on a contemporary issue that is raised in the Law and Order Unit and also a final exam.	
Possible Progression	
Beyond school pupils may continue to similar areas of study in (e.g. Politics or Sociology) at university. The skills learned can also be applied to a variety of other courses.	
Cost of Consumables	
There are no consumables required for this course.	

Philosophy National 5

Course Aims

The main aims of the Course are to:

- develop basic knowledge and understanding of philosophy and philosophers.
- develop basic thinking, analytical and evaluative skills appropriate to philosophy.
- encourage learners' ability to use abstract thought.
- offer learners insight into the ideas of others which might be different from their own.
- develop communication skills appropriate to philosophy.

Course Specification

The Course has three mandatory Units. Within each Unit there is a degree of flexibility in the topics which can be studied, to allow personalisation and choice.

Philosophy: Arguments in Action

This Unit develops learners' ability to think philosophically. Learners will acquire a basic set of thinking and philosophical skills which they can apply to analyse and evaluate a range of everyday and philosophical arguments, drawing from a variety of contexts.

Philosophy: Knowledge and Doubt

This Unit equips learners with the knowledge and skills necessary to understand and discuss theories of knowledge. Learners will investigate reasons for scepticism in philosophy, with reference to different sources. Learners will actively explore problems associated with theories of knowledge, and use thinking skills to evaluate theories and to express opinions with supporting reasons.

Philosophy: Moral Philosophy

This Unit equips learners with the knowledge and skills necessary to examine and understand specific philosophical issues in moral philosophy. Learners will be introduced to different moral theories and philosophers to help explain different moral positions in relation to real-life situations. Learners will explore how different theories can be applied to moral issues. Learners will develop their own opinions about the theories explored and support these with reasons.

National 5 – Course Assessment

The Course will be assessed through a question paper and an assignment.

The question paper will sample philosophical knowledge and understanding from Course Units and will assess the learner's ability to apply knowledge and understanding to analyse and evaluate theories and arguments.

The assignment will be a report on a philosophical investigation using philosophical skills, knowledge and understanding to give a reasoned view on a question or claim.

Assessment Specification	
<p>The assessment of the Units in this Course will be as follows:</p> <p>Philosophy: Arguments in Action The learner will be able to demonstrate knowledge and understanding of arguments by giving an example of an argument and distinguishing the conclusion from the premises. When presented with a simple argument, the learner will be able to analyse the argument by commenting on its validity and identifying a fallacy in the argument.</p> <p>Philosophy: Knowledge and Doubt The learner will be able to demonstrate knowledge and understanding of epistemology by describing a philosophical definition of knowledge and explaining a problem identified by scepticism. The learner will evaluate theories of knowledge by explaining a rationalist view and an empiricist view, describing at least one strength and one weakness.</p> <p>Philosophy: Moral Philosophy The learner will be able to explain and evaluate a moral theory. This will involve describing the main features of a moral theory and applying the theory to specific moral issues. The learner will evaluate the theory by describing its strengths and weaknesses, and will express an opinion on the theory, giving supporting reasons.</p>	
Possible Progression	
<ul style="list-style-type: none"> • Higher Philosophy Course • Higher Religious, Moral and Philosophical Studies Course • Other SQA qualifications in social studies, social science or related areas at SCQF level 5 or SCQF level 6 	
Cost of Consumables	
<p>There are no consumables required for this course.</p>	

Philosophy – Higher

Course Aims

- develop knowledge and understanding of philosophy and philosophers
- develop thinking, analytical and evaluative skills appropriate to philosophy
- encourage learners to use philosophical techniques, including abstract thought
- offer learners insight into the ideas of others which might be different from their own
- develop communication skills appropriate to philosophy
- help learners to develop skills that are transferable to other areas of study, and that they will use in everyday life.

Recommended Entry Requirements

Pupils should have undertaken National 5 course in RMPS or Philosophy, or a National 5 course in English and another Humanities Subject. Pupils should also have performed well in the core RMPS course: Making Moral Decisions.

Course Specification

The course consists of three mandatory units:

Philosophy: Arguments in Action

This Unit develops learners' ability to think philosophically. Learners will acquire a set of thinking and philosophical skills, which they can apply to analyse and evaluate a range of everyday and philosophical arguments, drawing from a variety of contexts.

Philosophy: Knowledge and Doubt

This Unit equips learners with the knowledge and skills necessary to examine, discuss and evaluate theories of knowledge. They will investigate different theories to develop an understanding of rationalist and empiricist views, and the problems posed by scepticism. Learners will use a range of sources and select texts for analysis to critically evaluate philosophical responses to issues in epistemology.

Philosophy: Moral Philosophy

This Unit equips learners with the knowledge and skills necessary to examine, understand and debate specific philosophical issues in moral philosophy. Learners will study different moral theories and philosophers to analyse and evaluate different moral positions in relation to real-life situations. They will explore how different theories can be applied to moral issues. Learners will develop their own informed opinions about the theories explored.

Assessment Specification

The assessment of the Units in this course will be as follows:

Philosophy: Arguments in Action

The learner will be able to demonstrate knowledge and understanding of arguments, explaining the difference between deductive and inductive reasoning.

When presented with a complex argument, the learner will be able to analyse the argument by describing aspects of the argument, distinguishing the component propositions of the argument and identifying any hidden premises. The learner will be able to evaluate the reliability of the argument with reference to any fallacies present and should be able to express a reasoned conclusion on the acceptability, relevance or sufficiency of an argument.

Philosophy: Knowledge and Doubt

The learner will be able to demonstrate knowledge and understanding of epistemology by explaining rationalism, empiricism and scepticism.

The learner will evaluate either a rationalist or an empiricist view by explaining an argument used within an appropriate text, expressing a reasoned conclusion on the success of the argument.

Philosophy: Moral Philosophy

The learner will be able to analyse and evaluate a moral theory in detail. This will involve explaining the main features of moral theories and explaining how they might respond to a specific situation or issue. Evaluation will involve considering strengths and weaknesses of a selected moral theory. Learners will express a reasoned conclusion on how well the theory enables us to make moral decisions.

Possible Progression

These skills are an excellent foundation for continued study in higher education; for leadership roles in business, medicine, health science, education, etc; or any career which demands clarity of thought and problem solving. By enhancing thinking and reasoning skills, the course provides a valuable contribution to a student's personal, social and intellectual development.

An understanding of philosophy also provides a useful background for study or employment in a number of areas such as the media, politics, social policy, health professions and law.

Cost of Consumables

There are no consumables required for this course.

Politics –Higher
Course Aims
The purpose of this Course is to develop the learner’s knowledge and understanding of how differing political theories and ideologies, systems and parties resolve the timeless pursuit of power, authority and legitimacy. Its theoretical perspective enables learners to identify, explore and analyse political issues in order to develop their own views and perspectives.
Recommended Entry Requirements
Pupils will be expected to have achieved a pass at National 5 level in Modern Studies or at National 5 level in another Social Subject.
Course Specification
<p>The course is broken into three main units. The three topics studied are:</p> <ul style="list-style-type: none"> • Politics: Political Theory • Politics: Political Systems • Politics: Political Parties and Elections <p>Each of these requires pupils to study and demonstrate knowledge and understanding of the key issues and be able to write detailed essay answers about each one.</p>
Assessment Specification
There are three unit assessments and a final exam. The final exam consists of one paper which assesses both knowledge, through extended answers and skills, through the analysis of sources of information. Pupils are also required to complete an assignment in the form of a report on a contemporary issue of their choice. This will be completed in school under exam conditions but marked by the SQA and will form part of their overall mark.
Possible Progression
Pupils may progress to study Modern Studies at Advanced Higher. Beyond school pupils may continue similar areas of study in politics and sociology at university.
Cost of Consumables
There are no consumables required for this course.

RMPS – National 4/5

Course Aims

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

- the ability to understand and reflect on, religious, moral and philosophical questions and their impact.
- a range of skills including investigating and describing religious, moral and philosophical questions and responses, making comparisons, and the ability to express reasoned views.
- knowledge and understanding of beliefs, practices and sources related to world religions.
- knowledge and understanding of religious, moral and philosophical questions and responses to them.

Course Specification

The Course has three mandatory Units and an Added Value Unit. These include:

Morality and Belief

In this Unit, learners will develop skills to explain/describe and express views about contemporary moral questions and responses. They will develop knowledge and understanding of contemporary moral questions and a variety of religious and non-religious responses.

Topics include:

- Global Conflict
- Gender Identity
- Medical Ethics
- Crime and Punishment
- Justice
- Environmental Issues

Religious and Philosophical Questions

In this Unit, learners will develop skills to analyse/describe religious and philosophical questions and responses. They will develop straightforward knowledge and understanding of these.

Topics include:

- The Relationship Between Science and Religion
- Big Bang Theory
- Theory of Evolution
- Atheism
- Arguments For and Against the Existence of God

World Religion

In this Unit, learners will develop skills to explain/describe and comment on the meaning and context of sources related to the religion selected for study. They will develop knowledge and understanding of the impact and significance of religion today through studying some key beliefs, practices and sources found within one of the world's six major religions (Buddhism, Christianity, Hinduism, Islam, Judaism or Sikhism) and the contribution these make to the lives of followers.

Assessment Specification

National 4

Course is internally assessed over the three units and an added value unit of choice.

National 5

Course Assessment - Course consists of two components:

1. Question Paper 60 marks
Section 1 – World Religion
Section 2 – Morality and Belief
Section 3 – Religious and Philosophical Questions
2. Assignment 20 marks

Possible Progression

National 4

- National 5 RMPS or Philosophy

National 5

- Higher RMPS or Philosophy
- Further study, employment and/or training including journalism, social work, psychology, counselling, law, politics, broadcasting, charities administration, youth and community work.

Cost of Consumables

There are no consumables required for this course.

RMPS - Higher	Faculty of Humanities
Course Aims	
<p>The main aims of the course are for learners to develop:</p> <ul style="list-style-type: none"> the ability to critically analyse, reflect on and express reasoned views about religious, moral and philosophical questions and their impact. a range of skills including investigating religious, moral and philosophical questions and responses, critical analysis, evaluation, and the ability to express detailed, reasoned and well-structured views. in-depth factual and abstract knowledge and understanding of beliefs, practices and sources related to world religions. in-depth factual and theoretical knowledge and understanding of religious, moral and philosophical questions and responses to them. 	
Recommended Entry Requirements	
<ul style="list-style-type: none"> National 5 RMPS or Philosophy <p>Alternatively...</p> <ul style="list-style-type: none"> National 5 course in English and/or another Humanities subject (History, Geography, Modern Studies). Performed well in core RMPS 	
Course Specification	
<p>The course consists of three mandatory units and an assignment:</p> <p>Morality and Belief (Higher) In this Unit, learners will develop skills to evaluate and express detailed, reasoned and well-structured views about contemporary moral questions and responses. They will develop in-depth factual and theoretical knowledge and understanding of contemporary moral questions and religious and non-religious responses. Topics include:</p> <ul style="list-style-type: none"> Global Conflict Gender Identity Medical Ethics Crime and Punishment Justice Environmental Issues <p>Religious and Philosophical Questions (Higher) In this Unit, learners will develop skills to critically analyse religious and philosophical questions and responses. They will develop in-depth factual and theoretical knowledge and understanding of these. Topics include:</p> <ul style="list-style-type: none"> The Relationship Between Science and Religion Big Bang Theory Theory of Evolution Atheism Arguments For and Against the Existence of God 	

Assessment Specification

Course Assessment – The Course consists of two components:

3. Question Paper 60 marks
4. Assignment 30 marks

Possible Progression

- Advanced Higher Religious, Moral and Philosophical Studies
- Further study, employment and/or training including journalism, social work, psychology, counselling, law, politics, medicine, broadcasting, charities administration, youth and community work.

