

Belmont Academy
Senior
Learning Choices Information



Dear Student,

The purpose of this booklet is to provide you with information on the courses which will be offered to students in the Senior Phase of the curriculum.

Clearly any decisions you take for next session will be influenced by:

- Career aspirations - what you would hope to do on leaving school.
- Performance in your Broad General Education Courses for the current S3.
- Performance in National Qualification Courses for current S4 and S5 students - the results sent out in early August will clarify this.

In completing the option form it would be helpful if you would bear in mind:

- Classes will not be filled on a "first come first served" basis and there is no automatic right of entry to a class.
- Places on courses will clearly be influenced by prior learning in any given subject, exam results and potential destination.
- Places on courses may be restricted if there is no attendance in June but subsequent return in August.
- For almost all National 6 (Higher) courses it is expected that to sit the exam in one year students should have gained an A or B in National 5 or an equivalent qualification.
- A National 5 'C' pass would indicate that a Higher course would be better taken over two years.
- A National 4 award would ideally enable progression to National 5 in the same subject or a National 4/5 in an alternative subject.
- Entry into Advanced Higher Courses is generally based on candidates securing an A or B in the Higher.

Included with this booklet is a copy of the Fourth, Fifth and Sixth Year Option Form - use this to decide on the courses you ideally would like to follow in the 2017-2018 academic session. There may have to be some negotiation in the light of results but this will be done before the school starts back in August 2017.

The options choice interviews will be conducted by the Guidance Team between February and March. It is vital that once you have discussed your options with your parent/guardian and your Guidance teacher that you return your completed course choice form back to your Guidance teacher. In doing so you should have signatures from subject PT's to confirm your level of study in each subject and a signature from your parent/guardian. Further information on the option choice process can be found in the flow chart on the following page.

The dates for the return of the completed course choice forms are as follows:

Current S3 - Monday 6th March

Current S4 & S5 - Friday 17th March

C Flanagan
Depute Head Teacher



Option Process for S4/S5 Students

Pupils are advised that they should be continuing with subjects already studied in S3 to maximise chances of success.

In February Option Choice Booklets are issued to all S4/5 students during PSE classes. Pupils should read the booklet thoroughly to ensure they are aware of the content and structure of the course they are opting into.

The option process will be discussed with pupils at PSE. Pupils will be encouraged to explore future career aspirations using school/internet based resources (see links below).

At the end of February S4 and S5 report cards are issued to parents reflecting current progress and Preliminary Examination results.

In March pupils will be invited to attend individual pupil interviews with their Guidance Teacher. At these meetings future pathways are discussed and informed advice is given to pupils. At these meetings a course choice form will be agreed with the PTG in light of previous learning and current progress.

Pupils are then asked to have the course levels agreed with the Principal Teacher of their chosen subjects.

Pupil needs to make a further appointment with their Guidance Teacher to re-opt course choice or to inform change of course level.

Principal Teacher agrees with course choice level(s)?

NO

YES

Option form goes home for parental signature and agreement.

Pupils return form to Guidance and the options are populated on our electronic planning system.

New timetables are issued to pupils at the change of timetable in June. Subject choice may change after pupils receive their results during the summer break. Arrangements will be made to discuss changes with a DHT prior to returning to school in August where possible.

Resources to support option choice process:

- Principal Teacher (Guidance)/Principal Teacher Subject/ Class Teachers
- Careers Adviser- Gordon Murdoch (Skills Development Scotland)
- www.myworldofwork.co.uk
- www.planitplus.net

INTRODUCTION

This session's Senior Option Booklet is modelled on last session. Through consultation with students over the past few years, the overwhelming opinion was that they did not need the level of detail previously provided and that they obtain their information directly from school teaching staff.

The booklet now provides the basic course structure information and the recommended entry requirements for each of the courses at the different levels. In addition the booklet provides learners with information on future progression pathways within the subject and across the school as well as key skills which will be developed should you choose to study a particular course. Additional information is available directly from Principal Teachers, class teachers, Guidance staff and members of the Senior Leadership Team.

Individual departments have also provided, where appropriate, websites which can give further information. The following websites also provide excellent general information on all qualifications;

<http://www.planitplus.net/schoolzone/>
www.sqa.org.uk

NATIONAL QUALIFICATIONS

For pupils entering the Senior Phase of the curriculum during session 2017-2018 the options available are mainly National Qualifications developed through the Curriculum for Excellence. These qualifications are available at 4 levels; National 4, National 5, National 6 (Higher) and National 7 (Advanced Higher).

Most of the courses are based around 3 blocks of 40 hours teaching with 40 more hours available for testing and remediation work. At the end of each block of time there is an "End of Unit" test often referred to as a NAB or UASP which takes place in class and is marked internally. These tests mean that learning should be a constant process with the knowledge and skills taught being continually built on and revised.

This booklet gives specific details of the entrance requirements for each course at each level. In addition Principal Teachers will be able to give further guidance to individual students. As a rough guide, however, the requirements are:

LEVEL	REQUIREMENT
Advanced Higher	A or B at Higher
Higher	A or B at National 5
National 5	A pass at National 4 or progress from 4 th level in BGE.
National 4	A pass at National 3 or progress from 4 th level in BGE.

Other courses available will have specific entry requirements and these are written in the appropriate section.

THESE REQUIREMENTS ARE GUIDES ONLY AND INDIVIDUAL COURSE REQUIREMENTS CAN VARY. PLEASE READ THE BOOKLET CAREFULLY.

PLEASE NOTE

A large number of courses are offered in the Option Sheet and we anticipate a good uptake in them all. It is stressed, however, that COURSES MAY NOT RUN UNLESS A VIABLE NUMBER OF STUDENTS CHOOSE THAT OPTION.

SENIOR OPTION FORM - STRUCTURE

The option form is organised in six columns - columns A to F provide the main courses on offer with the final one being Core Subjects for S4 and S5 and a little more scope for S6. The S6 choices in the Core subjects' column provide interest courses and additional opportunities for involvement in the wider life of the school.

In fourth and fifth year, students must select six courses from the course choice sheet as well as the Core subjects. In S4, in addition to their six certificated subject choices, pupils will also have two periods of core Physical Education and a period of PSE. In S5, in addition to their six certificated subject choices, learners will also have one period of core Physical Education, one period of core Religious and Moral Education (RMPS) and a period of PSE.

In sixth year, students would be expected to choose five courses and to have one column dedicated as Private Study. The only exception to this will be for pupils who are studying three Advanced Highers or two Advanced Highers and two Highers. Pupils who are studying three Advanced Highers would also be expected to choose an additional subject at either N5/Higher or a YASS course through the Open University. This would then provide pupils in these situations with two study columns. In these circumstances pupils would be expected to contribute to the wider life of the school through pupil mentoring or to their own personal development through a work experience placement.

In addition to one period of PSE and RMPS within the Core subjects' area, there are opportunities to undertake activities as part of the Enhanced Curriculum in S6. As well as options choices in physical activity and sport, there will also be other opportunities in activities such as survival cookery, life coaching, self-defence and First Aid.

In each of the study columns pupils will have the opportunity to consolidate their learning in designated study classes or participate in one or more of the initiatives below which will help to develop key skills as they prepare to move on to a positive destination at the end of the academic session. The activities available for sixth year learners include:-

1. Community Involvement Module
2. Year Book and Publishing
3. Young Enterprise
4. Communications and Media
5. Primary School Work Experience
6. Self-found Work Experience
7. Pupil Mentoring

(See following page for a brief description of each initiative)

COMMUNITY INVOLVEMENT MODULE

This course involves 6th year pupils working as peer tutors with younger pupils who have learning difficulties and/or special needs. Most of the work would be carried out in S1/2 classes across the curriculum in Belmont, but it is also possible to arrange placements at local special schools and primary schools. The requirements of the course involve students working for two hours per week in classes, and keeping a log book record of each session. Training would be given at the beginning of the year, and there would be ongoing monthly tutorial sessions to discuss progress and talk through problems. The course lasts from August until the Easter holidays and attendance is compulsory each week.

Final assessment would be in the form of an interview with the course tutor, based on the log book records and supervising teachers' reports.

YEARBOOK and PUBLISHING

In this module we plan to have a group of students who would work on all the aspects of the production of the annual school Year Book for Sixth Year. The group would work closely with Mr McLean in the generation of the Year Book.

Information gathering, writing, word processing and desk top publishing will all be activities featured in the course.

The module would appeal to anyone in Sixth Year interested in what is described above - students who want to work as part of a team and see the results of their efforts in a tangible form.

YOUNG ENTERPRISE PROGRAMME

The Young Enterprise Programme gives S6 pupils the opportunity to set up and run their own business. The students, supported by their link teacher and business adviser, create a product and or service to trade in the open market. The company's aim will be to sell their product/service at a profit. The company will be judged on their performance and compete against schools across Ayrshire to represent the region in the National Finals.

This programme is ideal for any S6 student who would like a realistic, fun and practical insight into business. The development of skills and attitudes whilst working as part of a team will be of benefit to all students who are applying for entry to university.

For more information visit the web site www.young-enterprise.org.uk

COMMUNICATIONS and MEDIA

This group will be responsible for all communications both inside and outside the school. Experiences will include: maintaining and updating the school website, TV screens and notice boards, producing articles for publication in the local press and the Belmont Banner and developing new and exciting ways to improve overall school communication with pupils, parents and the local community.

PRIMARY SCHOOL WORK EXPERIENCE

The majority of our partner primary schools have agreed to accept S6 pupils for work experience at all stages from nursery to P7. A tremendous opportunity for those who aspire to work as primary or nursery teachers.

SELF-FOUND WORK EXPERIENCE

If you have any contacts of your own within the local area but it is essential that you discuss your proposals with Mr McLean to ensure all legal procedures and insurance arrangements are in place.

PUPIL MENTORING

Many S6 pupils become involved in mentoring individual pupils or work with classes within subject departments within the school or our partner primary schools.

CAREERS EDUCATION

During S4 to S6 the importance of career education should not be underestimated by students. By making the most of what is on offer you will ensure that career decisions made in these last two years of school will be well informed and therefore likely to lead to a successful outcome for you whether you go directly into employment, a Modern Apprenticeship, Further or Higher Education.

During fifth and sixth year you will be given the opportunity of an interview with our School Careers Adviser, Mr Murdoch. You can request an interview, at any time, by filling in a self-referral form which is available in the school library. The request or any other query can be put in the self-referral box. Students will be informed of the interview arrangements by letter to their home address and this will normally take place on a Thursday in the school Careers Base. Mr Murdoch is available in school on Wednesdays and Thursdays.