Cost of Consumables

There are no consumables required for this course.

<h1>Religious Moral and Philosophical Studies (RMPS) - Advanced Higher</h1>	Faculty of Humanities
<h2>Course Aims</h2>	
<p>The aim of this Course is to develop knowledge and understanding of religious, moral and philosophical issues that affect the world today. Religious and nonreligious perspectives will be included. The Course will explore the questions they raise and the solutions or approaches they offer. Learners will have opportunities to reflect on these and on their own experience and views.</p> <p>The Course will require learners to study complex religious and philosophical issues, and either contemporary medical ethics or religious experience in the world today.</p> <p>The Course will help learners develop an understanding of religious, moral and philosophical issues of relevance in the world today. Learners will develop skills which are transferable to other areas of study and which they can use in everyday life.</p>	
<h2>Recommended Entry Requirements</h2>	
<ul style="list-style-type: none"> Higher RMPS or Philosophy 	
<h2>Course Specification</h2>	
<p>The course consists of two mandatory units and a dissertation:</p> <p>Medical Ethics</p> <p>This unit requires students to:</p> <ul style="list-style-type: none"> Provide an in-depth account of the sanctity of life in relation to medical ethics Analyse the impact of the sanctity of life on one issue in medical ethics Evaluate one religious and non-religious response to the issue arising from the sanctity of life in medical ethics Develop a well-reasoned conclusion on the significance of the sanctity of life in medical ethics <p>Content includes: Treatment and use of Embryos, Abortion, Organ Procurement and Allocation, Forms of Euthanasia, End of life Care, Form of Assisted Dying.</p> <p>Philosophy of Religion</p> <p>This unit requires students to:</p> <ul style="list-style-type: none"> Provide an in-depth account of one claim about the existence of God Analyse the basis of the claim about the existence of God Evaluate, in depth, one criticism of the claim about the existence of God and a counter argument against the criticism Develop a well-reasoned conclusion on the claim about the existence of God 	

Content includes: Religious, Scientific, and Philosophical Responses to the Cosmological and Teleological Arguments for the Existence of God, Atheism, Criticisms of Classical Theism.	
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Assessment Specification	Faculty of Humanities
Course Assessment – The Course consists of two components:	
5. Question Paper 60 marks	
SECTION 1 — PHILOSOPHY OF RELIGION SECTION 2 — MEDICAL ETHICS	
6. Project-dissertation 40 marks	
Possible Progression	
This Course or its Units may provide progression to: <ul style="list-style-type: none"> • degree courses in theology, religious studies, philosophy, social sciences and social subjects or related areas • a diverse range of careers, including medicine and law, journalism, social work, psychology, counselling, politics, broadcasting. 	
Cost of Consumables	
There are no consumables required for this course.	

Mathematics – National 4

Course Aims

This course enables learners to acquire and apply operational skills necessary for developing mathematical ideas through symbolic representation and diagrams. They will select and apply mathematical techniques and will develop their understanding of the interdependencies within mathematics. In addition, learners will develop mathematical reasoning skills and will gain experience in making informed decisions.

Recommended Entry Requirements

Students will be expected to have covered the National 3 course and successfully passed all the mandatory units.

Course Specification

There are 4 Mandatory Components of Mathematics National 4:

Expressions and Formulae

The general aim of this Unit is to develop skills linked to straightforward mathematical expressions and formulae. These include the manipulation of abstract terms, the simplification of expressions and the evaluation of formulae. The Outcomes cover aspects of algebra, geometry, statistics and reasoning.

Relationships

The general aim of this Unit is to develop skills linked to straightforward mathematical relationships. These include solving equations, understanding graphs and working with trigonometric ratios. The Outcomes cover aspects of algebra, geometry, trigonometry, statistics and reasoning.

Numeracy

The general aim of this Unit is to develop learners' numerical and information handling skills to solve straightforward, real-life problems involving number, money, time and measurement. As learners tackle real-life problems, they will decide what numeracy skills to use and how to apply these skills to an appropriate level of accuracy. Learners will also interpret graphical data and use their knowledge and understanding of probability to identify solutions to straightforward real-life problems involving money, time and measurement. Learners will use their solutions to make and explain decisions.

Mathematics Test

This is the Added Value Unit of the National 4 Mathematics Course. The general aim of this Unit is to enable the learner to provide evidence of added value for the National 4 Mathematics Course through the successful completion of a test which will allow the learner to demonstrate breadth and challenge.

Assessment Specification	Faculty of Mathematics
All the above units are internally assessed on a pass/fail basis and the overall Course Award is dependent on learners passing all of the four Mandatory units.	
Possible Progression	
<p>Achievement of the Course Award may provide progression to:</p> <ul style="list-style-type: none"> • National 5 Mathematics • National 5 Lifeskills Mathematics 	
Cost of Consumables	
There are no consumables required for this course.	

Mathematics – National 5

Course Aims

This course enables learners to acquire and apply operational skills necessary for developing mathematical ideas through symbolic representation and diagrams. They will select and apply mathematical techniques and will develop their understanding of the interdependencies within mathematics. In addition, learners will develop mathematical reasoning skills and will gain experience in making informed decisions.

Recommended Entry Requirements

Students will be expected to have covered the National 4 course and successfully passed all the mandatory units.

Course Specification

There are 4 Mandatory Components of Mathematics National 5:

Expressions and Formulae

The general aim of this Unit is to develop skills linked to mathematical expressions and formulae. These include the manipulation of abstract terms, the simplification of expressions and the evaluation of formulae. The Outcomes cover aspects of number, algebra, geometry and reasoning.

Relationships

The general aim of this Unit is to develop skills linked to mathematical relationships. These include solving and manipulating equations, working with graphs and carrying out calculations on the lengths and angles of shapes. The Outcomes cover aspects of algebra, geometry, trigonometry and reasoning.

Applications

The general aim of this Unit is to develop skills linked to applications of mathematics. These include using trigonometry, geometry, number processes and statistics within real-life contexts.

The learner will also have to sit an **externally marked examination** which covers the content of the above units.

Assessment Specification	Faculty of Mathematics
The Mandatory Units are internally assessed on a pass/fail basis. To achieve an overall Course Award these must all be passed. In addition to this the learner will also be required to pass an externally assessed Course Assessment where they will draw on and apply the skills they have learned during the course. The Assessment will comprise of 2 papers and in one of these a calculator will not be allowed.	
Possible Progression	
Achievement of the Course Award may provide progression to Higher Mathematics.	
Cost of Consumables	
There are no consumables required for this course.	

Mathematics – Higher

Course Aims

This course enables you to build on your previous mathematical experience in the areas of algebra, geometry and trigonometry and introduces you to elementary calculus. This course will develop, deepen and extend the mathematical skills necessary at this level and beyond. You will acquire and apply operational skills necessary for exploring mathematical ideas through symbolic representation and diagrams. In addition, you will develop mathematical reasoning skills and will gain experience in making informed decisions.

Recommended Entry Requirements

Students will be expected to have attained an award at Grade A or B in National 5 Maths.

Course Specification

Three mandatory units are:

Expressions and Functions

In this unit you will:

- develop knowledge and skills that involve the manipulation of expressions, the use of vectors and the study of mathematical functions
- cover aspects of algebra, geometry and trigonometry, and also skills in mathematical reasoning and modelling.

Relationships and Calculus

In this unit you will:

- develop knowledge and skills that involve solving equations and to introduce both differential calculus and integral calculus
- cover aspects of algebra, trigonometry, calculus, and also skills in mathematical reasoning and modelling.

Applications

In this unit you will:

- develop knowledge and skills that involve geometric applications, applications of sequences and applications of calculus
- cover aspects of algebra, geometry, calculus, and also skills in mathematical reasoning and modelling.

Assessment Specification	Faculty of Mathematics
Internal assessment for each of the above three units followed by an external examination comprising two papers. The first of the two papers will be a non-calculator paper. A course award is only gained when all of these assessments have been successfully completed.	
Possible Progression	
Students may progress to Mathematics AH and/or Applied Mathematics (AH) or exit to Higher or Further Education, using either the qualifications as a general or a specific entry requirement for mathematics, engineering, or science HNC/HND or degree course.	
Cost of Consumables	
There are no consumables required for this course.	

Mathematics – Advanced Higher	Faculty of Mathematics
Course Aims	
The course builds on and extends present mathematical skills, knowledge and understanding. The course offers students an enhanced awareness of the range and power of mathematics.	
Recommended Entry Requirements	
Entry to the course will normally be a pass at grade A/B in Higher Mathematics.	
Course Specification	
This course consists of three units in Mathematics, Maths1, Maths2 and Maths3. The course content covers further study in differentiation, integration and vectors and introduces a more rigorous approach to other topics.	
Assessment Specification	
To gain the award for the course the student must pass all unit assessments as well as the external assessment. External assessment will provide the basis for grading attainment in the course award.	
Possible Progression	
The mathematical experience gained in this course is relevant to further study or employment in mathematical or physical sciences, computer sciences, engineering, biological and social sciences, medicine, accounting, business and management.	
Cost of Consumables	
There are no consumables required for this course.	

Mathematics – Lifeskills (National 3/4)	Faculty of Mathematics
Course Aims	
<p>Mathematics is important in everyday life, allowing us to make sense of the world and manage our lives. You will learn how to model real-life situations and make connections and informed predictions. You will develop the skills to interpret and analyse information, simplify and solve problems, assess risk, and make informed decisions. These skills will make you valuable to future employers.</p>	
Recommended Entry Requirements	
<p>Students will be expected to have covered the National 3 course and successfully passed all the mandatory units.</p>	
Course Specification	
<p>There are 4 Mandatory Components of Mathematics National 4 Lifeskills:</p> <p>Managing Finance and Statistics In this unit you will</p> <ul style="list-style-type: none"> •learn how to use reasoning and financial skills to manage finance and statistics in real-life situations •learn how to budget, and how to organise and present data. <p>Geometry and Measures In this unit you will</p> <ul style="list-style-type: none"> •learn how to apply reasoning skills and geometric skills in real-life situations •learn how to use mathematical reasoning to interpret and use shape, space and measures. <p>Numeracy The general aim of this Unit is to develop learners’ numerical and information handling skills to solve straightforward, real-life problems involving number, money, time and measurement. As learners tackle real-life problems, they will decide what numeracy skills to use and how to apply these skills to an appropriate level of accuracy. Learners will also interpret graphical data and use their knowledge and understanding of probability to identify solutions to straightforward real-life problems involving money, time and measurement. Learners will use their solutions to make and explain decisions.</p> <p>Mathematics Test In this Added Value Test</p> <ul style="list-style-type: none"> •complete a test that assesses your ability to organise and plan aspects of personal life, the workplace and the wider world using mathematical ideas and strategies •use reasoning to apply and integrate financial, measurement, geometric and statistical skills in real-life contexts •be assessed on your ability to use your numerical skills without the aid of a calculator. 	

Assessment Specification	Faculty of Mathematics
All the above units are internally assessed on a pass/fail basis and the overall Course Award is dependent on learners passing all of the four Mandatory units.	
Possible Progression	
<p>Achievement of the Course Award may provide progression to:</p> <ul style="list-style-type: none"> • National 5 Lifeskills Mathematics. 	
Cost of Consumables	
There are no consumables required for this course.	

Mathematics – Lifeskills (National 5)	Faculty of Mathematics
Course Aims	
Through real-life contexts, you will learn how to apply mathematical operational skills that are directly relevant to life and work. You will develop your mathematical reasoning skills, your creativity, and your ability to draw conclusions and make and justify decisions. The course will include the freestanding Unit in Numeracy at SCQF level 5.	
Recommended Entry Requirements	
Students will be expected to have covered the National 4 course or National 4 Lifeskills course and successfully passed all the mandatory units.	
Course Specification	
<p>The course has three compulsory units. The units are similar to those for National 4 but you will be expected to produce a higher standard of work.</p> <p>Managing Finance and Statistics In this unit you will</p> <ul style="list-style-type: none"> •develop your reasoning and financial skills to manage finance and statistics in real-life situations •learn how to analyse financial positions, budget, and organise and present data to justify solutions and/or draw conclusions. <p>Geometry and Measures In this unit you will</p> <ul style="list-style-type: none"> •develop you reasoning and geometric skills in real-life situations •learn how to analyse and use geometry and measures to identify and justify solutions to real-life problems. <p>Numeracy In this unit you will:</p> <ul style="list-style-type: none"> •develop your numerical and information-handling skills to solve real-life problems involving number, money, time and measurement •interpret graphical data and use your knowledge of probability to solve real-life problems involving money, time and measurement. •learn how to use your solutions to make and justify decisions. 	

Assessment Specification	Faculty of Mathematics
All the above units are internally assessed on a pass/fail basis and the overall Course Award is dependent on learners passing all of the four Mandatory units.	
Possible Progression	
The Mandatory Units are internally assessed on a pass/fail basis. To achieve an overall Course Award these must all be passed. In addition to this the learner will also be required to pass an externally assessed Course Assessment where they will draw on and apply the skills they have learned during the course. The Assessment will comprise of 2 papers and in one of these a calculator will not be allowed.	
Cost of Consumables	
There are no consumables required for this course.	

French – National 3

Course Aims

This course aims to help you read, write, listen to and speak French in many different situations and settings. Your critical and creative thinking skills will also improve, as well your cultural awareness.

Course Specification

The course has **two** compulsory units.

French: Understanding Language (9 SCQF credit points)

In this unit you will:

- develop reading and listening skills in French
- develop your knowledge of simple French in the contexts of society, learning, employability and culture.

French: Using Language (9 SCQF credit points)

In this unit you will:

- develop talking and writing skills in French
- develop your knowledge of simple French in the contexts of society, learning, employability and culture.

Assessment Specification

Your teacher will assess your work on a regular basis throughout the course. Items of work might include:

- practical work – reading, speaking or listening to texts
- written work – producing simple texts.

You must pass both units to gain the course qualification.

Possible Progression

If you complete the course successfully, it may lead to:

- **National 4 French**

Further study, training or employment in, for example:

- **Buying, Selling and Related Work**
- **Hospitality, Catering and Tourism**
- **Languages**

Cost of Consumables

There are no consumables required for this course.

<h2>French – National 4/5</h2>	
<h3>Course Aims</h3>	
<p>This course offers you the opportunity to develop detailed language skills in meaningful contexts of culture, society, learning and work. You will read, listen, talk and write in French, and reflect how this relates to English. You will also learn to understand how language works and how to get across information and ideas.</p> <p>You will study a wide range of different types of texts in different media. You will also learn to think critically, creatively and develop cultural awareness.</p>	
<h3>Course Specification</h3>	
<p>The course has two compulsory units, plus an added value unit that assesses your practical skills</p> <p>French: Understanding Language In this unit you will:</p> <ul style="list-style-type: none"> • develop reading and listening skills in French • develop your knowledge of straightforward French in the contexts of society, learning, employability and culture <p>French: Using Language In this unit you will:</p> <ul style="list-style-type: none"> • develop talking and writing skills in French • develop your knowledge of straightforward French in the contexts of society, learning, employability and culture. <p>Added Value Unit: National 4 - French Assignment In this unit you will:</p> <ul style="list-style-type: none"> • select relevant information from at least two written texts • make a spoken presentation in French, and respond appropriately to questions in French <p>Added Value Unit : National 5 - French Assessment In this unit you will:</p> <ul style="list-style-type: none"> • deliver a presentation and conversation in French • sit one question paper testing your reading and writing skills, and a second one testing your listening skills in French 	

Assessment Specification	
<p>National 4</p> <p>Your teacher will assess your work on an ongoing basis throughout the course. Items of work might include:</p> <ul style="list-style-type: none"> • practical work – reading, speaking or listening to texts • written work – producing straightforward texts or reports <p>You must pass both units plus the added value unit to gain the course qualification.</p> <p>National 5</p> <p>Your teacher will assess your work on an ongoing basis throughout the course. Items of work might include:</p> <ul style="list-style-type: none"> • practical work – reading, speaking or listening to texts • written work – producing detailed texts or reports • class-based exams <p>You will also sit a written exam marked by the Scottish Qualification Authority. You must pass the all the course units including the practical assessment plus the written exam to be awarded the course qualification.</p> <p>The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course.</p> <p>Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.</p>	
Possible Progression	
<p>National 4</p> <p>If you complete the course successfully, it may lead to:</p> <ul style="list-style-type: none"> • National 5 French <p>Further study, training or employment in, for example:</p> <ul style="list-style-type: none"> • Languages • Hospitality, Catering, Tourism • Teaching and Classroom Support <p>National 5</p> <p>If you complete the course successfully, it may lead to:</p> <ul style="list-style-type: none"> • Higher French <p>Further study, training or employment in, for example:</p> <ul style="list-style-type: none"> • Languages • Hospitality, Catering, Tourism • Teaching and Classroom Support 	
Cost of Consumables	
<p>There are no consumables required for this course.</p>	

French – Higher
Course Aims
The purpose of this course is to enable you to develop your ability to use the French language in useful and relevant contexts. The four skill areas are listening, speaking, reading and writing. In addition, the course provides you with knowledge of France and the customs and way of life of the French people.
Recommended Entry Requirements
<p>This is at the discretion of the school/college but you would normally be expected to have attained one of the following:</p> <ul style="list-style-type: none"> • National 5 French or relevant units from the course.
Course Specification
<p>This course aims to help you develop your reading, listening, talking and writing skills in French, in a variety of contexts. You will encounter a wide range of different types of texts in different media. In addition, the course also provides you with knowledge of France and the customs and way of life of the French people.</p> <p>The course consists of two compulsory units and the course assessment unit.</p> <p>Understanding French (9 SCQF credit points). In this unit you will:</p> <ul style="list-style-type: none"> • develop and extend reading and listening skills in French • develop your knowledge and understanding of detailed and complex French in the contexts of society, learning, employability, and culture. <p>Using French (9 SCQF credit points). In this unit you will:</p> <ul style="list-style-type: none"> • develop and extend talking and writing skills in French • develop your knowledge and understanding of detailed and complex French in the contexts of society, learning, employability, and culture. <p>Course assessment (6 SCQF credit points) The course assessment consists of two components:</p> <ul style="list-style-type: none"> • two question papers (70 marks) • a performance (30 marks). <p>The question papers will assess your listening, reading, and writing skills in French. The question papers will be set and marked by SQA.</p> <p>The performance has two sections; delivering a presentation in French, and taking part in a natural, spontaneous conversation with the teacher or lecturer in French. The conversation will be from one of the following contexts: society, learning, employability, or culture.</p>

Assessment Specification

Your work will be assessed by your teacher on an ongoing basis throughout the course. You must pass both units and the course assessment to gain the course qualification.
The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course.

Possible Progression

Successful completion of this course may lead to:

- Advanced Higher French

Further study, training or employment in, for example:

- Administration & Management
- Arts, Social Science & Religion
- Hospitality, Catering & Tourism
- Languages
- Law

Cost of Consumables

There are no consumables required for this course.

French – Advanced Higher

Course Aims

The 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 advanced language skills of translation
- apply knowledge and understanding of a modern language to a range of contexts
- understand, analyse and evaluate complex literary and/or media texts in the modern language
- apply knowledge and understanding of language in work in the modern language

Recommended Entry Requirements

This is at the discretion of the Principal teacher, but you would normally be expected to have attained one of the following:

- Higher French units or course
- an equivalent qualification.

Course Specification

Mandatory Units

Understanding Language (Advanced Higher)	8 SGQF credit points
Using Language (Advanced Higher)	8 SCQF credit points
Specialist Study (Advanced Higher)	8 SCQF credit points
Course Assessment (Advanced Higher)	8 SCQF credit points

Assessment Specification

The assessment of the **Units** in this Course will be as follows:

Understanding Language (Advanced Higher)

In response to texts which use complex and sophisticated language, learners will be required to provide evidence of their listening and reading skills in the modern language, in one of the following contexts: society, learning, employability, or culture.

Using Language (Advanced Higher)

Using complex and sophisticated language, learners will be required to provide evidence of their talking and writing skills in the modern language, in one of the following contexts: society, learning, employability, or culture.

Specialist Study (Advanced Higher)

Learners will be required to provide evidence of their planning, research and analysis skills based on literature or media or language in work within the context of the modern language.

The **Course** assessment will take the form of:

- a **performance**, through which learners will demonstrate their talking skills in the modern language
- a **portfolio**, through which learners will demonstrate their analysis skills, in English, of either literature and/or a background topic, or the modern language in work
- a **question paper**, through which learners will demonstrate their reading, translation, listening and writing skills in the modern language.

Possible Progression

Successful completion of this course may lead to:

Education (HNC/HND/Degree) or Employment in, for example

- Arts, Social Science & Religion
- Hospitality, Catering & Tourism
- Languages
- Law

Cost of Consumables

There are no consumables required for this course.

German – National 3

Course Aims

This course aims to help you read, write, listen to and speak German in many different situations and settings. Your critical and creative thinking skills will improve, as well your cultural awareness.

Course Specification

The course has **two** compulsory units.

German: Understanding Language (9 SCQF credit points)

In this unit you will:

- develop reading and listening skills in German
- develop your knowledge of simple German in the contexts of society, learning, employability and culture.

German: Using Language (9 SCQF credit points)

In this unit you will:

- develop talking and writing skills in German
- develop your knowledge of simple German in the contexts of society, learning, employability and culture.

Assessment Specification

Your teacher will assess your work on a regular basis throughout the course. Items of work might include:

- practical work – reading, speaking or listening to texts
- written work – producing simple texts.

You must pass both units to gain the course qualification.

Possible Progression	Faculty of Modern Languages
<p>If you complete the course successfully, it may lead to:</p> <ul style="list-style-type: none"> • National 4 <u>German</u> <p>Further study, training or employment in, for example:</p> <ul style="list-style-type: none"> • <u>Languages</u> • <u>Buying, Selling and Related Work</u> • <u>Hospitality, Catering, Tourism</u> 	
Cost of Consumables	
<p>There are no consumables required for this course.</p>	

German – National 4/5

Course Aims

This course offers you the chance to develop your skills in reading, listening, talking and writing in German, important for learning, work and life. You will also learn to understand how language works and how to get across information and ideas. You will study a wide range of different types of texts in different media. You will also learn to think critically, creatively and develop cultural awareness.

Course Specification

The course has two compulsory units, plus an added value unit that assesses your practical skills.

German: Understanding Language

In this unit you will:

- develop reading and listening skills in German
- develop your knowledge of straightforward German in the contexts of society, learning, employability and culture

German: Using Language

In this unit you will:

- develop talking and writing skills in German
- develop your knowledge of straightforward German in the contexts of society, learning, employability and culture

Added Value Unit:

National 4 - German Assignment

In this unit you will:

- select relevant information from at least two written texts
- make a verbal presentation in German, and respond appropriately to questions in German

National 5 – German Assignment

In this unit you will:

- deliver a presentation and conversation in German
- sit one question paper testing your reading and writing skills, and a second on testing your listening skills in German

Assessment Specification

National 4

Your teacher will assess your work on a regular basis throughout the course. Items of work might include:

- practical work – reading, speaking or listening to texts
- written work – producing simple texts
- class-based exams

You must pass both units plus the added value unit to gain the course qualification

National 5

Your teacher will assess your work on an ongoing basis throughout the course. Items of work might include:

- practical work – reading, speaking or listening to texts
- written work – producing detailed texts or reports
- class-based exams

You will also sit a written exam marked by the Scottish Qualification Authority (SQA).