The contact details for Mr Murdoch are:
Careers Scotland Centre
37 Carrick Street,
Ayr
KA7 1NS
Telephone 01292 281 421
E-mail gordon.murdoch@sds.co.uk



CAREERS

At this time of year pupils are asked what subjects they wish to take in the senior phase at school. Certain subjects such as English and Mathematics are mandatory for all pupils, however, they still have to decide on what other subjects they would like to take. Subject choice can have an impact on what they study at college or university and on what careers are open to them in the future.

To help your son/daughter in this subject choice there are a number of options available;

The My World of Work website at www.myworldofwork.co.uk has sections on subject choice plus on the Parents Zone area an article entitled Subject Choices With Your Child to help assist in the process.

If your son/daughter wishes an appointment to speak with me regarding subject choice then arrangements can be made via their Guidance Teacher.

AYRSHIRE COLLEGE COURSES

As part of a partnership agreement between South Ayrshire Council and Ayrshire College, a selection of College courses is available to S4/5/6 students. The courses on offer will count towards one of your option choices. The courses will run in 2 blocks on two afternoons each week- Either Monday/Wednesday or Tuesday/Thursday. The timetables of all schools in South Ayrshire and Ayrshire College have been harmonised to avoid clashes with other subjects delivered in schools.

The courses are delivered at the Ayrshire College Campus and the students would be expected to make their own way to and from college. The menu of courses is shown on the College form at the back of this booklet and the number beside it is the SCQF level. They are the same standard as the National 4 and 5 exams while a SCQF level 6 is the same degree of difficulty as a Higher. Further information on these courses can be found on the college's website.

Entry requirements for each course will be detailed on specific course outlines and these will be available from your Guidance teacher. These courses will only run if the minimum number of pupils which is indicated on the college course page in the final column is met. For further information and the availability of other courses, students should see their Guidance teacher or Mr Flanagan.

OPEN UNIVERSITY YOUNG APPLICANTS IN SCHOOL SCHEME (YASS)

To extend the options available to our students, a variety of courses are available from the Open University. These courses are for S6 students only. These courses count as one of your option choices. They provide students with a different approach to studying and can enhance their qualification portfolio. These courses are useful as specialist topics to support university applications and to provide special interest courses.

Students can get more information of the choices available from Mr Anderson or directly from the Open University website on;

<http://www.open.ac.uk/scotland/study/young-applicants-schools>

Some of the more popular courses available are;

- Professional communication skills for business studies
- Introduction to bookkeeping and accounting
- An introduction to retail management and marketing
- Engineering the future
- Understanding the autism spectrum
- Topics in health sciences
- 第一步 Dì yī bù : Beginners' Chinese
- An introduction to law in contemporary Scotland
- Introducing statistics
- Volcanoes, earthquakes and tsunamis
- Molecules, medicines and drugs: a chemical story
- Living without oil: chemistry for a sustainable future
- Galaxies, stars and planets
- Introduction to sport, fitness and management

PERSONAL & SOCIAL EDUCATION (PSE)

Throughout the Senior Phase a number of outside speakers from Universities, Colleges and other agencies will come to speak to students on a range of topics related to leaving school and moving on to the next stage, be that directly to the world of work, Further or Higher Education. These talks will mainly be organised within the S5 PSE timetabled classes but some may be at other times. Information will be available through your PSE class teacher and on school noticeboards

Visits to Open Days must be self-arranged and permission to attend these will be granted if a letter, signed by a parent or a guardian, requesting permission, is taken to Mrs Sutherland in the Registration Office prior to the day concerned.

A visit to the Ayrshire Careers Convention, in early September aimed at students heading for Higher and Further education is also organised by the school. This will give you the opportunity to gather information, including up to date prospectuses relating to universities and colleges.

Students applying for a place at University, normally in S6, through UCAS, are supported by the Guidance Team but the onus is on the student to research sufficient information and the responsibility lies with the student to ask for help and advice when required as well as to complete the application in time for the school deadline in mid-October. Students requiring help at any stage should seek advice from either their Guidance teachers or the Careers Officers. The UCAS Application is completed online by students themselves and can be accessed using the school library computers or at home.

In March of S5 a start is made on drafting a Personal Statement for the UCAS Application within the PSE programme this is an important opportunity to make a good start in preparing a good application. As competition for places on certain highly regarded degree courses grows, applicants' Personal Statements are becoming an increasingly important part of the application. It is crucial that all applicants produce a high standard of Personal Statement reflecting their own likes, skills, interests, qualities and talents where possible including the evidence to justify each.

EDUCATION MAINTENANCE ALLOWANCE

The information below is correct at time of publication.

The Education Maintenance Allowance is available to students who stay in full time education beyond their statutory leaving date. Students qualify for the Education Maintenance Allowance if they meet the following criteria:

- They must reach the age of 16 between 1 March 2017 and 28 February 2018
- If you reach the age of 16 between 1 December 2017 and 28 February 2018 you would only be eligible for the allowance for the second part of the academic year - from January 2018.
- The weekly payment is based on household income and the amount available is as follows:

Income	No of dependent children in the household	Award
£0 - £24421	1	£30
£0 - £26884	2+	£30

If you are successful in receiving an award, you must sign a learning agreement and must adhere to the conditions of that agreement. There is a requirement of 100% attendance throughout the year however, if you are absent due to ill health, up to 5 self-certificated absences are permitted. You must complete a self-certification form for this and any absences that are longer than five days will require a medical certificate.

Your EMA payment is paid directly into a bank account. Before you apply, you will need a bank or building society account which will accept BACS (Bank Automated Credit System) payments. Your EMA will then be paid every two weeks into that account. You will be notified about details of the amount and instalments before you receive payment.

Application Procedure

Information is available at: www.emascotland.com

If you think you are eligible to receive an Education Maintenance Allowance, application forms will be available from your local secondary school, Scottish Agricultural College or from Care, Learning and Wellbeing. (see address below)

School Management
Children and Community
County Buildings
Wellington Square
Ayr
KA7 1DR
Tel: 01292 612232

Additional information on the Educational Maintenance Allowance is available from Mr Anderson.

CAREERS LIBRARY

Belmont Academy has a well organised and regularly up-dated Careers Library which is the main source of information in the school regarding careers and opportunities in employment, training, Further and Higher Education. The school Librarian is available to assist in accessing careers information in the Careers Library. It is located within the school Library and contains a comprehensive range of up to date resources;

- General careers books
- Careers magazines
- Careers Guides
- Prospectuses for colleges and universities in Scotland and the UK
- Careers Videos and DVDs
- Careers CD-ROMS

In addition, the library has 12 computers with internet connections and students can access a great deal of information on career opportunities on-line. The following website are just a few that provide essential information;

www.ucas.com

www.planitplus.net

www.unofficial-guides.com

www.gapyear.com

www.sixthform.co.uk

www.hotcourses.com

www.prospectusuk.com

www.cskillsdevelopmentscotland.co.uk

www.careerchoices.org.uk

www.studentuk.co.uk

www.hero.ac.uk

www.scholarship-search.org.uk

www.choosinguni.com

ACCOUNTING – N5

WHAT'S IT ALL ABOUT?

Accounting is the study of how financial information is recorded and measured by organisations and if you like working with numbers you will find this subject exciting and rewarding. The skills and knowledge gained through the study of Accounting are used in every organisation and are at the heart of decision making and success. The ability to prepare accounting statements, analyse, interpret and report on an organisation's performance will be an impressive addition to your CV. There are 3 units:

- Preparing Financial Accounting - using information to determine financial position
- Preparing Management Accounting - using information for decision-making eg break-even, budgeting
- Analysing Accounting Information - interpreting financial information eg business ratios.

Course assessment comprises of an Assignment (1/3) and a question paper (2/3).



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis	Accountancy	English, Maths
Application	Civil Service	Accounting
Communicating	Financial Management	Admin & IT
Evaluation	Investment Analysis	Accounting also connects with all other school subjects dependant on student interests or proposed career path.
ICT skills		
Problem Solving	Law	
Synthesis	Stockbroking	



ENTRY

Progression from BGE Accounting Level 4



Progression to Higher Accounting

Useful links

<http://www.sqa.org.uk/sqa/47434.html>

<https://www.icas.com/>

<http://www.cimaglobal.com/>

ACCOUNTING – N6

WHAT'S IT ALL ABOUT?



Accounting includes the study of financial and management information within large organisations and enables learners to understand and use financial data to an advanced level. Accounting students can therefore prepare complex accounting statements, analyse, interpret, and apply techniques in order to report on an organisation's financial performance.

There are 3 units:

- Preparing Financial Accounting Information
- Preparing Management Accounting Information
- Analysing Accounting Information

End of Course Assessment:

1. Assignment - prepare accounting information and financial statements, perform calculations, compare and analyse accounting information, make decisions and report findings. (1/3 of course award).
2. Examination (2/3 of course award)

KEY SKILLS	JOB FIT	CONNECTIONS
		
Analysis	Accountancy	English, Maths
Application	Civil Service	Business Management
Communicating	Financial Management	Accounting also connects with all other school subjects dependant on student interests or proposed career path.
Evaluation	Investment Analysis	
ICT skills	Law	
Problem Solving	Stockbroking	
Synthesis		



ENTRY

Progression from N5 Accounting or H Maths



Progression to Higher Business Management

Useful links ▶

<http://www.sqa.org.uk/sqa/47434.html>

<https://www.icas.com/>

<http://www.cimaglobal.com/>

ADMINISTRATION & IT – N4/5




WHAT'S IT ALL ABOUT?

Administration & IT is the ideal course if you want to further improve your IT skills and knowledge using Microsoft Office. This course also helps with other school subjects by developing a range of essential organisational and IT skills which will stand you in good stead regardless of the career path you choose and will uniquely enhance your employability.

There are 3 units:

- **IT Solutions** - organising and managing information using technology to create, edit and update business documents
- **Administrative Practices** - supporting business, planning and organising events, customer care and business legislation
- **Communication** - gathering and sharing information.

There is an end of year IT Assignment for N5 students, which is completed in class time. All assessments are entirely skills-based and there is no handwritten exam.

KEY SKILLS	JOB FIT	CONNECTIONS
		
Application	Event Management	Admin & IT students develop transferrable skills which connect with all school subjects.
Communicating	Media	
Evaluation	Office Administration	
Presentation Skills	Travel and Tourism	
Problem Solving	Private, Public or Voluntary Sector	

admin team

Welcome!