You must pass all the course units including the practical assessment plus the written exam to be awarded the course qualification.

The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course.

Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.

Possible Progression

National 4

If you complete the course successfully, it may lead to:

- National 5 German

Further study, training or employment in, for example:

- Languages
- Hospitality, Catering, Tourism
- Teaching and Classroom Support

National 5

If you complete the course successfully, it may lead to:

- Higher German

Further study, training or employment in, for example:

- Languages

Cost of Consumables

There are no consumables required for this course.

German – Higher

Course Aims

The purpose of this course is to enable you to develop your ability to use the German language in useful and relevant contexts. The four skill areas are listening, speaking, reading and writing. In addition, the course provides you with knowledge of Germany and the customs and way of life of the German people.

Recommended Entry Requirements

Entry is at the discretion of the school or college, but you would normally be expected to have:

- [National 5 German](#) or relevant units from course.

Course Specification

This course aims to help you develop your reading, listening, talking and writing skills in German, in a variety of contexts. You will encounter a wide range of different types of texts in different media. In addition, the course also provides you with knowledge of Germany and the customs and way of life of the German people.

The course consists of **two** compulsory units and the course assessment unit.

Understanding German (9 SCQF credit points)

In this unit you will:

- develop and extend reading and listening skills in German
- develop your knowledge and understanding of detailed and complex German in the contexts of society, learning, employability, and culture.

Using German (9 SCQF credit points)

In this unit you will:

- develop and extend talking and writing skills in German
- develop your knowledge and understanding of detailed and complex German in the contexts of society, learning, employability, and culture.

Course assessment (6 SCQF credit points)

The course assessment consists of two components:

- two question papers (70 marks)
- a performance (30 marks).

The question papers will assess your listening, reading, and writing skills in German. The question papers will be set and marked by SQA.

The performance has two sections; delivering a presentation in German, and taking part in a natural, spontaneous conversation with the teacher or lecturer in German. The conversation will be from one of the following contexts: society, learning, employability, or culture.

Assessment Specification

Your work will be assessed by your teacher on an ongoing basis throughout the course. You must pass both units and the course assessment to gain the course qualification.

The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course.

Possible Progression

Successful completion of this course may lead to:

Advanced Higher in German

Education (HNC/HND/Degree); Employment in, for example

- Administration & Management
- Arts, Social Science & Religion
- Hospitality, Catering & Tourism
- Languages
- Law

Cost of Consumables

There are no consumables required for this course.

German – Advanced Higher

Course Aims

The 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 advanced language skills of translation
- apply knowledge and understanding of a modern language to a range of contexts
- understand, analyse and evaluate complex literary and/or media texts in the modern language
- apply knowledge and understanding of language in work in the modern language

Recommended Entry Requirements

This is at the discretion of the Principal teacher, but you would normally be expected to have attained one of the following:

- Higher German units or course
- an equivalent qualification.

Course Specification

Mandatory Units

Understanding Language (Advanced Higher)	8 SGQF credit points
Using Language (Advanced Higher)	8 SCQF credit points
Specialist Study (Advanced Higher)	8 SCQF credit points
Course Assessment (Advanced Higher)	8 SCQF credit points

Assessment Specification

The assessment of the **Units** in this Course will be as follows:

Understanding Language (Advanced Higher)

In response to texts which use complex and sophisticated language, learners will be required to provide evidence of their listening and reading skills in the modern language, in one of the following contexts: society, learning, employability, or culture.

Using Language (Advanced Higher)

Using complex and sophisticated language, learners will be required to provide evidence of their talking and writing skills in the modern language, in one of the following contexts: society, learning, employability, or culture.

Specialist Study (Advanced Higher)

Learners will be required to provide evidence of their planning, research and analysis skills based on literature or media or language in work within the context of the modern language.

The **Course** assessment will take the form of:

- a **performance**, through which learners will demonstrate their talking skills in the modern language
- a **portfolio**, through which learners will demonstrate their analysis skills, in English, of either literature and/or a background topic, or the modern language in work
- a **question paper**, through which learners will demonstrate their reading, translation, listening and writing skills in the modern language.

Possible Progression

Successful completion of this course may lead to:

Education (HNC/HND/Degree) or Employment in, for example

- Arts, Social Science & Religion
- Hospitality, Catering & Tourism
- Languages
- Law

Cost of Consumables

There are no consumables required for this course.

Biology – National 5 (National 4)
Course Aims
<p>Biology – the study of living organisms – affects us all. You will find out how Biology is helping to find solutions to world problems.</p> <p>Advances in technology means Biologists are:</p> <ul style="list-style-type: none"> • exploring the use of genetic modification to produce new plants and drugs • solving crimes by understanding crime scene material • developing new sources of food for our growing population <p>Further information can be found on the SQA website.</p>
Progression into this Course
<p>Candidates would normally be expected to have attained the skills, knowledge and understanding required by the following qualifications and/or experience: -</p> <ul style="list-style-type: none"> • S3 (Level 4 CfE) Biology • National 4 Biology <p>A reasonable level of mathematical problem solving is required for success at national 5</p>
Course Specification (National 5 Biology)
<p>Biology is a hands-on subject that develops your analytical thinking, and helps you to solve problems through experiments and research. You will learn about living systems and their interdependence. You will find out about evolution of species, and how humans impact on the environment. You will develop your practical and investigation skills by carrying out biological experiments in laboratories.</p> <p>The course has three mandatory units:</p> <p>Cell Biology In this unit you will:</p> <ul style="list-style-type: none"> • develop your skills of scientific enquiry by studying: cell structure; transport across cell membranes; producing new cells; DNA and the production of proteins; proteins and enzymes; genetic engineering; photosynthesis and respiration <p>Multicellular Organisms In this unit you will:</p> <ul style="list-style-type: none"> • study cells, tissues and organs, stem cells and meristems • develop an understanding of control and communication, reproduction, variation and inheritance • learn to understand the need for transport and effects of lifestyle choices on animal transport and exchange systems <p>Life on Earth In this unit you will:</p> <ul style="list-style-type: none"> • develop your investigation and analytical thinking skills by studying biodiversity and the distribution of life and energy in ecosystems; • use sampling techniques and measurement of abiotic and biotic factors

Assessment Specification

To gain the Course Award you must pass all the Course Units and the Course Assessment (Course Units are assessed internally). The Course Assessment has two components:

1 — Question Paper	80 marks
2 — Assignment	20 marks
Total:	100 marks

Both the Question Paper and the Assignment will be set and marked by the SQA.

The Course assessment is graded A–D. Your grade will depend on the total combined mark for both Course Assessment components.

To gain the Course Award for **National 4 Biology**, you must pass all the Course Units, including the Added Value Unit (Assignment). All assessment at National 4 Biology is internal.

Pupils will likely follow a common course (in the same class). Depending on progress they will be presented for either the N4 award or the N5 award.

Possible Progression

If you complete National 5 Biology successfully, it may lead to:

- other qualifications in Biology or related areas (e.g. Higher Biology, Higher Human Biology, Higher Environmental Science)
- other Science related subjects (e.g. National 5 Chemistry, National 5 Physics)
- further study, training or employment in Science related areas

If you complete National 4 Biology successfully, it may lead to:

- other qualifications in Biology or related areas (e.g. National 5 Biology, National 5 Environmental Science)
- further study, training or employment in Science related areas.

Cost of Consumables

There are no consumables required for this course.

Biology – Higher
Course Aims
<p>Biology, the study of living organisms, plays a crucial role in our everyday existence, and is an increasingly important subject in the modern world. Advances in technologies have made this varied subject more exciting and relevant than ever.</p> <p>This course aims to develop your interest and enthusiasm for biology in a range of contexts. The skills of scientific enquiry and investigation are developed throughout the course by investigating the applications of biology. This will enable you to become scientifically literate, and able to review the science-based claims that you meet.</p> <p>The skills that you learn in Biology are useful in many careers, including medicine, veterinary work, nursing, dentistry, physiotherapy, food science, sport science, pharmacology and beauty therapy. Further information can be found at www.sqa.org.uk</p>
Recommended Entry Requirements
Candidates would normally be expected to have successfully passed National 5 Biology (A-C grade) and have mathematical problem solving skills equivalent to national 5 level.
Course Specification
<p>The course consists of three compulsory units and the assessment unit.</p> <p>Biology: DNA and the Genome (6 SCQF credit points) In this unit you will:</p> <ul style="list-style-type: none"> • study DNA and the genome • look at key areas of structure and replication of DNA, gene expression and the genome • explore the molecular basis of evolution and biodiversity, while the unity of life is emphasised in the study of gene expression • understand gene expression, at the cellular level, leading to the study of differentiation in organisms • look at the evolution and structure of the genome and genomics, including personal genomics. <p>Biology: Metabolism and Survival (6 SCQF credit points) In this unit you will:</p> <ul style="list-style-type: none"> • investigate the central metabolic pathways of ATP synthesis by respiration and how control of the pathways is essential to cell survival • look at key areas of metabolisms as essential for life, maintaining metabolism, and metabolism in microorganisms • investigate how cellular respiration is fundamental to metabolism and by examining the stages of respiration • consider the adaptations for the maintenance of metabolism for survival for whole organisms • examine the importance of the manipulation of metabolism in microorganisms, both in the laboratory and in industry, including ethical considerations.

Biology: Sustainability and Interdependence (6 SCQF credit points)

In this unit you will:

- investigate how humans depend on sufficient and sustainable food production from a narrow range of crop and livestock species, focusing on photosynthesis in plants
- cover key areas of the science of food production, interrelationships and dependant, and biodiversity
- look at the importance of plant productivity and the manipulation of genetic diversity to maintain food security
- look at interrelationship and dependency, through symbiosis and social behaviour
- attempt to measure, catalogue, understand and address the human impact, including mass extinction, by studying biodiversity.

Assessment Specification**Unit assessment**

All Units are internally assessed against the requirements shown in the *Unit Specification*.

They can be assessed on a Unit-by-Unit basis or by combined assessment.

They will be assessed on a pass/fail basis within centres - your work will be assessed by your teacher on an ongoing basis throughout the course.

Course Assessment (6 SCQF credit points)

The course assessment has two components:

- a question paper consisting of two sections (100 marks)
- an assignment (20 marks).

The question paper will assess scientific enquiry skills, analytical thinking skills and the impact of applications on society and the environment.

For the assignment, which requires learners to demonstrate aspects of challenge and application; you will apply skills of scientific inquiry, using related knowledge, to carry out a meaningful and appropriately challenging task in biology and communicate findings.

Both the question paper and assignment will be set and externally marked by SQA.

The course assessment is graded A-D. Your grade will depend on the total mark for all the units in your course.

You must pass *all three units* **and** the *course assessment* to gain the course qualification.

Possible Progression

If you complete the course successfully it may lead to:

- Advanced Higher Biology or other qualifications in Biology related areas.

Further study, training or employment in:

- Animals Land and Environment
- Hairdressing and Beauty
- Health and Medicine
- Manufacturing Industries
- Science and Mathematics
- Social, Caring and Advisory Services
- Sports and Leisure

Cost of Consumables

There are no consumables required for this course.