ENTRY

Progression from BGE Admin & IT Level 4



Progression to N5 Business Management

Useful links

<http://www.sqa.org.uk/sqa/45686.html>

ART AND DESIGN – N4

WHAT'S IT ALL ABOUT?

N4 Art and Design will give you the opportunity to express yourself and work creatively with a variety of materials in a satisfying and enjoyable way while achieving the Art and Design Experiences and Outcomes. It provides you with an insight into the world of visual arts and design and helps you to develop many skills such as research, problem solving, evaluation and communication. You are able to explore areas of personal interest and develop technological skill through a range of media and research. Within the National 4 Course there are 2 Units and an Added Value Unit.

Expressive Unit: You will develop drawing and painting skills through a variety of media, develop an idea, produce a final piece of artwork and evaluate your work. You will research relevant artists and produce a piece of written work in which you will analyse the artists' work and express personal opinions.

Design Unit: You will develop problem solving skills through a variety of approaches in response to a design brief by researching visual themes, developing possible solutions and creating a final design along with evaluating your work. You will research relevant designers and produce a piece of written work in which you will analyse the designers' work and express personal opinions.

You will also sit an Added Value Unit for the expressive and design practical work in order to receive a National 4 Award. All National 4 work will be internally assessed.



KEY SKILLS	JOB FIT	CONNECTIONS
Analytical	Teacher	English
Problem Solving	Architect	Graphic Communication
Critical Thinking	Graphic Designer	Computing
Evaluation	Product Designer	Home Economics
Creative Thinking		Technical



Progression from BGE Level 4 Art and Design



Progression to National 5 Art and Design.

Useful links ▶

<http://www.sqa.org.uk/sqa/47388.html>

ART AND DESIGN – N5

WHAT'S IT ALL ABOUT?

N5 Art and Design will give you the opportunity to express yourself and work creatively with a variety of materials in a satisfying and enjoyable way while achieving the Art and Design Experiences and Outcomes. It provides you with an insight into the world of visual arts and design and helps you to develop many skills such as researching, problem solving, evaluation and communication. You are able to explore areas of personal interest and develop technological skill through a range of media and research.

Expressive Unit: You will develop drawing and painting skills through a variety of media. You will develop an idea, produce a final piece of artwork and evaluate your work. A folio of the expressive practical work will be sent to the SQA for external assessment.

Design Unit: You will develop problem solving skills through a variety of approaches in response to a Design Brief. You will respond to the design brief by researching visual themes, developing possible solutions and creating a final design as well as evaluating your work. A folio of the design practical work will be sent to the SQA for external assessment.

Art and Design studies: You will develop your analysis skills of expressive and design work as part of your unit and folio work. A written exam will assess your analysis skills.

KEY SKILLS	JOB FIT	CONNECTIONS
Analytical	Teacher	English
Problem Solving	Architect	Graphic Communications
Critical Thinking	Graphic Designer	Computing
Evaluation	Product Designer	Home Economics
Creative Thinking		Technical



ENTRY

Progression from BGE Level 4 Art and Design.



Progression to Higher Art and Design and/or Higher Photography

Useful links

<http://www.sqa.org.uk/sqa/47388.html>

ART AND DESIGN – N6


WHAT'S IT ALL ABOUT?

Higher Art and Design will give you the opportunity to express yourself and work creatively with a variety of materials in a satisfying and enjoyable way while achieving the Art and Design Experiences and Outcomes. It provides you with insight into the world of visual arts and design and helps you to develop many skills such as researching, problem solving, evaluation and communication. You are able to explore areas of personal interest and develop technological skills through a range of media and research.

Expressive Unit: You will develop drawing and painting skills through a variety of media, develop an idea, produce a final piece of artwork and evaluate your work. A folio of the expressive practical work will be sent to the SQA for external assessment

Design Unit: You will develop problem solving skills by working through the design process using a variety of approaches in response to a design brief by researching visual themes, developing possible solutions and creating a final design. A folio of the design practical work will be sent to the SQA for external assessment.

Art and Design studies: You will develop your analysis skills of expressive and design work as part of your unit and folio work. A written exam will assess your analysis skills.

	KEY SKILLS	JOB FIT	CONNECTIONS
			
	Analytical	Teacher	English
	Problem Solving	Architect	Graphic Communications
	Critical Thinking	Graphic Designer	Computing
	Evaluation	Product Designer	Home Economics
	Creative Thinking		Technical
			



Progression from National 5 Art and Design



Progression to Advanced Higher and /or Higher Photography

Useful links

<http://www.sqa.org.uk/sqa/47892.html>

ART AND DESIGN – N7




WHAT'S IT ALL ABOUT?

Advanced Higher Art and Design will give you the opportunity to express yourself and work creatively with a variety of materials. It helps you to develop many skills such as research, problem solving, evaluation and communication. You will explore areas of personal interest and develop technological skill through a range of cultural, social and historical contexts.

The Course consists of two mandatory Units, and the Course assessment. For the Advanced Higher course you will opt to study either Design OR Expressive.

The Advanced Higher Art and Design Course provides opportunities for you to develop your creativity, visual awareness and understanding of aesthetics, while exploring how to communicate your personal thoughts, ideas and opinions through your artwork. This involves visually exploring and responding in an individual way to stimuli, researching challenging art/design contexts and evaluating how artists/designers respond creatively to stimuli.

The Course assessment will consist of a portfolio. The portfolio will include the initial creative starting point for the expressive or design ideas and further development work, highly resolved piece(s) of expressive or design work and supporting evidence of critical analysis and evaluation.

KEY SKILLS	JOB FIT	CONNECTIONS
		
Analytical	Teacher	English
Creative thinking	Graphic Designer	Graphic Communication
Problem Solving	Textile Designer	Computing
Time Management	Architect	Home Economics
Evaluation		



ENTRY

Higher Art and Design

Useful links ▶

<http://www.sqa.org.uk/sqa/48494.html>

BIOLOGY -N4/N5

WHAT'S IT ALL ABOUT?

The National 4/5 Biology courses cover major areas of Biology including cellular, whole organism and ecosystems. The key areas of biodiversity, interdependence, body systems and cells and inheritance are developed through the courses and provide depth of knowledge suitable for progression to further study of biological science. These courses consist of 3 Units; Unit 1 Cell Biology; Unit 2 Multicellular Organisms; Unit 3 Life on Earth. Internally assessed components for National 4/5 include a scientific report, a practical investigation and an assignment (worth 20% of the final exam mark). National 5 pupils will have to sit an externally assessed exam at the end of the course whereas National 4 pupils will be internally assessed. There will be two prelims, one to cover Units 1 and 3 in January and another near Easter to cover Unit 2



Biology



KEY SKILLS	JOB FIT	CONNECTIONS
Critical thinking	Doctor	Chemistry
Communication skills	Conservationist	Physics
Researching	Physiotherapist	Mathematics
Analytical and evaluation skills	Forensic scientist	English
Practical scientific skills	Teacher	PE



ENTRY

Progression from BGE Level 4 Science.



Progression to CfE Higher Biology or Higher Human Biology.

Useful links

<http://www.sqa.org.uk/sqa/45723.html>

BIOLOGY – N6

WHAT'S IT ALL ABOUT?

This course provides study of a wide range of biological topics which show the importance of Biology as an investigative science and as a basis for a wide range of career opportunities. Higher Biology will develop an understanding of the way in which biological principles can be applied to issues facing society and encourage positive attitudes to others and the environment.

The CfE Higher has three Units: Unit 1 DNA and the Genome; Unit 2 Metabolism and Survival; Unit 3 Sustainability and Interdependence. Internally assessed components include a practical investigation and an assignment (worth 17% of the final exam mark). These will also form the basis of any final award. There will be two prelims, one to cover Units 1 and 2 in January and another near Easter to cover Unit 3.

KEY SKILLS	JOB FIT	CONNECTIONS
Analytical and Evaluation skills	Doctor	Chemistry
Communication skills	Forensic Scientist	Physics
Critical Thinking	Conservationaist	Mathematics
Researching	Physiotherapist	English
Investigative skills	Teacher	Psychology



ENTRY

National 5 Biology (A/B pass strongly advised)



Progression to CfE Advanced Higher Biology or further education at college/university

Useful links

<http://www.sqa.org.uk/sqa/47912.html>

BIOLOGY – N7

WHAT'S IT ALL ABOUT?

The Advanced Higher Biology Course focuses on the areas of cells and proteins, organisms and evolution, and investigative biology. Learners develop a sound theoretical understanding and practical experience of experimental investigative work in biological science, and develop their ability to carry out complex practical scientific activities. This will form a solid base of knowledge and practical skills for progression to further education at college or university in the scientific field.

The assessment for this course comprises a question paper and a project carried out in class.

There will be 2 prelims in January and Easter time to prepare pupils for the exam.



KEY SKILLS	JOB FIT	CONNECTIONS
Analytical Skills	Doctor	Chemistry
Researching	Physiotherapist	Physics
Communication Skills	Forensic Scientist	Mathematics
Critical Thinking	Conservationist	English
Practical Scientific Skills	Teacher	Physical Education

Biology
is **LIFE**



Higher Biology or Higher Human Biology at an A/B pass



Progression to further study at university, college or employment

Useful links ▶

<http://www.sqa.org.uk/sqa/48458.html>

BUSINESS MANAGEMENT – N4/5

WHAT'S IT ALL ABOUT?

Business Management is the study of how organisations use business information to achieve their goals, demonstrating the impact that business has on all our lives. Learning the ways in which your own abilities and entrepreneurial skills can benefit an organisation is very rewarding and satisfying.

There are 3 units:

- **Business in Action** - business objectives, satisfying customers' needs, business influences and stakeholders
- **Management of Marketing and Operations** - market research and how businesses use marketing techniques to help them improve, business operations and the ways IT can contribute to effective marketing and operations
- **Management of People and Finance** - finding and retaining staff, financial knowledge, budgeting and performance calculations

Course assessment comprises of a business investigation/Assignment (30%) and a question paper (70%).



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis	Entrepreneurship	English Maths
Application	Management: eg NHS, hospitality,	Accounting Admin & IT
Evaluation	Quantity Surveying	Business Management also connects with all other school subjects dependant on student interests or proposed career path.
Problem Solving	Public Relations	
Synthesis	Systems Analysis	



ENTRY

Progression from
BGE Business
Management Level 4



NOSSSTEP

Progression to Higher
Business Management

Useful links ▶

<http://www.sqa.org.uk/sqa/45693.html>

<http://www.tutor2u.net/business>

<http://www.businessed.co.uk/>

BUSINESS MANAGEMENT – N6

WHAT'S IT ALL ABOUT?