Biology – Advanced Higher

Course Aims

Advanced Higher Biology builds on the knowledge, understanding and skills developed by the learner in Higher and provides a useful bridge towards further study of biology.

This course is based on integrative ideas and unifying principles of modern biological science. It covers key aspects of life science at the molecular scale and extends to aspects of the biology of whole organisms that are the major driving forces of evolution. In addition, we aim to develop a sound theoretical understanding and practical experience of experimental investigative work in biological science.

The overall aims of this Course are to enable learners to:

- develop a critical understanding of the role of biology in scientific issues and relevant applications, including the impact these could make on the environment/society.
- extend and apply knowledge, understanding and skills of biology.
- 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 analytical thinking skills, including critical evaluation of experimental procedures, in a biology context.
- extend and apply problem solving skills in a biology context.
- further develop an understanding of scientific literacy, using a 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 biology.

Recommended Entry Requirements

Students should normally have successfully completed Higher Biology at grade A or B.

Course Specification

The Advanced Higher Biology course is made up of three units and a project:

Cells and Proteins

This Unit builds on understanding of the genome from Higher Biology and Higher Human Biology. Learners will develop knowledge and understanding of proteomics, protein structure, binding and conformational change; membrane proteins; detecting and amplifying a stimulus; communication within multicellular organism and protein control of cell division. The study of protein is primarily a laboratory-based activity, so the Unit includes important laboratory techniques for biologists.

This skills-based sequence covers health and safety considerations, through the use of liquids and solutions, to a selection of relevant separation and antibody techniques. In addition, much work on cell biology is based on the use of cell lines, so includes techniques related to cell culture and microscopy.

Organisms and Evolution

This Unit builds on understanding of selection in the context of evolution and immune response from Higher Biology and Higher Human Biology. Learners will develop knowledge and understanding of evolution; variation and sexual reproduction; sex and behaviour and parasitism. It covers the role of sexual reproduction and parasitism in the evolution of organisms. Biological variation is a central concept in this Unit and is best observed in the natural environment.

This Unit covers suitable techniques for ecological field study. Methods of sampling and the classification and identification of organisms are introduced. Evolution is considered from the impact of drift and selection on variation. The study of sexual behaviour provides opportunities to use the techniques of ethology. There are many opportunities to explore the systems approach required for the understanding of parasite biology. In addition, there are many opportunities to explore wider ethical issues relating to the importance of scientific knowledge and its application in challenging social and economic circumstances.

Investigative Biology (Advanced Higher)

This Unit builds on understanding of the scientific method from Higher Biology and Higher Human Biology. Learners will develop knowledge and understanding of the principles and practice of investigative biology and its communication. The Unit covers scientific principles and processes, experimentation and critical evaluation of biological research.

Learners will do this through the key aspects of the scientific method, literature and communication and ethics; pilot studies, variables, experimental design, controls, sampling and ensuring reliability; evaluating background information, experimental design, data analysis and conclusions. The collection of experimental data will provide an opportunity to develop planning and organising skills.

This Unit can be integrated across the other Units of the Course.

Biology Project

Equipped with the knowledge of biology apparatus, techniques and an understanding of concepts, learners will identify, research, plan and safely carry out a biology practical project of their choice.

Assessment Specification

Candidates must pass the following assessment elements to gain a course award:

- Written assessment (UASP) at the end of each unit
- Candidate must write one experimental report based on a planned experiment (outcome 1)
- Biology Project (30 marks or 23% of the total external assessment)
- External examination (100 marks or 77% of the total external assessment)

Possible Progression

This Course or its Units may provide progression to a biology-based (or related) HND/degree programme or career in areas such as medicine, dentistry, veterinary medicine, pharmacology, environmental science.

Cost of Consumables

There are no consumables required for this course.

Chemistry – National 5 (National 4)

Course Aims

Chemistry is vital to everyday life and allows us to understand and shape the world in which we live.

- You will learn about the applications of chemistry in everyday contexts such as medicine, energy and industry, as well as its impact on the environment and sustainability
- You will learn how to think creatively and independently, and analyse and solve problems

Further information can be found on the SQA website.

Progression into this Course

Candidates would normally be expected to have attained the skills, knowledge and understanding required by the following qualifications and/or experience: -

- S3 (Level 4 CfE) Chemistry
- National 4 Chemistry

Course Specification

You will learn about how we use the Earth's resources, the chemistry of everyday products and environmental analysis. You will find out how chemistry affects our environment and our everyday lives. This will help you to make your own decisions on contemporary issues where scientific knowledge is constantly developing.

The course has three mandatory units:

Chemical Changes and Structure

In this unit you will:

- develop scientific skills and knowledge of chemical reactions
- investigate rates of reaction, energy changes of chemical reaction, and the reactions of acids and bases and their impact on the environment
- research atomic structure and bonding related to properties of materials

Nature's Chemistry

In this unit you will:

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

Chemistry in Society

In this unit you will:

- investigate the chemical reactions, properties and applications of metal and alloys
- investigate the use of fertilisers, the formation of elements, and the presence of background radiation
- research the use of chemical analysis for monitoring the environment

Assessment Specification

To gain the Course Award for **National 5** Chemistry you must pass all the Course Units and the Course Assessment (Course Units are assessed internally). The Course Assessment has two components and covers the added value of the course:

1 — Question Paper	80 marks
2 — Assignment	20 marks
Total:	100 marks

Both the Question Paper and the Assignment will be set and marked by the SQA.

Course assessment will provide the basis for grading attainment in the Course award. The Course assessment is graded A–D. Your grade will depend on the total combined mark for both Course Assessment components.

To gain the Course Award for **National 4** Chemistry, you must pass all the Course Units, including the Added Value Unit (Assignment). All assessment at National 4 Chemistry is internal.

Depending on progress pupils will be presented for either the N4 award or the N5 award.

Possible Progression

If you complete National 5 Chemistry successfully, it may lead to:

- other qualifications in Chemistry or related areas (e.g. Higher Chemistry, Higher Environmental Science)
- other Science related subjects (e.g. National 5 Biology, National 5 Physics)
- further study, training or employment in Science related areas

If you complete National 4 Chemistry successfully, it may lead to:

- other qualifications in Chemistry or related areas (e.g. National 5 Chemistry, National 5 Environmental Science)
- further study, training or employment in Science related areas

Cost of Consumables

There are no consumables required for this course.

Chemistry – Higher

Course Aims

Chemistry, the study of matter and its interactions, contributes essential knowledge and understanding across all aspects of our lives. Chemistry explains the links between the particulate nature of matter and the properties of the materials we use in our world. Chemistry research and development is essential for the introduction of new products. The chemical industry is a major contributor to the economy of the country and our lifestyle.

In this course you will learn of the impact chemistry makes on developing sustainability, and its effects on the environment, on society and on the lives of themselves and others. You will develop the ability to think analytically, creatively and independently, and to make reasoned evaluations. The skills that you develop in chemistry are valuable in many careers, such as medicine, pharmaceuticals, the food industry and the manufacture of plastics.

Further information can be found at: <http://www.sqa.org.uk>

Recommended Entry Requirements

It is recommended that students have successfully passed National 5 Chemistry (grade A-C) and National 5 Mathematics (A-C grade) before beginning this course.

Course Specification

The course consists of **four** compulsory units.

Chemical Changes and Structure (3 SCQF credit points)

In this unit you will:

- gain knowledge and understanding of controlling reaction rates and periodic trends
- improve your ability to make reasoned evaluations by recognising underlying patterns and principles
- investigate collision theory and the use of catalysts in reactions
- explore the concept of electro-negativity and intra-molecular and intermolecular forces
- investigate the connection between bonding and a material's physical properties.

Researching Chemistry (3 SCQF credit points)

In this unit you will:

- learn the necessary skills to undertake research in chemistry
- research the relevance of chemical theory to everyday life by exploring the chemistry behind a topical issue
- develop the key skills associated with collecting and synthesising information from a number of different sources
- plan and undertake a practical investigation related to a topical issue, using your knowledge of common chemistry apparatus and techniques
- communicate their results and conclusions, using your scientific literacy skills.

Nature's Chemistry (6 SCQF credit points)

In this unit you will:

- learn about organic chemistry within the context of chemistry of food and the chemistry of everyday consumer products, soaps, detergents, fragrances and skincare
- explore the relationship between the structure of organic compounds, their physical and chemical properties and their uses
- cover key functional groups and types of organic reaction.

Chemistry in Society (6 SCQF credit points)

In this unit you will:

- learn about the principles of physical chemistry which allow a chemical process to be taken from the researcher's bench through to industrial production
- calculate quantities of reagents and products, percentage yield and the atom economy of processes
- develop skills to manipulate dynamic equilibria and predict enthalpy changes
- investigate the ability of substances to act as oxidising or reducing agents and their use in analytical chemistry through the context of volumetric titrations
- use analytical chemistry to determine the purity of reagents and products.

Course Assessment (6 SCQF credit points)

The course assessment has two components which will assess your breadth of knowledge, understanding and skills accumulated across the course. The question paper will be set and marked by SQA. The assignment will assess the application of skills of scientific inquiry and related chemistry knowledge and understanding.

Assessment Specification**Unit assessment**

All Units are internally assessed by your teacher throughout the course.

Course Assessment (6 SCQF credit points)

The course assessment has two components:

- a question paper consisting of two sections (100 marks)
- an assignment (20 marks).

The question paper will assess scientific enquiry skills, analytical thinking skills and the impact of applications on society and the environment. The assignment requires learners to demonstrate aspects of challenge and application – you will apply skills of scientific inquiry, to carry out a meaningful and challenging task and communicate findings.

You must pass *all four units* **and** the *course assessment* to gain the course qualification.

Possible Progression

Completion of an appropriate Group Award, to Advanced Higher Chemistry in S6 or to another Science subject at Higher level. Students may also progress to Further/Higher Education in Chemistry related areas such as environmental science and pharmacy.

Cost of Consumables

There are no consumables required for this course.

Chemistry – Advanced Higher

Course Aims

Chemistry, the study of matter and its interactions, contributes essential knowledge and understanding across all aspects of our lives. Chemistry explains the links between the particulate nature of matter and the macroscopic properties of the world. The Course provides opportunities for learners to recognise the impact chemistry makes on developing new products, sustainability, and its effects on the environment, on society and on the lives of themselves and others.

The course is designed for students who wish to continue their study of chemistry beyond Higher and who may wish to use Advanced Higher to gain access to a wider range of universities and courses, with possible exemption from some first year university courses. Chemistry is a major component of degree courses such as medicine, chemical engineering and environmental and health sciences

The Advanced Higher Chemistry Course develops learners' knowledge and understanding of the physical and natural environments beyond Higher level. The Course builds on [Higher Chemistry](#), continuing to develop the underlying theories of chemistry and the practical skills used in the chemistry laboratory. Learners develop the skills of independent study and thought that are essential in a wide range of occupations.

Recommended Entry Requirements

Students would normally have successfully completed Higher Chemistry.

Course Specification

The Advanced Higher Chemistry course is made up of three units and a project:

Inorganic and Physical Chemistry

This Unit develops a knowledge and understanding of the principles and concepts of inorganic and physical chemistry. Learners will extend their understanding of the concept of atomic structure and the periodic table, molecular structure and chemical and physical properties. They will develop their understanding of chemical reactions.

Organic Chemistry and Instrumental Analysis

This Unit develops a knowledge and understanding of organic chemistry. Learners will research the structure of organic compounds and the physical and chemical properties. They will consider the key organic reactions and link these to the synthesis of organic chemicals. Learners will discover the origin of colour in organic compounds and how elemental analysis and spectroscopic techniques are used to verify chemical structure. They will study the use of medicines in conjunction with the interactions of the drugs.