Business Management includes the study of large organisations and the ways in which information is used to enhance business performance. Understanding the economic and financial environment in which business operates will help learners contribute responsibly to society and participate effectively in the ever-changing global business environment. Learners will also study the increasing significance of corporate social responsibility and ethical business practices.

There are 3 units:

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

End of Course Assessment:

1. The Business Assignment is to research an organisation and a business issue and provide subsequent analysis and recommendation, (30% of course award)
2. End-of-year examination (70% of course award)



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis	Entrepreneurship	English Maths
Application	Management: eg NHS, hospitality,	Accounting
Evaluation	Quantity Surveying	Business Management also connects with all other school subjects dependant on student interests or proposed career path.
Problem Solving	Public Relations	
Synthesis	Systems Analysis	



ENTRY

Progression
from N5
Business
Management or
Higher English



Progression to
Higher
Accounting

Useful links ▶

<http://www.sqa.org.uk/sqa/45693.html>

<http://www.tutor2u.net/business>


<http://www.businessed.co.uk/>



CHEMISTRY - N4

WHAT'S IT ALL ABOUT?

Chemistry is the study of matter and the chemical reactions between substances. Chemistry is also the study of matter's composition, structure, and properties. Matter is essentially anything in the world that takes up space and has mass. The study of Chemistry can make an important contribution to your knowledge and understanding of the physical and natural world.

The National 4 course covers Atomic theory, Bonding, Rates of reaction, Reactions of acids, Fuels & hydrocarbons, Carbohydrates, Metals, Cells, Polymers and Fertilisers.



KEY SKILLS	JOB FIT	CONNECTIONS
		
Analytical	College entry	Physics
Inquiry	Some Modern Apprenticeships	Biology
Processing		Maths
Investigative		English
Evaluating		



Progression from
BGE Level 4 Science.



Nat 5 Chemistry in 5th
year.

Useful links

<http://www.rsc.org/learn-chemistry>

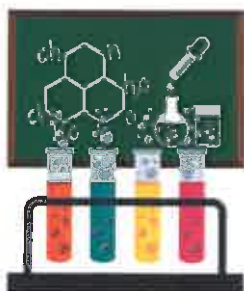
<http://www.evans2chemweb.co.uk/Index.php> Username : belmont password:chemistry

CHEMISTRY – N5

WHAT'S IT ALL ABOUT?

Chemistry is the study of matter and the chemical reactions between substances. Chemistry is also the study of matter's composition, structure, and properties. Matter is essentially anything in the world that takes up space and has mass. The study of Chemistry can make an important contribution to your knowledge and understanding of the physical and natural world.

The National 5 course covers Chemical calculations, Neutralisation reactions, Ionic equations, Carbon compounds, Electrochemical cells, Metals, Condensation polymers, Fertilisers, Nuclear Chemistry.



KEY SKILLS	JOB FIT	CONNECTIONS
Analytical	Medicine	Physics
Inquiry	Vet medicine	Biology
Processing	Dentistry	Maths
Investigative	Pharmacy	English
Evaluating	Chemical engineering	



Minimum level - 4C
in S3 Chemistry



Nat 6 Chemistry in
5th year.

Useful links

<http://www.rsc.org/learn-chemistry>

<http://www.evans2chemweb.co.uk/index.php> Username : belmont password:chemistry

CHEMISTRY - N6

WHAT'S IT ALL ABOUT?

Chemistry is the study of matter and the chemical reactions between substances. Chemistry is also the study of matter's composition, structure, and properties. Matter is essentially anything in the world that takes up space and has mass. The study of Chemistry can make an important contribution to your knowledge and understanding of the physical and natural world.

The National 6 course covers Rates of reactions, Bonding and the Periodic Table, Chemistry of carbon, Industrial Chemistry, Chemical calculations, Redox reactions, Equilibrium, Chemical Energy.



KEY SKILLS	JOB FIT	CONNECTIONS
Analytical	Medicine	Physics
Inquiry	Vet medicine	Biology
Processing	Dentistry	Maths
Investigative	Pharmacy	English
Evaluating	Chemical engineering	



Minimum level - A or B at Nat 5 Chemistry



Nat 7 Chemistry in 6th year.

Useful links ▶

<http://www.rsc.org/learn-chemistry>

<http://www.evans2chemweb.co.uk/index.php> Username : belmont password:chemistry

CHEMISTRY – N7

WHAT'S IT ALL ABOUT?

Chemistry is the study of matter and the chemical reactions between substances. Chemistry is also the study of matter's composition, structure, and properties. Matter is essentially anything in the world that takes up space and has mass. The study of Chemistry can make an important contribution to your knowledge and understanding of the physical and natural world.

The National 7 course covers Atomic Spectra, Atomic Orbitals and Electronic Configurations, Shapes of Molecules & Ions, Transition Metals, Equilibrium, Reaction Feasibility & Kinetics, Molecular Orbitals, Reactions of Organic Molecules, Structural Analysis and Researching Chemistry which includes a personal investigation.



KEY SKILLS	JOB FIT	CONNECTIONS
Analytical	Medicine	Physics
Inquiry	Vet medicine	Biology
Processing	Dentistry	Maths
Investigative	Pharmacy	English
Evaluating	Chemical engineering	

Advanced Chemistry



ENTRY

Minimum level - A or B at Nat 6 Chemistry



NECESSARY

University courses leading to the careers mentioned above.

Useful links

<http://www.rsc.org/learn-chemistry>

<http://www.evans2chemweb.co.uk/index.php> Username : belmont password:chemistry

COMMUNITY SPORTS LEADER

WHAT'S IT ALL ABOUT?

The Sports Leader course is delivered in conjunction with the Active Schools Co-ordinator. It involves a combination of practical work, theory and delivering sessions to both junior classes in Belmont, as well as in our cluster Primary Schools. There is also the opportunity to deliver after school transition clubs.

To be successful within this course, some knowledge and enthusiasm of sports and activities is essential, in order to demonstrate skills and assist younger pupils. You should be a determined and motivated individual who can deliver to their peers and younger learners with confidence. A strong sense of planning and organisation is also required to successfully deliver sessions.



KEY SKILLS	JOB FIT	CONNECTIONS
Coaching skills	Teaching	
Communication Skills	Sports & fitness industry	
Creative Thinking		
Time Management		
Working with Others		



Progression from National 5 and National 6 PE.



Progression to relevant college courses.

COMPUTING SCIENCE – N4/5

WHAT'S IT ALL ABOUT?

Computing Science is all about making computers do exactly what you want them to do. Whether you want to design a multimedia website to promote and sell your company's products or to showcase your latest art work; or maybe develop a program or app to create scientific models or measure fitness, Computing Science is the subject that makes all of this possible.

The National 4 and National 5 qualifications aim to develop computational thinking and problem solving skills as you learn how to read and write code, develop information systems and gain an understanding of the latest computer technology.

Both qualifications consist of two units which are Software Design & Development and Information Systems Design & Development. The National 4 course is assessed through an Added Value Unit project. The National 5 course assessment consists of a practical assignment worth 40% and a final exam question paper worth 60% of the overall award.



KEY SKILLS	JOB FIT	CONNECTIONS
Problem Solving	Software Engineering	Technologies
Analysis	Web Developer	Sciences/Maths
Computational Thinking	IT Systems Analyst	Business/Social
Creativity	Cyber Security / Forensics	Expressive Arts
ICT	Artificial Intelligence	English



ENTRY

Progression from
Level 3 BGE (N4)
Level 4 BGE (N5)



Progression from
N5 to Higher and
then on to
Advanced Higher

Useful links

<https://uk.code.org>

<http://www.bbc.co.uk/education/subjects/zfs3kqt>

Scan the QR codes above to find out why Computing Science is important.

COMPUTING SCIENCE – N6

WHAT'S IT ALL ABOUT?

Computing Science is all about making computers do exactly what you want them to do. Whether you want to design a multimedia website to promote and sell your company's products or to showcase your latest art work; or maybe develop a program or app to create scientific models or measure fitness, Computing Science is the subject that makes all of this possible.

The Higher qualification will build upon skills acquired at National 5 as students learn to read and write increasingly complex code in order to program applications and develop interactive websites. As well as studying the latest technology, cyber security risks and precautions are also investigated in this course.

The Higher qualification consists of two units which are Software Design & Development and Information Systems Design & Development. The course is assessed through a practical assignment worth 40% and a final exam question paper worth 60% of the overall award.



KEY SKILLS	JOB FIT	CONNECTIONS
Problem Solving	Software Engineering	Technologies
Analysis	Web Developer	Sciences/Maths
Computational Thinking	IT Systems Analyst	Business/Social
Creativity	Cyber Security / Forensics	Expressive Arts
ICT	Artificial Intelligence	English



ENTRY

Progression from
National 5



Progression to
Advanced Higher

Useful links ▶

<https://uk.code.org>

<http://www.bbc.co.uk/education/subjects/zxmh34/>

Scan the QR codes above to find out why Computing Science is important.

COMPUTING SCIENCE – N7

WHAT'S IT ALL ABOUT?

Computing Science is all about making computers do exactly what you want them to do. Whether you want to design a multimedia website to promote and sell your company's products or to showcase your latest art work; or maybe develop a program or app to create scientific models or measure fitness, Computing Science is the subject that makes all of this possible.

The Advanced Higher qualification will build upon skills acquired at Higher as students learn how to read and write object oriented code. They will also learn how to create more sophisticated and professional looking applications and websites similar to those used in business and online retail.

The Advanced Higher qualification consists of two units which are Software Design & Development and Information Systems Design & Development. The course is assessed through a large scale practical assignment worth 60% and a final exam question paper worth 40% of the overall award.



KEY SKILLS	JOB FIT	CONNECTIONS
Problem Solving	Software Engineering	Technologies
Analysis	Web Developer	Sciences/Maths
Computational Thinking	IT Systems Analyst	Business/Social
Creativity	Cyber Security / Forensics	Expressive Arts
ICT	Artificial Intelligence	English



ENTRY

Progression from
Higher



Progression to
University

Useful links

<https://uk.code.org>

Scan the QR codes above to find out why Computing Science is important.

CYBER SECURITY

WHAT'S IT ALL ABOUT?




In 2008, for the first time, more things were connected to the internet than there were people on the planet. Next year, there will be a global shortage of over two million Cyber Security workers. Cyber Security has become an essential consideration for the success of the virtual economy, education and community.

This NPA course is intended for learners wishing to develop and enhance cyber skills to support learning across a wide range of curricular areas whilst raising awareness of security responsibilities. It is open to all pupils regardless of previous experience.

This course consists of three units which are Data Security, Digital Forensics and Ethical Hacking. All units are offered at levels 4, 5 and 6 and so they can be studied over either one or two years. It is possible to aim for individual units or an overall group award for which units can be mixed and matched at all levels.

Course assessment is conducted entirely through internal unit assessments which are completed online with no final exam at the end of the course.



KEY SKILLS	JOB FIT	CONNECTIONS
		
Problem Solving	Enhances skills, awareness and responsibilities of Cyber Security relevant to any organisation which stores digital data and uses electronic communication	Technologies
Analysis		Sciences/Maths
Evaluation		Business/Social
Collaboration		Expressive Arts
ICT		English



Open to all



Progression from NPA level 4/5 to level 6.

Useful links

<http://www.bbc.co.uk/news/technology-37821867>
<https://www.gchq.gov.uk/features/cyber-threat>
<https://cybersecuritychallenge.org.uk/inside-cyber/developing-cyber-talented-security-aware-workforce>
 Scan the QR codes above to find out why Cyber Security is so important.

DESIGN AND MANUFACTURE – N4/5

WHAT'S IT ALL ABOUT?

This course allows learners to explore the multi-faceted world of product design and product manufacture. Creativity is at the heart and stresses the integration of designing and making. It provides opportunities for learners to apply practical skills and an understanding of the properties and uses of materials and manufacturing processes. It does so in a way that allows learners to inform and refine their ideas and design proposals. It offers them the opportunity to explore design alternatives and consider the manufacturing practicalities that these alternatives bring to light.




The course combines elements of creativity and designing for aesthetic or visual impact with elements of designing for manufacture. This is assessed through a variety of small projects which gain the candidates passes at Unit level. Followed by a final independent Design and Make project which is 50% of their final grade and an exam which is the other 50%.

Learners explore the various factors that impact a product's design. They consider the life cycle of a product from inception through design, manufacture, and use, including its disposal and/or re-use a key factor in developing a sustainable future.



ENTRY

Entry to this course: level 4 consolidating in Technologies. We look for pupils with curious minds and a can do attitude to take advantage of the design and make opportunities offered.

KEY SKILLS	JOB FIT	CONNECTIONS
		
Problem Solving	Engineering	Maths
Design based thinking	Product Design	Chemistry
Decision making	Construction	Physics
Communication	Project management	Art & Design
Manufacture	Industrial design	English



NEXT STEPS

Students will progress onto National Qualifications at N6 (Higher) level then N7 (Advanced Higher) in this subject.



Department Web Page: <http://belmontacademydesigntechnology.weebly.com/design-and-manufacture.html>

Useful links ►

SQA Information page: <http://www.sqa.org.uk/sqa/45645.html>

Bitesize: <http://www.bbc.co.uk/education/subjects/z6xpb9q>



DESIGN AND MANUFACTURE – N6

WHAT'S IT ALL ABOUT?

Higher Design and Manufacture enables learners to explore the multi-faceted world of product design and product manufacture. Creativity and engineering are at the heart of this level integrating original ideas with the skills and technology for commercial design and manufacture. It does so in a way that allows learners to inform and refine their ideas and designs creating detailed technical proposals. It offers candidates the opportunity to explore design alternatives and consider the manufacturing practicalities that these alternatives bring to light.




The course combines elements of creativity and designing for aesthetic or visual impact with elements of designing for manufacture. This is assessed through a variety of small projects which gain the candidates passes at Unit level. Followed by a final independent Design and Make project which is 40% of their final grade and an exam which is the other 60%.

Learners explore a vast range of factors that impact a product's design. They consider the life cycle of a product from inception through design, manufacture, and use, including its disposal and/or re-use a key factor in developing a sustainable future.



ENTRY

Entry to this course: level 4 consolidating in Technologies. We look for pupils with curious minds and a can do attitude to take advantage of the design opportunities offered.

KEY SKILLS	JOB FIT	CONNECTIONS
		
<u>Problem Solving</u> <u>Design based thinking</u> <u>Decision making</u> <u>Communication</u> <u>Manufacture</u>	<u>Engineering</u> <u>Product Design</u> <u>Construction</u> <u>Project management</u> <u>Industrial design</u>	<u>Maths</u> <u>Physics</u> <u>Graphic Comm.</u> <u>N5 English</u> <u>N5 Metalwork</u>



NEXT STEP

Students will progress onto National Qualification at N7 (Advanced Higher) in this subject.



Department Web Page: <http://belmontacademydesigntechnology.weebly.com/design-and-manufacture.html>

Useful links

SQA Information page: <http://www.sqa.org.uk/sqa/45645.html>

Bitesize: <http://www.bbc.co.uk/education/subjects/z6xpb9q>



DESIGN AND MANUFACTURE – N7

WHAT'S IT ALL ABOUT?

Advanced Higher Design and Manufacture challenges learners to explore the multi-faceted world of product design and product manufacture. Creativity and engineering are at the heart of this level integrating original ideas with the skills and technology for commercial design and manufacture.

The Course places emphasis on the integration of designing and manufacturing as a connected activity, and design as a repetitious process. It highlights the close relationship between designing, making, modelling, testing, refining and presenting design ideas.

There are three mandatory units for the learners to develop their skills before the final project; these are designed to enhance skills developed at Higher level.

- Unit1: Product Analysis
- Unit 2: Product development
- Unit 3: Product Evolution
- Course project 120 marks
- Final Exam 80 Marks



Entry to this course: Higher Design and Manufacture. We look for pupils with curious minds and a can do attitude to take advantage of the design opportunities offered.

KEY SKILLS	JOB FIT	CONNECTIONS
<u>Problem Solving</u> <u>Design based thinking</u> <u>Time management</u> <u>Communication</u> <u>Manufacture</u>	<u>Engineering</u> <u>Product Design</u> <u>Construction</u> <u>Project management</u> <u>Industrial design</u>	<u>Maths</u> <u>Physics</u> <u>Graphic Comm.</u> <u>English</u> <u>N5 Metalwork</u> <u>N5 Electronics</u>



Students will progress onto Careers or courses based on Engineering and Design from the skills developed within this course.



Useful links ▶

Department Web Page: <http://belmontacademydesigntechnology.weebly.com/design-and-manufacture.html>

SQA Information page: <http://www.sqa.org.uk/files/nq/AHCourseSpecDesignandManufacture.pdf>

Bitesize: <http://www.bbc.co.uk/education/subjects/z6xpb9q>



ENGLISH AND LITERACY - N4/5

WHAT'S IT ALL ABOUT?

English is one of the most useful subjects you will study - it is about understanding the way that people communicate their ideas, opinions and passions.

It is about learning to express your feelings and opinions in ways that persuade and influence your readers and listeners.

It is also about studying some of the most famous texts in Drama, Poetry, Prose and Media.

You will be assessed on your ability to understand, analyse, and evaluate a range of different texts including: a Scottish Set Text, different genres of literature and different examples of non-fiction. You are also given the opportunity to use skills you have analysed from professional writers in your two folio essays, which are submitted to the SQA.



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis	Law	Language based studies
Synthesis	Civil Service	Philosophy
Evaluation	Business Management	Social Subjects
Application	Journalism / Broadcasting	Drama
Communication	Teaching	



ENTRY

Progression from
BGE Level 4 in
English



NEXT STEP

Progression to
Higher English
and National 5
Drama.

Useful links ▶

<http://www.educationscotland.gov.uk/nationalqualifications/subjects/english.asp>

ENGLISH – TWO YEAR HIGHER

WHAT'S IT ALL ABOUT?




The ability to produce high quality, sophisticated written and spoken English is essential in the 21st century. Every student, employee and citizen is expected to be able to contribute ideas and opinions. The skills of understanding, analysing and evaluating the information they are presented with is a vital part of a student's development - and English is where all of these skills come together!

The Two Year Higher course provides pupils with the opportunity to develop these skills from National 5 and feel more confident in applying them in more challenging contexts.

Two internal assessments are undertaken in Year 1: **Creation and Production & Analysis & Evaluation** alongside development of the two folio pieces.

In Year 2, pupils will continue to build on their exam skills and sit the full Higher course with the knowledge that they have experience and confidence in dealing with the challenges Higher English presents.



KEY SKILLS	JOB FIT	CONNECTIONS
		
Analysis	Law	Language based studies
Synthesis	Civil Service	Philosophy
Evaluation	Business Management	Social Subjects
Application	Journalism / Broadcasting	Drama
Communication	Teaching	



Progression from National 5 in English - C



Progression to National 5 Drama and Higher English

Useful links ▶

<http://www.sqa.org.uk/sqa/47904.html>

ENGLISH – N6




WHAT'S IT ALL ABOUT?

The ability to produce high quality, sophisticated written and spoken English is essential in the 21st century. Every student, employee and citizen is expected to be able to contribute ideas and opinions. The skills of understanding, analysing and evaluating the information they are presented with is a vital part of a student's development - and English is where all of these skills come together!

There are two Units to be completed in the course of National 6:

- **Creation and Production** where you will create a spoken text - a Solo Talk or take part in Group Discussion, and two essays which will be submitted as your Folio
- **Understanding and Analysis** where you will study written and spoken texts and demonstrate your understanding by answering Textual Analysis questions and produce Critical Essays in the study of literature and respond to questions in the application of literacy skills.



KEY SKILLS	JOB FIT	CONNECTIONS
		
Analysis	Law	Language based studies
Synthesis	Civil Service	Philosophy
Evaluation	Business Management	Social Subjects
Application	Journalism / Broadcasting	Drama
Communication	Teaching	



Progression from National 5 in English - minimum B pass



Progression to Advanced Higher English

Useful links ▶

<http://www.sqa.org.uk/sqa/47904.html>

ENGLISH - N7

WHAT'S IT ALL ABOUT?

Advanced Higher English is the study of sophisticated literary texts which allows candidates to apply the higher order skills of analysis and evaluation to texts which they have selected as the topic of their Dissertation. Through the close study of the effectiveness of language, students can prepare for academic studies in a range of faculties from humanities to politics and a wide range of career opportunities from Marketing to Law.

Two Units comprise the Course:

- Creation and Production
- Analysis and Evaluation of Literary texts
- These Units are assessed by the production of Critical Essays and Textual Analysis responses to a final exam paper and the production of a Dissertation of 3,000 words.



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis	Law	Language based studies
Synthesis	Civil Service	Philosophy
Evaluation	Business Management	Social Subjects
Application	Journalism / Broadcasting	Drama
Communication	Teaching	



Progression from Higher English - B recommended.



Progression to University and College Courses.