Researching Chemistry (Advanced Higher)

In this Unit, learners will be given the opportunity to gain an understanding of stoichiometric calculations, to develop practical skills and to carry out research in chemistry. Learners will develop the key skills associated with a variety of different practical techniques, including the related calculations.

Chemistry Project

Equipped with the knowledge of chemistry apparatus, techniques and an understanding of concepts, learners will identify, research, plan and safely carry out a chemistry practical project of their choice.

Assessment Specification

Candidates must pass the following assessment elements to gain a course award:

- Written assessment (UASP) at the end of each unit
- Candidate must write one experimental report based on a planned experiment (outcome 1)
- Chemistry Project (30 marks or 23% of the total external assessment)
- External examination (100 marks or 77% of the total external assessment)

Possible Progression

- To Higher Education: an HND/degree in a chemistry-based course or a chemistry related subjects such as pharmacy, science, environmental science or engineering
- a career in a chemistry-based discipline including laboratory work

More information on further education, training and employment applicable to chemistry can be found on the following website:

www.ceg.org.uk

Cost of Consumables

There are no consumables required for this course.

Physics – National 5 (National 4)

Course Aims

Physics aims to give learners an insight into the underlying nature of our world and its place in the universe. From the sources of the power we use, to the exploration of space, it covers a range of applications of the relationships that have been discovered through experiment and calculation, including those used in modern technology.

Further information can be found at: <http://www.sqa.org.uk/sqa/47430.html> (National 5)
and: <http://www.sqa.org.uk/sqa/47425.html> (National 4)

Progression into this Course

Candidates would normally be expected to have attained the skills, knowledge and understanding required by the following qualifications and/or experience: -

- S3 (Level 4 CfE) Physics
- National 4 Physics

Course Specification

From the sources of the energy we use, to the exploration of space, Physics covers a range of applications that affect our lives. Studying Physics allows you to gain an insight into the underlying nature of our world and its place in the universe. It will help you to develop your logical and critical thinking, solve problems and make decisions.

The course has three mandatory units:

Electricity and Energy

In this unit you will:

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

Waves and Radiation

In this unit you will:

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

Dynamics and Space

In this unit you will:

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

Assessment Specification

To gain the Course Award for **National 5** Physics you must pass all the Course Units and the Course Assessment (Course Units are assessed internally). The Course Assessment has two components:

1 — Question Paper	80 marks
2 — Assignment	20 marks
Total:	100 marks

Both the Question Paper and the Assignment will be set and marked by the SQA. The Course assessment is graded A–D. Your grade will depend on the total combined mark for both Course Assessment components.

To gain the Course Award for **National 4** Physics, you must pass all the Course Units, including the Added Value Unit (Assignment). All assessment at National 4 Biology is internal.

Pupils will likely follow a common course (in the same class). Depending on progress they will be presented for either the N4 award or the N5 award.

Possible Progression

If you complete National 5 Physics successfully, it may lead to:

- other qualifications in Physics or related areas (e.g. Higher Physics, Higher Engineering Science)
- other Science related subjects (e.g. National 5 Chemistry, National 5 Biology)
- further study, training or employment in Science related areas

If you complete National 4 Physics successfully, it may lead to:

- other qualifications in Physics or related areas (e.g. National 5 Physics, National 5 Engineering Science)
- further study, training or employment in Science related areas

Cost of Consumables

There are no consumables required for this course.

Physics – Higher

Course Aims

This course is designed to increase your knowledge and understanding of the concepts of Physics and its many applications in modern society. It provides the opportunity to develop skills necessary to find solutions to scientific problems, such as experimenting, investigating and analysing, and gives a deeper insight into the structure of the subject. The course makes a valuable contribution to your general education and provides a sound basis for further study. The skills you learn on this course are valuable for careers in medicine, energy, industry, material development, the environment and sustainability. Further information can be found at: <http://www.sqa.org.uk>

Recommended Entry Requirements

Students would normally have obtained one of the following awards or equivalent:

National 5 Physics at grade A-C

National 5 Mathematics at grade A-C.

Course Specification

The course consists of **four** compulsory units and the course assessment unit.

Physics: Our Dynamic Universe (6 SCQF credit points)

In this unit you will:

- develop skills of scientific inquiry, investigation and analytical thinking, along with knowledge and understanding of our dynamic universe
- apply these skills when considering the applications of our dynamic universe on our lives, as well as the implications on society/the environment
- achieve the above using a variety of approaches, including investigation and problem solving
- cover the key areas of kinematics, dynamics and space-time
- research issues, apply scientific skills and communicate information related to your findings, which will develop skills of scientific literacy.

Physics: Particles and Waves (6 SCQF credit points)

In this unit you will:

- develop skills of scientific inquiry, investigation and analytical thinking, along with knowledge and understanding of particles and waves
- apply these skills when considering the applications of particles and waves on our lives, as well as the implications on society/the environment
- achieve the above by using a variety of approaches, including investigation and problem solving
- cover the key areas of particles and waves
- research issues, apply scientific skills and communicate information related to your findings, which will develop skills of scientific literacy.

Physics: Electricity (3 SCQF credit points)

In this unit you will:

- develop skills of scientific inquiry, investigation and analytical thinking, along with knowledge and understanding of electricity
- apply these skills when considering the applications of electricity on our lives, as well as the implications on society/the environment
- achieve the above by using a variety of approaches, including investigation and problem solving
- cover the key areas of electricity, and electrical storage and transfer
- research issues, apply scientific skills and communicate information related to your findings, which will develop skills of scientific literacy.

Researching Physics (3 SCQF credit points)

In this unit you will:

- develop skills relevant to undertaking research in Physics.
- collect and synthesize information from different sources.
- plan and undertake a practical investigation, analyse results and communicate information related to your findings.
- consider any applications of the physics involved and implications for society/ the environment.
- develop knowledge and skills associated with standard laboratory apparatus and in the recording and processing of results.

Assessment Specification

Unit assessment

All Units are internally assessed and on an ongoing basis throughout the course.

Course Assessment (6 SCQF credit points)

The course assessment has two components:

- a question paper consisting of two sections (100 marks)
- an assignment (20 marks).

The question paper will assess scientific enquiry skills, analytical thinking skills and the impact of applications on society and the environment. The assignment will assess the application of skills of scientific inquiry and knowledge/ understanding. The assignment is a group activity. You will be asked to investigate one aspect of a relevant topic, share your results with your group, communicate your findings and draw valid conclusions.

Both the question paper and assignment will be set and externally marked by SQA. You must pass *all four units* **and** the *course assessment* to gain the course qualification.

Possible Progression

To Advanced Higher Physics, to Degree, HND or HNC in Physics, Science, Mathematics, Computing or Engineering field, or to employment in Physics, Science, Mathematics, Engineering, Technology or related areas.

Cost of Consumables

There are no consumables required for this course.

Physics – Advanced Higher

Course Aims

The Advanced Higher Physics Course has been designed to provide progression from the Higher. Through a deeper insight into the structure of the subject, the Course aims to provide an opportunity for reinforcing and extending knowledge and understanding of the concepts of physics and developing the candidate's skills in investigative practical work.

The study of Advanced Higher Physics should also foster an interest in current developments in and applications of physics, the willingness to make critical and evaluative comment, and the acceptance that physics is a changing subject. Positive attitudes, such as being open-minded and willing to recognise alternative points of view, are promoted.

The overall aims of the Course are to enable learners 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 analytical thinking skills, including critical evaluation of experimental procedures in a physics context.
- extend and apply problem solving skills 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.

Recommended Entry Requirements

Students would normally have successfully completed Higher Physics.

Course Specification

The Advanced Higher Physics course is made up of four units and a project:

Rotational Motion and Astrophysics

This Unit develops knowledge and understanding and skills in physics related to rotational motion and astrophysics. It provides opportunities to develop and apply concepts and principles in a wide variety of situations involving angular motion. An astronomical perspective is developed through a study of gravitation, leading to work on general relativity and stellar physics.

Quanta and Waves

This Unit develops knowledge and understanding and skills in physics related to quanta and waves. It provides opportunities to develop and apply concepts and principles in a wide variety of situations involving quantum theory and waves. The Unit 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

This Unit develops knowledge and understanding and skills in physics related to electromagnetism. It provides opportunities to develop and apply concepts and principles in a wide variety of situations involving electromagnetism. The Unit develops knowledge and understanding of electric and magnetic fields and capacitors and inductors used in D.C. and A.C. circuits.

Investigative Physics

In this Unit, learners will develop key investigative skills. The Unit offers opportunities for independent learning set within the context of experimental physics. Learners will identify, research, plan and carry out a physics investigation of their choice.

Physics Project

Equipped with the knowledge of physics apparatus, techniques and an understanding of concepts, learners will identify, research, plan and safely carry out a physics practical project of their choice.

Assessment Specification

Candidates must pass the following assessment elements to gain a course award:

- Written assessment (UASP) at the end of each unit
- Candidate must write one experimental report based on a planned experiment (outcome 1)
- Physics Project (30 marks or 23% of the total external assessment)
- External examination (100 marks or 77% of the total external assessment)

Possible Progression

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

More information on further education, training and employment applicable to physics can be found on the following website:

www.ceg.org.uk

Cost of Consumables

There are no consumables required for this course.

Environmental Science – National 3/4

Course Aims

Environmental Science is an inter-disciplinary subject, which studies natural processes and environmental resources and how they are affected by humans. As a result, environmental scientists are at the forefront in tackling issues such as global climate change, pollution, use of land and water resources, and changes in wildlife habitats. Environmental Science takes a problem solving approach to attempt to develop solutions that prevent or reverse environmental deterioration and result in sustainability.

What skills will be developed?

- knowledge and understanding of environmental science
- understanding environmental science's role in scientific issues and in society
- the ability to apply environmental science knowledge to familiar situations
- practical fieldwork skills
- scientific awareness of environmental issues and the validity of source material
- using scientific technology, equipment and materials safely
- the ability to research and communicate findings
- scientific literacy and scientific analytical skills
- scientific inquiry and investigative skills to illustrate effects
- creative thinking, analysing and problem-solving
- information-handling skills to select, present and process information

Progression into this Course

Candidates would normally be expected to have attained the skills, knowledge and understanding required by the following qualifications and/or experience: -

- S3 Physics or Chemistry or Biology or Science

Course Specification

The Course aims for learners to:

- ♦ develop scientific & analytical thinking skills in Environmental Science
- ♦ develop understanding of environmental issues
- ♦ acquire and apply knowledge and understanding of environmental concepts
- ♦ develop understanding of relevant applications of Environmental Science in society

The Course has four Units totalling 24 SCQF credit points. The Units are:

Living Environment - Learners will develop skills and carry out practical and other learning activities related to ecosystems, interrelationships, and biodiversity.

Earth's Resources - Learners will investigate the source, formation, extraction and use of resources, while considering physical, biological, renewable & non-renewable resources.

Sustainability - Learners will develop skills and carry out practical and other learning activities related to natural resources and the impact of human activities on them. This will focus on the main themes of food, water, energy, and waste management.