Useful links

http://www.sqa.org.uk/files_ccc/AHCUSNEnglish.pdf

ENVIRONMENTAL SCIENCE – N4/5

WHAT'S IT ALL ABOUT?

Environmental Science is a new subject which brings together elements of *Geography, Geology and Biology*. The course encourages learners to take a problem solving approach to attempt to develop solutions that prevent or reverse environmental deterioration and aim for sustainable practices.




Higher course content:

Unit 1: Living Environments - Ecosystems; Interdependence; Human Impact on Biodiversity

Unit 2: Earth Resources - Atmosphere, Biosphere, Geosphere & Hydrosphere

Unit 3: Sustainability - Food, Water, Energy and Waste Management



KEY SKILLS	JOB FIT	CONNECTIONS
		
Evaluating	Renewable energy	Geography
Decision making	Conservation	Geology
Analysing	Waste Management	Earth Sciences
Graphical skills	Health & Safety	Biology
Investigating	Pollution Control	



Progress through Level 4 Geography or Biology



N5/Higher Geography
N5/Higher Biology

Useful links ▶

www.rsgs.org

<http://geography.about.com/>

ENVIRONMENTAL SCIENCE – N6

WHAT'S IT ALL ABOUT?

Environmental Science is a new subject which brings together elements of Geography, Geology and Biology. The course encourages learners to take a problem solving approach to attempt to develop solutions that prevent or reverse environmental deterioration and aim for sustainable practices.

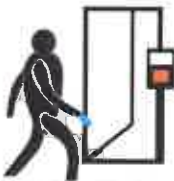
Higher course content:

Unit 1: Living Environments - Ecosystems; Interdependence; Human Impact on Biodiversity

Unit 2: Earth Resources - Atmosphere, Biosphere, Geosphere & Hydrosphere

Unit 3: Sustainability - Food, Water, Energy and Waste Management

KEY SKILLS	JOB FIT	CONNECTIONS
Evaluating	Renewable energy	Geography
Decision making	Civil Engineering	Geology
Analysing	Waste Management	Earth Sciences
Graphical skills	Health & Safety	Biology
Investigating	Pollution Control	



ENTRY

An A or B award at National 5 in a science subject or Geography



N5/Higher Geography
N5/Higher Biology

Useful links

www.rsgs.org

<http://geography.about.com/>

GEOGRAPHY – N4/5

WHAT'S IT ALL ABOUT?

Geography is a unique subject which bridges the gap between the natural sciences and social sciences. It is how we live, where we live, why we live there and how we interact with each other in the present and in the future.




National 4 and 5 follow the same course content, with different assessments:

Unit 1: Physical Environments - Coastal landscapes, glaciated landscapes and weather affecting the British Isles)

Unit 2: Human Environments - Urban geography, rural geography and population in developed and developing countries

Unit 3: Global Issues - Hazards (earthquakes, volcanoes and tropical storms); Climate areas (rainforests and tundra) and Health (heart disease and malaria).

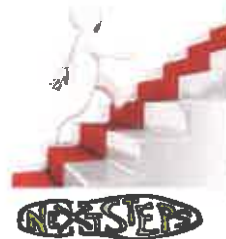
The Added Value Assignment focuses on local urban fieldwork.

KEY SKILLS	JOB FIT	CONNECTIONS
		
Mapping skills	Renewable energy	Env Science
Researching	Town planning	Modern Studies
Graphical analysis	Conservation	History
Critical thinking	Travel and tourism	
Decision making	Charity/aid sector	



ENTRY

Progress through S3 Geography or a National 4/5 award in another social subject



Higher Geography
N5 / Higher Environmental Science

Useful links ▶

www.rsqs.org

<http://geography.about.com/>

GEOGRAPHY – N6

WHAT'S IT ALL ABOUT?

Geography is a unique subject which bridges the gap between the natural sciences and social sciences. It is how we live, where we live, why we live there and how we interact with each other in the present and in the future.

Higher course content:

Unit 1: Physical Environments - Lithosphere; Hydrosphere; Biosphere & Atmosphere

Unit 2: Human Environments - Urban geography, rural geography and Population

Unit 3: Global Issues - River Basin Management (Colorado River case study) and Development & Health (Malaria case study)

The Higher Assignment focuses on coastal fieldwork in the Culzean area.



KEY SKILLS	JOB FIT	CONNECTIONS
Mapping skills	Renewable energy	Geography
Decision making	Architecture	Geology
Statistical skills	Tourism	Earth Sciences
Critical analysis	Civil engineering	
Research skills	Town Planning	



ENTRY

An A or B award at National 5 Geography (or related social subject)



AH Geography
Higher Environmental Science

Useful links ▶

- www.rsgs.org
- <http://geography.about.com/>

GEOGRAPHY – N7

WHAT'S IT ALL ABOUT?

Advanced Higher Geography is excellent preparation for pupils wishing to progress to further education. Unlike other courses, 67% of the course is covered by independent study in the form of a folio:

This includes:

A Geographical Issues Essay, on a controversial geographical issue

A Geographical Study. Pupils select a geographical topic (from physical or human geography) and research it in depth, producing a detailed report

Pupils have considerable opportunity to undertake fieldwork, undertake research and present their findings via a variety of complex methods.



KEY SKILLS	JOB FIT	CONNECTIONS
Mapping skills	Renewable Energy	Geography
Decision making	Architecture	Geology
Statistical skills	Geology / Petrology	Earth Sciences
Critical analysis	Civil Engineering	
Research skills	Planning & GIS	



ENTRY

An A or B award at Higher Geography



Undergraduate courses in Geography and Earth Science

Useful links

www.rsgs.org

<http://geography.about.com/>

GRAPHIC COMMUNICATION – N4/5

WHAT'S IT ALL ABOUT?

Graphic Communication introduces pupils to the wide variety of presentation methods employed in graphic production. Learners will have opportunities to gain skills in reading, interpreting, and creating technical graphics. Pupils will initiate, develop and communicate ideas graphically; developing an awareness of graphic communication as a global language and the applications of Industrial Design.

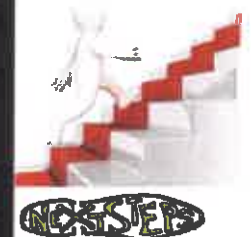
There are two mandatory units, one course assessment project and a final written exam in this subject. These will prepare the students for progressing into higher level study. This course has a focus on Printing in all media, traditional printers' digital printing, 3D printing and laser cutting. Pupils will learn about file formatting and enhanced Digital literacy skills required for today's employers.

The variety of skills developed within this course have allowed this subject to be at the forefront of innovation and a positive choice in developing young people with essential skills for future careers.



We look for pupils who enjoy the challenges of Technical Drawing, the enthusiasm for computer skills and the enjoyment of creating graphic presentations.

KEY SKILLS	JOB FIT	CONNECTIONS
Digital Literacy	Engineering	Maths
Communication	Industrial Design	Art & Design
Problem Solving	Media and communication	English
Critical Thinking	Game Design	Physics
Design	Architecture	Psychology
Presentation		



Students will progress onto National Qualifications at Higher and then Advanced higher in this subject



Useful links ▶

Department Web Page: <http://belmontacademydesigntechnology.weebly.com/graphic-communication.html>

SQA Information page: <http://www.sqa.org.uk/sqa/45653.html>

Bitesize: <http://www.bbc.co.uk/education/subjects/znp4wx>

Wikipedia: https://en.wikipedia.org/wiki/Graphic_communication



GRAPHIC COMMUNICATIONS – N6

WHAT'S IT ALL ABOUT?

Higher level *Graphic Communication* builds students presentation skills and awareness employed in graphic production. Learners will have opportunities to gain industry standard technical graphics. Pupils will also initiate, develop and communicate ideas graphically; developing an awareness of graphic communication as a global language and the applications of Industrial Design.

This is a practical course, combining creativity and design, whilst considering factors that impact on graphic design. Pupils will produce detailed preliminary, production and promotional graphics in contexts which respond to set briefs. Higher level study also allows pupils to consider how technologies have impacted on the world of Engineering and Industrial Design.



ENTRY

We look for pupils who enjoy the challenges of Technical Drawing, the enthusiasm for computer skills and the enjoyment of creating graphic presentations.

KEY SKILLS



Digital Literacy
Communication
Problem Solving
Critical Thinking
Design
Presentation

JOB FIT



Engineering
Industrial Design
Media and communication
Game Design
Architecture

CONNECTIONS



Maths
Art & Design
Physics
Sociology
Design and Manufacture



Students will progress onto National Qualifications at Advanced Higher in this subject.



Useful links

Department Web Page: <http://belmontacademydesigntechnology.weebly.com/graphic-communication.html>

SQA Information page: <http://www.sqa.org.uk/sqa/45653.html>

Bitesize: <http://www.bbc.co.uk/education/subjects/znpy4wx>

Wikipedia: https://en.wikipedia.org/wiki/Graphic_communication



GRAPHIC COMMUNICATION – N7



WHAT'S IT ALL ABOUT?

This course has two mandatory units, one assessment unit and a final exam.

Technical Graphics: bringing clarity to all working drawings and discovering new 3D modelling methods. 10Wks

Commercial and Media Graphics: Progressing Graphic Design to digital displays and web-design. 10 wks.

This will be followed by an advanced level folio with a Graphic theme of the candidates choosing. This will be focusing on producing a folio of evidence which meets industrial standards for graphic use. This is worth 70% of the final grade. The remaining 30% will be gained within the final exam.

Learners studying this level should be self-motivated to do well and will require to undertake an additional 20hrs of personal study in completing their folio.



Entry requires a pass at National 6 level gaining a grade A,B or C. It would be important to want to continue into a career in Engineering or Industrial Design

KEY SKILLS	JOB FIT	CONNECTIONS
		
Digital Literacy	Engineering	Maths
Communication	Industrial Design	Art & Design
Problem Solving	Media and communication	Physics
Critical Thinking	Game Design	Sociology
Design	Architecture	Design and Manufacture
Presentation		



Students will progress onto Further or Higher Education in an appropriate discipline utilising their developed skills or onto an apprenticeship to do the same.



Useful links ▶

Department Web Page: <http://belmontacademydesignritechnology.weebly.com/graphic-communication.html>

SQA Information page: <http://www.sqa.org.uk/sqa/45653.html>

Bitesize: <http://www.bbc.co.uk/education/subjects/znpy4wx>

Wikipedia: https://en.wikipedia.org/wiki/Graphic_communication



HEALTH AND FOOD TECHNOLOGY – N4/5

WHAT'S IT ALL ABOUT?