<p>Added Value Unit- In this Unit, learners will draw on and extend the skills they have learned from across the other Units and demonstrate the breadth of knowledge and skills acquired, in unfamiliar contexts and/or integrated ways.</p>	
<p>Assessment Specification</p> <p>To gain the Course Award for National 3 Environmental Science, you must pass all the Course Units.</p> <p>Course Unit Assessment consists of three tasks:</p> <ul style="list-style-type: none"> • a scientific report of an experiment or practical investigation • a short scientific report of a research investigation • a set of questions <p>All assessment at National 3 Science is internal. Assessment evidence will be gathered as appropriate as pupil's progress through the course.</p> <p>To gain the course award at National 4, learners must pass all the course Units.</p> <p>The Added Value Unit (Assignment) will require learners to investigate a topical issue in approx. 8 hours of class time and present it in no more than two hours. This is usually in the form of a personation poster or a short report.</p> <p>All assessment at National 4 Environmental Science is internal.</p> <p>Assessment evidence will be gathered as appropriate as pupil's progress through the course</p>	<p>Faculty of Science</p>
<p>Possible Progression</p> <p>This Course or its Units may provide progression to:</p> <ul style="list-style-type: none"> • National 4 or 5 Environmental Science (if enough pupil number) • other qualifications in Science or related areas (e.g. National 4 biology, Chemistry or Physics). • further study, employment and/or training. 	
<p>Cost of Consumables</p>	
<p>There are no consumables required for this course.</p>	

Engineering Science – National 4/5

Course Aims

Engineering is vital to everyday life; it shapes the world in which we live and its future. Engineers play key roles in meeting the needs of society in fields which include climate change, medicine, IT and transport. Our society needs more engineers, and more young people with an informed view of engineering. The Course provides a broad introduction to engineering. Because of its focus on developing transferable skills, it will be of value to many learners, and particularly beneficial to learners considering a career in engineering, or one of its many branches.

The aims of the Course are to enable learners to:

- Apply knowledge and understanding of basic engineering facts and ideas
- Understand the relationships between engineering, mathematics and science
- Apply skills in analysis, design, construction and evaluation to a range of straightforward engineering problems
- Communicate engineering concepts clearly and concisely using appropriate terminology
- Develop an understanding of the role and impact of engineering in changing and influencing our environment and society

Course Specification

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

Engineering Contexts and Challenges

This Unit provides a broad context for the Course. It introduces engineering concepts by exploring a range of engineered objects, and straightforward engineering problems and solutions. This Unit also allows the learner to explore some existing and emerging technologies and challenges, and to consider implications relating to the environment, sustainable development, and, economic and social issues.

Electronics and Control

This Unit explores a range of key concepts and devices used in analogue and digital electronic control systems. Skills in problem solving are developed through simulation, practical projects and investigative tasks in a range of contexts.

Mechanisms and Structures

This Unit develops a basic understanding of simple mechanisms and structures. Skills in problem solving are developed through simulation, practical projects and investigative tasks in a range of contexts.

Added Value Unit:

National 4 - Engineering Science Assignment

These will be assessed through an assignment which involves application of skills and knowledge from the other Units to solve an appropriately challenging engineering problem.

National 5 – Course Assessment

The learner will apply the skills and knowledge they have developed during the Course. This will be assessed through a combination of an assignment and an exam question paper.

Assessment Specification

All Units are internally assessed on a pass/fail basis

The assessment of the Units in this Course will be as follows.

Engineering Contexts and Challenges

For this Unit, learners will be required to provide evidence of:

- technological skills in a range of contexts and challenges
- understanding of the impact of engineering on society and the environment

Electronics and Control

For this Unit, learners will be required to provide evidence of:

- skills in developing analogue electronic control systems
- skills in developing digital electronic control systems

Mechanisms and Structures

For this Unit, learners will be required to provide evidence of:

- understanding of mechanisms and structures
- skills in developing mechanical and structural solutions

Possible Progression

This Course or its Units may provide progression to:

- other SQA qualifications in Engineering Science or related areas
- employment in Engineering, Technology or related areas.

Cost of Consumables

There are no course consumables in this course.

<h1>Engineering Science – Higher</h1>	
<h2>Course Aims</h2>	
<p>Engineering is vital to everyday life; it shapes the world in which we live and its future. Engineers play key roles in meeting the needs of society in fields which include climate change, medicine, IT and transport. Our society needs more engineers, and more young people with an informed view of engineering.</p> <p>In this course you will develop and extend knowledge and understanding of key engineering concepts and processes, and learn to apply these to a variety of problems. On completing the course you will learn skills in: analysis and problem solving, engineering design, the use of equipment and materials, and evaluation.</p> <p>The skills you learn from this course are valuable for a wide range of career areas and industries. This includes Engineering, Electronics, Oil, Renewable Energy Production, Science, Mechanics, Construction and the Built Environment.</p>	
<h2>Recommended Entry Requirements</h2>	
<p>Students would normally be expected to have attained a National 5 or an Intermediate 2 in Engineering Science or Physics. It is also recommended that pupils have National 5 or an Intermediate 2 in Mathematics.</p> <p>Exceptions to this requirement will be at the discretion of the Principal Teacher.</p>	
<h2>Course Specification</h2>	
<p>The course has three mandatory Units and a course assessment.</p> <p>Engineering Contexts and Challenges This Unit provides a broad context for the Course. It contributes to developing a deep understanding of engineering concepts by exploring a range of engineering problems with some complex features, and their solutions. This Unit allows the learner to explore some existing and emerging technologies and challenges, and to consider implications relating to the environment, sustainable development, and economic and social issues.</p> <p>Electronics and Control This Unit explores an appropriate range of key concepts and devices used in electronic control systems, including analogue, digital and programmable systems. Skills in problem solving and evaluating are developed through simulation, practical projects and investigative tasks in a range of contexts.</p> <p>Mechanisms and Structures This Unit develops a deepening understanding of mechanisms and structures. Skills in problem solving and evaluating are developed through simulation, practical projects and investigative tasks in a range of contexts.</p> <p>Course Assessment The learner will apply the skills and knowledge they have developed during the Course. This will be assessed through a combination of an assignment and an exam question paper.</p>	

Assessment Specification

All Units are internally assessed on a pass/fail basis

The assessment of the Units in this Course will be as follows.

Engineering Contexts and Challenges

For this Unit, learners will be required to provide evidence of:

- technological skills in a range of contexts and challenges
- knowledge of engineering contexts and challenges
- the impact of engineering on society and the environment

Electronics and Control

For this Unit, learners will be required to provide evidence of:

- skills in developing analogue electronic control systems
- skills in developing digital electronic control systems

Mechanisms and Structures

For this Unit, learners will be required to provide evidence of:

- knowledge of simple mechanisms and structures
- skills in developing mechanical and structural solutions

Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.

Possible Progression

This Course or its Units may provide progression to:

- other SQA qualifications in Engineering Science or related areas
- Degree, HND or HNC qualifications
- further study, employment and/or training

Cost of Consumables

There are no course consumables in this course

Engineering Science – Advanced Higher

Course Aims

Engineering is vital to everyday life; it shapes the world in which we live and its future. Engineers play key roles in meeting the needs of society in fields which include climate change, medicine, IT and transport.

This course enables learners to develop and extend a range of engineering skills, including skills in analysis and problem solving, application of mathematical processes, creative design skills, and skills in evaluating products and systems.

The Course also enables learners to develop and extend knowledge and understanding of advanced engineering concepts and processes, and the ability to apply these to a variety of problems; and an awareness of the impact of engineering on society and the environment. These skills, knowledge and awareness are developed through a range of contexts within the broad discipline of engineering, including (but not limited to) mechanical, structural, electronic and control systems.

The skills you learn from this course are valuable for a wide range of career areas and industries. This includes Engineering, Electronics, Oil, Renewable Energy Production, Science, Mechanics, Construction and the Built Environment.

Recommended Entry Requirements

Students would normally be expected to have attained an A or B in Engineering Science or Physics. It is also recommended that pupils have Higher A or B in Mathematics.

Course Specification

The course has three mandatory Units and a course assessment.

Electronics and Control

This Unit explores a range of key concepts and devices related to electronic control systems. Mathematical techniques, and skills in problem solving and evaluating, are developed through simulation and practical projects. Learners will choose and investigate an aspect of engineering related to electronic, electrical or control engineering, and apply this in practical situations.

Mechanisms and Structures

This Unit develops a deepening mathematical understanding of mechanisms and structures. Skills in problem solving and evaluating are developed through simulation, practical projects and investigative tasks in a range of contexts. Learners will choose and investigate an aspect of engineering related to mechanical or civil engineering, and apply this in practical situations.

Engineering Project Management

In this Unit, learners will develop knowledge and skills of project management as it applies to an engineering project. Learners will investigate an industrial engineering project, and consider its environmental, social and ethical impact. Learners will develop a project brief, carry out research in relation to the brief, and develop a design to meet the brief. The design may be carried forward, implemented and evaluated as part of the Course assessment.

Course Assessment

The learner will apply the skills and knowledge they have developed during the Course. This will be assessed through a combination of an assignment and an exam question paper.

Assessment Specification

All Units are internally assessed on a pass/fail basis

The assessment of the Units in this Course will be as follows.

Electronics and Control

For this Unit, learners will be required to provide evidence of:

- engineering and mathematical skills in the context of electronics and control systems
- knowledge and understanding of electronics and control systems
- ability to research and investigate an aspect of engineering related to electronic, electrical or control engineering

Mechanisms and Structures

For this Unit, learners will be required to provide evidence of:

- engineering and mathematical skills in the context of mechanisms and structures
- knowledge and understanding of mechanisms and structures
- ability to research and investigate an aspect of engineering related to mechanical or civil engineering

Engineering Project Management

For this Unit, learners will be required to provide evidence of:

- ability to research and investigate an industrial engineering project
- ability to develop a project brief, carry out relevant research and develop a design to meet the brief

Possible Progression

This Course or its Units may provide progression to:

- Degree, HND or HNC qualifications
- employment in Engineering, Technology or related areas.
- careers in engineering

Cost of Consumables

There are no course consumables in this course.

Graphic Communication – National 4/5

Course 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
- Develop an understanding of the impact of graphic communication technologies on our environment and society
- Extend and apply knowledge and understanding of graphic communication standards, protocols and conventions, where these apply

Course Specification

On completing the Course, learners will have developed skills in 2D and 3D graphics, as well as pictorial graphics. They will be able to apply these skills in order to produce graphics that require relevant visual impact and graphics that transmit information.

The Course consists of three mandatory Units including the Added Value Unit.

2D Graphic Communication

This Unit helps learners develop their creativity and skills within a 2D graphic communication context. It will allow learners to initiate, develop and communicate ideas using graphic techniques in straightforward and familiar contexts. Learners develop 2D graphic spatial awareness.

3D and Pictorial Graphic Communication

This Unit helps learners develop their creativity and skills within a 3D and pictorial graphic communication context. Again, it will allow learners to initiate, develop and communicate ideas using graphic techniques in straightforward and familiar contexts. They will develop 3D graphic spatial awareness.

Added Value Unit:

National 4 - Graphic Communication Assignment

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. The assignment brief will be sufficiently open and flexible to allow for personalisation and choice.