The National 5 Health and Food Technology Course will enable learners to develop and apply practical and technological skills, knowledge and understanding to make informed food and consumer choices. Learners develop and apply safe and hygienic practices in practical food preparation, as well as knowledge and understanding of the relationships between health, food and nutrition.

Assessment is made up of 3 Units and the course assessment:

Food for Health - Knowledge and understanding of nutrition and health.

Food Product Development- Develop new products and learn about functional properties of ingredients.

Contemporary Food Issues - Investigate consumer food choices.

National 4 - Added Value Unit - Produce a food product to meet a given brief.

National 5 Course Assessment - Assignment (50%) and Question Paper (50%)



KEY SKILLS	JOB FIT	CONNECTIONS
Analysing	Food technologist	Physical Education (Health/Nutrition)
Evaluating	Home Economics Teacher	Biology (Health/Nutrition)
Researching	Dietitian	Chemistry (Food Chemistry)
Working Creatively	Development Chef	
Inventing Products and Ideas	Environmental health officer	



ENTRY

Progression from
BGE Level 4 - Health and Food technology (or equivalent)



Higher Health and Food Technology

Useful links ▶

<https://www.nutrition.org.uk>

<http://www.foodafactoflife.org.uk>

HEALTH AND FOOD TECHNOLOGY – N6

WHAT'S IT ALL ABOUT?

The Higher Health and Food Technology Course addresses contemporary issues affecting food and nutrition, including ethical and moral considerations, sustainability of sources, food production and development, and their effects on consumer choices. Learners analyse the relationships between health, food and nutrition, and plan, make and evaluate food products to a range of dietary and lifestyle needs.

Assessment is made up of 3 Units and the course assessment:

Food for Health - Knowledge and understanding of nutrition and health.

Food Product Development- Develop new products and learn about functional ingredients.

Contemporary Food Issues - Investigate consumer food choice.

Course Assessment - Assignment (50%) and Question Paper (50%)



KEY SKILLS	JOB FIT	CONNECTIONS
Analysing	Food technologist	Physical Education (Health/Nutrition)
Evaluating	Home Economics Teacher	Biology (Health/Nutrition)
Researching	Dietitian	Chemistry (Food Chemistry)
Working Creatively	Development Chef	
Inventing Products and ideas	Environmental health officer	



ENTRY

National 5 - Health and Food technology (or equivalent)
National 5 - literacy and numeracy



Further education course in Food Technology and Consumer Studies.

Useful links ▶

<https://www.nutrition.org.uk>

<http://www.foodafactoflife.org.uk>

HISTORY – N4/5

WHAT'S IT ALL ABOUT?

Studying History not only teaches pupils about past events but is an important way for students to learn about the development of modern society.

Within the National 4/5 course, pupils build on their knowledge from S3 looking at topics within the British, Scottish and European and World units. They also continue to develop numerous skills including research, extended writing and importantly source handling.

In National 4/5 History pupils will study the following topics as well as an Added Value Unit:

- Scottish Unit - Migration and Empire, 1830-1939
- British Unit - The Atlantic Slave Trade, 1770-1807
- European and World Unit - Cold War, 1945-1989



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis & Evaluation	Journalism	English
Research & Organisation	Law	Modern Studies
Source Handling	Teaching	Business Education
Extended Writing	Police	Politics
Decision Making	Banks and businesses	Economics



ENTRY

Progression from Level 4 History



NO STEP

Progression to Higher History and/or Modern Studies

Useful links

<http://www.sqa.org.uk/sqa/47442.html>

<http://www.sqa.org.uk/sqa/47447.html>

<https://mrmarrhistory.wordpress.com/national-45/> (plus a YouTube channel)

HISTORY – N6

WHAT'S IT ALL ABOUT?

Studying History will help you understand more about Scotland, Britain, Europe and the world - but that's not all you will learn. The study of history is a great way to learn a variety of useful skills, including researching, presenting arguments and identifying key facts.

History qualifications are highly valued by employers, colleges and universities and can help you into various careers, including law, journalism, politics, research, teaching, administration and the civil service.

In Higher History you will study three units, as well as research a project topic of your choice:

- Scottish Wars of Independence, 1249-1328
- Britain 1851-1951
- Germany 1815-1939



KEY SKILLS	JOB FIT	CONNECTIONS
Researching complex issues	Journalism	Modern Studies
Analysing different factors	Civil service	Economics
Evaluating and making decisions	Banks and business	Business Studies
Communicating and making arguments	Law	English
Independent learning and working	Teaching	Politics



ENTRY

Progression from National 5 History, or an equivalent subject



Progression to Advanced Higher History or Higher Modern Studies

Useful links

SQA - <http://www.sqa.org.uk/sqa/47923.html>

Mr Marr History - <https://mrmarrhistory.wordpress.com/higher/>

HISTORY – N7

WHAT'S IT ALL ABOUT?

Studying History obviously teaches you more about the past but is essential to understanding the development of modern society. The study of history is a great way to learn various useful skills, including researching, presenting arguments, identifying key facts and decision making.

History qualifications are highly valued by employers, colleges and universities and can help you into various careers, including law, journalism, politics, research, teaching, administration and the civil service.

In Advanced Higher History you will study two units:

- **Germany: from democracy to dictatorship, 1918-1939**
- **A detailed research project based on the Germany topic**



KEY SKILLS	JOB FIT	CONNECTIONS
Researching complex issues	Journalism	Modern Studies
Analysing different factors	Civil service	Economics
Evaluating and making decisions	Banks and business	Business Studies
Communicating and making arguments	Law	English
Independent learning and working	Teaching	Politics



ENTRY

Progression from Higher History, or an equivalent subject



NEXT STEP

Progression to university or college courses in History or related subjects

Useful links

SQA - <http://www.sqa.org.uk/sqa/48466.html>

Mr Marr History - mrmarrhistory.wordpress.com/advanced-higher-history/

HOSPITALITY N4/5

WHAT'S IT ALL ABOUT?

Hospitality Practical Cookery develops a range of cookery skills and processes, as well as food preparation techniques. While 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 Assessment is made up of 3 units and a final assessment.

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

National 4 - Added value unit - produce a 2 course meal in 1 ½ hours

National 5 - Course assignment - Produce a 3 course meal in 2 ½ hours



KEY SKILLS	JOB FIT	CONNECTIONS
Researching	Chef	Health and Food Technology
Problem solving	Development Technologist	PE
Working Creatively	Catering assistant	Numeracy
Planning and organisation	Hospitality Industry	
Evaluation	HE Teacher	



ENTRY

Progression from BGE Level 4 - Hospitality or Health and Food technology



College courses in Hospitality or jobs/training in the Hospitality industry.

Useful links

<http://www.bbc.co.uk/food/techniques>

<http://www.bbcgoodfood.com/>

HUMAN BIOLOGY – N6

WHAT'S IT ALL ABOUT?

The Higher Human Biology Course enables learners to develop and apply knowledge and understanding of human biology, and an understanding of its role in scientific issues and relevant applications of human biology, including their impact on society and the environment. This course consists of two full units and two half units: Unit 1 Immunology and Public Health ($\frac{1}{2}$); Unit 2 Neurobiology and Communication ($\frac{1}{2}$); Unit 3 Human Cells; Unit 4 Physiology and Health. Internally assessed components include a practical investigation and an assignment (worth 17% of the final exam mark). These will also form the basis of any final award. There will be two prelims, one to cover Units 1, 2 and 3 in January and another near Easter to cover Unit 4. There is a misconception that Higher Human Biology is a requirement for health based courses at university. This is not the case as both Highers carry the same tariff points for any university course.

KEY SKILLS	JOB FIT	CONNECTIONS
Investigative skills	Doctor	Chemistry
Scientific Enquiry Skills	Forensic scientist	Physics
Analytical and Evaluation Skills	Dietician	Mathematics
Communication Skills	Physiotherapist	Psychology
Researching	Nurse	English



ENTRY

National 5 Biology (A/B pass strongly advised)



Progression to CfE Advanced Higher Biology or further education at college or university

Useful links

<http://www.sqa.org.uk/sqa/47915.html>

LIFESKILLS MATHEMATICS – N4

WHAT'S IT ALL ABOUT?

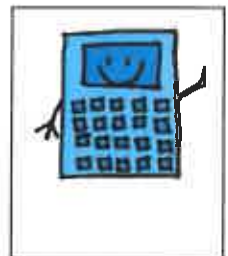
National 4 Lifeskills Mathematics course involves applying mathematical ideas and strategies to managing finance, statistics, geometry and measurement in straightforward real-life contexts.

The aim of the course is to develop confidence and independence in handling information and mathematical tasks in both personal life and in the workplace.

The learner must pass three units followed by a final Added Value Unit. The units are: *Geometry and Measure, Finance and Statistics and Numeracy*. The Added Value assessment comprises of both a calculator and non-calculator section.



KEY SKILLS	JOB FIT	CONNECTIONS
Budgeting	Retail & Marketing	Science
Decision Making	Banking & Commerce	Business
Problem Solving	Administration	Home Economics
Calculating Data	Manual Trades	DET
Numerical Analysis	Self-employment	Computing



ENTRY

Progression from
BGE Level 3 in
Maths or
National 3
Lifeskills
Mathematics



Progression to National
4 Maths and Personal
Finance.

Useful links

BBC Bitesize: National 4 Lifeskills
<http://www.sqa.org.uk/sqa/47416.html>
www.mathsworkout.co.uk

MATHEMATICS – N4

WHAT'S IT ALL ABOUT?

The National 4 Mathematics Course enables learners to select and apply straightforward mathematical skills in a variety of mathematical and real-life situations. Learners interpret, communicate and manage information in mathematical form.




The National 4 course is designed to enable pupils to model real-life situations and make connections and informed predictions. It aims to equip pupils with the skills we need to interpret and analyse information, simplify and solve problems, assess risk and make informed decisions.

The learner must pass three units followed by a Added Value Unit. The units are Numeracy, Expressions & Formulae and Relationships.

The Added Value Unit consists of two papers:

Paper 1: Non-calculator - 14-16 marks (20 minutes)

Paper 2: Calculator - 29-31 marks (40 minutes)

KEY SKILLS	JOB FIT	CONNECTIONS
		
Numeracy	Bookkeeping Retail	Business Studies Home Economics
Budgeting	Self-employment	Business Studies
Analysing data	Management Marketing	Modern Studies
Decision making skills	Construction	Technical



ENTRY

Progression from
Nat 3/4 Lifeskills
Mathematics or
relevant experiences
and outcomes at
Level 3.



Progression to
National 5
Mathematics.