Assessment Specification
<p>All Units are internally assessed on a pass/fail basis</p> <p>The assessment of the Units in this Course will be as follows.</p> <p>2D Graphic Communication In this Unit, evidence will be required that the learner can plan and produce a series of 2D graphics, to a given standard, in familiar and some new contexts with some complex features. The learner will take initiative in evaluating their work in progress and on completion, and apply suggestions for improvement. Knowledge and understanding will also be assessed.</p> <p>3D and Pictorial Graphic Communication In this Unit, evidence will be required that the learner can plan and produce a series of 3D and pictorial graphics, to a given standard, in familiar and some new contexts with some complex features. The learner will take initiative in evaluating their work in progress and on completion, and apply</p>
Possible Progression
<p>This Course or its Units may provide progression to:</p> <ul style="list-style-type: none"> • entry to University or College courses • a degree in areas such as engineering, architecture or graphic design • employment in a wide range of occupations such as engineering and construction.
Cost of Consumables
<p>There are no course consumables in this course</p>

Graphic Communication – Higher
Course Aims
<p>Communication in all its forms is vital to society and the means of passing on information graphically is an important and relevant skill. Communication through graphics, in whatever medium, permeates all spheres of life including education, industry and commerce. In increasingly global markets, graphic communication is a chosen medium in aspects of life, from consumer to education, industry and commerce. The development of skills in the production, interpretation and analysis of graphics in a range of contexts is of broad educational value.</p> <p>The purpose of the course is to make students aware of the use of graphics and to give practice in the techniques employed in their creation. The structure of the course reflects the use of graphics in business and industry both in content and methodology while embracing the changes brought about by the continuing advances in technology.</p>
Recommended Entry Requirements
<p>While the entry is at the discretion of the principal teacher, the student would normally be expected to have attained a National 5 award in Graphic Communication.</p>
Course Specification
<p>The course has two mandatory Units and a course assessment.</p> <p>2D Graphic Communication This Unit helps learners to develop their creativity and presentation skills within a 2D graphic communication context. It will allow learners to initiate, plan, develop and communicate ideas graphically, using two-dimensional graphic techniques. Learners will develop a number of skills and attributes within a 2D graphic communication context, including spatial awareness, visual literacy, and the ability to interpret given drawings, diagrams and other graphics. Learners will evaluate the effectiveness of their own and given graphic communications to meet their purpose.</p> <p>3D and Pictorial Graphic Communication This Unit helps learners to develop their creativity and presentation skills within a 3D and pictorial graphic communication context. It will allow learners to initiate, plan, develop and communicate ideas graphically, using three-dimensional graphic techniques. Learners will develop a number of skills and attributes within a 3D graphic communication context, including spatial awareness, visual literacy, and the ability to interpret given drawings, diagrams and other graphics. Learners will evaluate the effectiveness of their own and given graphic communications to meet their purpose.</p> <p>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.</p> <p>Course Assessment The learner will draw on, extend and apply the skills, knowledge and understanding they have developed during the Course. These will be assessed through a combination of an assignment and an exam question paper.</p>

Assessment Specification

All Units are internally assessed on a pass/fail basis

The assessment of the Units in this Course will be as follows.

2D Graphic Communication

In this Unit, evidence will be required that the learner can plan and produce a series of 2D graphics, to a given standard, in familiar and some new contexts with some complex features. The learner will take initiative in evaluating their work in progress and on completion, and apply suggestions for improvement. Knowledge and understanding will also be assessed.

3D and Pictorial Graphic Communication

In this Unit, evidence will be required that the learner can plan and produce a series of 3D and pictorial graphics, to a given standard, in familiar and some new contexts with some complex features. The learner will take initiative in evaluating their work in progress and on completion, and apply

Possible Progression

This Course or its Units may provide progression to:

- entry to University or College courses
- a degree in areas such as engineering, architecture or graphic design
- employment in a wide range of occupations such as engineering and construction.

Cost of Consumables

There are no course consumables in this course

Graphic Communication – Advanced Higher

Course Aims

Communication in all its forms is vital to society and the means of passing on information graphically is an important and relevant skill. Communication through graphics, in whatever medium, permeates all spheres of life including education, industry and commerce. In increasingly global markets, graphic communication is a chosen medium in aspects of life, from consumer to education, industry and commerce. The development of skills in the production, interpretation and analysis of graphics in a range of contexts is of broad educational value.

The Course enables learners to develop and extend a range of graphic and generic communication skills, skills in enquiry, analysis and problem solving, graphic design skills, skills in the use of graphic equipment, materials and software, and skills in evaluating. As well as developing new knowledge, it is about creatively applying that knowledge in context. It also enables learners to develop and extend knowledge and understanding of key graphic communication concepts and processes, the ability to apply these to a variety of problems, and an awareness of the impact of graphic communication on society and the environment. The learners skills are developed in the contexts of graphic communication as it applies to business, industry, and the built environment and informational and media applications.

Recommended Entry Requirements

Students are normally be expected to have attained a Higher in Graphic Communication.

Course Specification

The course has two mandatory Units and a course assessment.

Technical Graphics – providing opportunities for learners to develop and creatively apply graphic communication knowledge, skills and understanding which support designing and communication activities in the context of technical activities. Learners will experience graphic communication in technical detail through exploring the purposes, applications and audience requirements. It is expected that learners will be using a range of knowledge and skills through manual and/or electronic-based communication activities. Learners will have opportunities to explore the use of detailed 2D and 3D graphics in modelling, graphic visualisation and technical/mechanical animation in relation to technical activities.

Commercial and Visual Media Graphics

This Unit will provide opportunities for learners to develop skills and explore techniques in creating a range of effective commercial and visual media graphic communication activities and their application in the fields of publishing and promotion. This Unit will attract learners with an interest in the broad commercial and visual media use of graphics which might include presentation work, magazines, newspapers, informational manuals, static promotional work, website page layout, graphic design, advertising and point of sale, digital media, games, animation, expressive arts, electronic based learning and advertising. Graphic design work will be iterative, with an expectation of review, evaluation, amendment and presentation, and with a deep understanding of the needs of the intended audience.

Course Assessment

The learner will draw on, extend and apply the skills, knowledge and understanding they have developed during the Course. These will be assessed through a combination of an assignment and an exam question paper.

Assessment Specification

All Units are internally assessed on a pass/fail basis

The assessment of the Units in this Course will be as follows.

Technical Graphics

For this Unit, learners will be required to provide evidence of:

- knowledge and understanding of the principles, processes, techniques, technologies, and audience requirements as they apply to technical graphics.
- skills in the evaluation of the use of technical graphics techniques used in satisfying audience requirements
- skills in the planning and production of technical graphics for intended audiences

Commercial and Visual Media Graphics

For this Unit, learners will be required to provide evidence of:

- knowledge and understanding of the design principles, techniques, purpose and audience requirements as they apply to commercial and visual media graphics
- skills in the evaluation of the use of commercial and visual media graphic techniques used in satisfying audience requirements
- skills in the planning and production of commercial and visual media graphics for intended audiences

Possible Progression

This Course or its Units may provide progression to:

- entry to University or College courses.
- a degree in areas such as engineering, architecture or graphic design.
- employment in a wide range of occupations such as engineering and construction.

Cost of Consumables

There are no course consumables in this course

Practical Metalworking – National 4/5

Course Aims

The Course provides opportunities for learners to gain a range of practical metalworking 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 metal.

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

- Skills in metalworking techniques
- Skills in measuring and marking out metal sections and sheet materials
- Safe working practices in workshop environments
- Practical creativity and problem-solving skills
- Knowledge of sustainability issues in a practical metalworking context

Course Specification

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

Practical Metalworking: Bench Skills

This Unit helps learners develop a range of metalworking hand tool skills including simple bench-fitting work, basic sheet-metal work and simple measuring and marking out work. The ability to read and interpret simple drawings and diagrams is developed in this Unit.

Practical Metalworking: Machine Processes

This Unit helps learners build measuring and marking out skills and to develop skills in using common metalwork machines, equipment and related processes. Learners will work with an appropriate range of metals.

Practical Metalworking: Fabrication and Thermal Joining

This Unit helps learners develop skills in fabrication, forming and joining of simple metalwork components. Learners will develop skills in thermal joining techniques. They will also build skills in measuring and marking out.

In each of the Units above, learners will develop an appreciation of safe working practices in a workshop environment. They will also gain an understanding of sustainability issues in a practical metalworking context.

The structure of the Course allows learners to cover fundamental metalworking skills in a progressive fashion. Each Unit covers a set of new metalworking skills. All of the Units include skills in measuring, marking out, cutting and joining techniques.

Added Value Unit:

National 4 - Making a Finished Product from Metal

This Unit requires learners to draw on and extend their range of practical metalworking experiences and skills in order to produce an effective overall response to the task. The practical activity will be sufficiently open and flexible to allow for personalisation and choice.

National 5 – Course assessment

This will be assessed through a practical activity which involves producing a finished product in metal to a given standard. The task will be sufficiently open and flexible to allow for personalisation and choice and for the learners to demonstrate practical creativity.

Assessment Specification

The assessment of the Units in this Course will be as follows.

Practical Metalworking: Bench Skills

For this Unit, evidence will be required that the learner can produce practical metalworking bench-fitting work to a given standard. Evidence of knowledge will also be required.

Practical Metalworking: Machine Processes

For this Unit, evidence will be required that the learner can follow practical metalworking machine processes to a given standard. Evidence of knowledge will also be required.

Practical Metalworking: Fabrication and Thermal Joining

For this Unit, evidence will be required that the learner can complete a range of metalwork fabrication and joining tasks to a given standard. Evidence of knowledge will also be required.

Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.

Possible Progression

This Course or its Units may provide progression to:

- other SQA qualifications in Practical Metalwork or related areas
- further study, employment and/or training

Cost of Consumables

£15 for materials to manufacture practical projects.

Practical Woodworking – National 4/5

Course Aims

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 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

Course Specification

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

Practical Woodworking: Flat-frame Construction

This Unit helps learners develop skills in the use of woodworking tools and in making woodworking joints and assemblies commonly used in flat-frame joinery. Tasks will involve some complex features. Learners will also be able to read and use drawings and diagrams depicting both familiar and unfamiliar woodwork tasks.

Practical Woodworking: Carcase Construction

This Unit helps learners develop skills in making woodworking joints and assemblies commonly used in carcase construction tasks will involve some complex features and may include working with manufactured board or with frames and panels. The Unit includes the use of working drawings or diagrams.

Practical Woodworking: Machining and Finishing

This Unit helps learners develop skills in using common machine and power tools. It also helps learners develop skills in a variety of simple woodworking surface preparations and finishing techniques.

In each of the three Units above, learners will develop an appreciation of safe working practices in a workshop environment. They will also gain knowledge and understanding of sustainability issues and good practice in recycling in a practical woodworking context.

The structure of the Course allows learners to cover fundamental woodworking skills in a progressive fashion. Each Unit covers a set of new woodworking skills. All of the Units include skills in measuring, marking out, cutting and jointing techniques.

Added Value Unit:

National 4 - Making a Finished Product from Wood

This Unit requires learners to draw on and extend their range of practical woodworking experiences and skills in order to produce an effective overall response to the task. The practical activity will be sufficiently open and flexible to allow for personalisation and choice.

<p>National 5 – Course assessment</p> <p>The learner will draw on, extend and apply the skills and knowledge they have developed during the Course. This will be assessed through a practical activity which involves producing a finished product in wood to a given standard. The task will be sufficiently open and flexible to allow for personalisation and choice and for the learners to demonstrate practical creativity.</p>
<p>Assessment Specification</p>
<p>The assessment of the Units in this Course will be as follows.</p> <p>Practical Woodworking: Flat-frame Construction In this Unit, evidence will be required that the learner can produce basic flat-frame joints and assemblies to a given standard. Evidence of knowledge will also be required.</p> <p>Practical Woodworking: Carcase Construction In this Unit, evidence will be required that the learner can produce basic carcase constructions to a given standard. Evidence of knowledge will also be required.</p> <p>Practical Woodworking: Machining and Finishing In this Unit, evidence will be required that the learner can carry out simple machining</p> <p>Pupils will follow a common course in the same class during S4. Depending on progress they will be presented for either the National 4 award or the National 5 award.</p>
<p>Possible Progression</p>
<p>This Course or its Units may provide progression to:</p> <ul style="list-style-type: none"> • other SQA qualifications in Practical Woodwork or related areas • further study, employment and/or training
<p>Cost of Consumables</p>
<p>£15 for materials to manufacture practical projects.</p>