Useful links ▶

<http://www.sqa.org.uk/sqa/45751.html>

www.mathsworkout.co.uk

<http://www.bbc.co.uk/education/subjects/zyc76sg>

www.edmdo.com

MATHEMATICS – N5

WHAT'S IT ALL ABOUT?

The course aims to motivate and challenge learners by enabling them to select and apply straightforward mathematical skills in a variety of mathematical and real-life situations. Pupils will develop confidence in the subject and a positive attitude towards further study in Mathematics. Learners will be enabled to use numerical data and abstract terms and develop the idea of generalisation. The course allows learners to interpret, communicate and manage information in mathematical form; skills which are vital to scientific and technological research and development. The course also aims to develop the learner's skills in using mathematical language and to explore straightforward mathematical ideas, develop skills relevant to learning, life and work in an engaging and enjoyable way.

The learner must work through three units and pass a final course assessment. The units are: Relationships, Expressions & Formulae and Applications.

The course assessment consists of two papers:

Paper 1: Non-calculator - 40 marks (1 hour)

Paper 2: Calculator - 50 marks (1 hour 30 minutes)



KEY SKILLS	JOB FIT	CONNECTIONS
Numeracy	Engineering	Science
Problem Solving	Finance	I.T.
Analytical Skills	Research Scientist	Business Ed.
ICT skills	Retailing	
Confidence	Education	



Progression from Nat 4 Maths or 4th level in BGE.



A good pass at NAT 5 can lead to progression into NAT 6 (Higher) in S5 and NAT 7 (Advanced Higher) in S6.

Useful links

www.bbc.co.uk/education/subjects/ztrjmp3 www.edmodo.com
http://www.mathsrevision.com/index_files/National5.htm
www.mathsworkout.co.uk <http://www.sqa.org.uk/sqa/47419.html>

MATHEMATICS – TWO YEAR HIGHER

WHAT'S IT ALL ABOUT?

The course is an in-depth study of mathematical concepts and the ways in which mathematics describes our world. It will build upon and extend mathematical learning in the areas of algebra, geometry and trigonometry and will introduce elementary calculus. Learners will be able to understand and use a range of complex mathematical concepts and relationships. They will develop mathematical reasoning skills to extract and interpret information, think logically and provide justification; skills which are vital to scientific and technological research and development.

The two year Higher course provides pupils with the opportunity to build on the essential skills necessary to take on the demands and complexity of the Higher. It will also focus on building up the reasoning skills of pupils. **Year 1:** Pupils will concentrate on essential skills development and the completion of the first two SQA units.

Year 2: Pupils complete the third and final SQA unit and then concentrate on exam standard questions and techniques.

KEY SKILLS	JOB FIT	CONNECTIONS
Analysing problems	Engineering	Physics
Thinking logically	Aerospace	Chemistry
Problem solving skills	Architecture	Biology
Communication skills	Computer games design	Design & Technology
Evaluation	Finance	



Progression from
NAT5 Maths
grade C



Progression to
Advanced Higher
Maths and/or
Advanced Higher
Mechanics

Useful links

- <http://scholar.hw.ac.uk/>
- <http://www.sqa.org.uk/sqa/47910.html>
- <http://www.hsn.uk.net/>
- www.edmodo.com

MATHEMATICS – N6

WHAT'S IT ALL ABOUT?

The course is an in-depth study of mathematical concepts and the ways in which mathematics describes our world. It will build upon and extend mathematical learning in the areas of algebra, geometry and trigonometry and will introduce elementary calculus. Learners will be able to understand and use a range of complex mathematical concepts and relationships. They will develop mathematical reasoning skills to extract and interpret information, think logically and provide justification; skills which are vital to scientific and technological research and development.

The learner must pass three units followed by a final course assessment. The units are: Relationships & Calculus, Expressions & Functions and Applications.

The course assessment consists of two papers:

Paper 1: Non-calculator - 60 marks (1 hour 10 minutes)

Paper 2: Calculator - 70 marks (1 hour 30 minutes)

KEY SKILLS	JOB FIT	CONNECTIONS
Analysing problems	Engineering	Physics
Thinking logically	Aerospace	Chemistry
Problem solving skills	Architecture	Biology
Communication skills	Computer games design	Design & Technology
Evaluation	Finance	



Progression from
NAT5 Maths
(grade A or B)



Progression to
Advanced Higher
Maths and/or
Advanced Higher
Mechanics

Useful links

<http://scholar.hw.ac.uk/>

<http://www.sqa.org.uk/sqa/47910.html>

<http://www.hsn.uk.net/>

www.edmodo.com

MATHEMATICS – N7

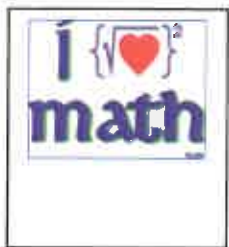
WHAT'S IT ALL ABOUT?

Advanced Higher Mathematics enables learners to select and apply complex mathematical techniques in a variety of mathematical situations.

The course will allow learners to develop further skills in calculus and algebra. New areas of study will include number theory, complex numbers and matrices, all of which have real-life applications in the world of work.

The learner must pass three units followed by a final course assessment. The units are: Applications of Algebra & Calculus, Methods in Algebra & Calculus, and Geometry, Proof & Systems of Equations.

The course assessment is single calculator paper – 100 marks (3 hours)



KEY SKILLS	JOB FIT	CONNECTIONS
Problem Solving	IT	Computing
Numerical Analysis	Finance	Finance
Logical Reasoning	Engineering	DET
Decision Making	Science & Medicine	Science
Identifying Problems	Architecture	



ENTRY

Progression from Higher Mathematics grades A or B.



University, future career path.

Useful links

Scholar: www.scholar.hw.ac.uk

www.edmodo.com

<http://www.sqa.org.uk/sqa/48507.html>

MODERN LANGUAGES – N4/5

WHAT'S IT ALL ABOUT?

Learning other languages enables you to make connections with different people and their cultures. It helps you to communicate your thoughts and feelings and develop the skills of listening, talking, reading and writing which are essential for learning, work and life. You will use different media for learning and communication and will get a deeper understanding of how language works. Learning another language can help you understand your own language better.

You can study French and Spanish, at National 4 or 5 level. There are four contexts Society, Learning, Employability and Culture. In National 4 and 5 you will be assessed in two units: Understanding Language and Using Language. In National 4 you will also complete an Added Value Unit which will bring together the four skills of Reading, Listening, Talking and Writing. At Nat 5 level you will complete two exam papers and a Talking performance.

KEY SKILLS	JOB FIT	CONNECTIONS
Working with others	Engineering	English
Communication	Education	Business subjects
Problem solving	Translating & Interpreting	History and Modern Studies
Production of language	Law	Science, ICT and Technologies
Effective listening skills	Hospitality & Tourism	Music
Critical thinking	Business and finance	Hospitality



Nat 4: National 3 or Level 4 of ML outcomes

Nat 5: Pass at National 4



Progression to National 5 or Higher French or Spanish

Useful links ▶

<http://www.languageswork.org.uk/>

<http://www.whystudylanguages.ac.uk>

www.scilt.org.uk

MODERN LANGUAGES – N6

WHAT'S IT ALL ABOUT?

You can study French and Spanish at Higher level. There are four contexts Society, Learning, Employability and Culture.

Modern Languages Courses are explored through the following areas of study: Understanding Language and Using Language. Through these units of study, learners will develop specific skills for learning, skills for life and skills for work. Learners will develop these skills and techniques in context and they will be made aware of the skills they are developing and of their transferability to further study or the world of work.

To achieve the Higher Course, learners must pass all of the required Units and the Course assessment. The Course assessment will consist of two Components: a Coursework performance (Talking) and two question papers (1. Reading and Translation, Directed Writing, 2. Listening and Personal response Writing).

KEY SKILLS	JOB FIT	CONNECTIONS
Working with others	Engineering	English
Communication	Education	Business subjects
Problem solving	Translating & Interpreting	History and Modern Studies
Production of language	Law	Science, ICT and Technologies
Effective listening skills	Hospitality & Tourism	Music
Critical thinking	Business and finance	Hospitality



National 5 Modern Languages Course or relevant component Units.



Other SQA qualifications in Modern Languages or related areas e.g. Advanced Higher or further study, employment and/or training

Useful links

<http://www.languageswork.org.uk/>

www.scilt.org.uk

<http://www.whystudylanguages.ac.uk>

MODERN LANGUAGES – N7

WHAT'S IT ALL ABOUT?

You can study French and Spanish at Advanced Higher level. Advanced Higher courses develop advanced skills of reading, listening, talking and writing, in order to understand and use a modern language. You will also develop advanced language skills of translation, and apply knowledge and understanding of a modern language to a range of contexts.

There are three areas of study: Understanding Language, Using Language and a Specialist Study (based on film and literature). You will develop specific skills for learning, skills for life and skills for work. You will develop these skills and techniques in context and will be made aware of their transferability to further study or the world of work.

To achieve the Advanced Higher Course, learners must pass all of the required Units and the Course assessment. The Course assessment will consist of four Components: a performance (Talking), two question papers (1. Reading and Translation, Directed Writing, 2. Listening and Discursive Writing), and a portfolio on the Specialist Study.

KEY SKILLS	JOB FIT	CONNECTIONS
Working with others	Engineering	English
Communication	Education	Business subjects
Problem solving	Translating & Interpreting	History and Modern Studies
Production of language	Law	Science, ICT and Technologies
Effective listening skills	Hospitality & Tourism	Music
Critical thinking	Business and finance	Hospitality
Research		



ENTRY

Higher 5 Modern Languages Course or relevant component Units



Further education, Higher education or careers in various sectors

Useful links

<http://www.languageswork.org.uk/> <http://www.whystudylanguages.ac.uk>
www.scilt.org.uk

MODERN STUDIES – N4/5

WHAT'S IT ALL ABOUT?

Modern Studies is the social, political and economic study of local, national and international issues. This course aims to enhance our students understanding of the world around them and their place in it. Additionally, Modern Studies students will have the opportunity to enhance their skills in relation to the analysis and evaluation of source material as well as developing their research skills.

Modern Studies qualifications are highly valued by employers, colleges and universities and can help you into various careers, including law, journalism, politics, research, teaching, administration and the civil service.

In National 4/5 Modern Studies you will study three units, as well as an Added Value assignment:

The Higher Study Themes are:

- Political Issues - Democracy in Scotland.
- Social Issues - Crime and the Law.
- International Issues - World Power-The USA.



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis & Synthesis Skills	Law	English
Evaluation Skills	Journalism	History
Critical Thinking	Media	Politics
Research Skills	Teaching	Sociology
Communication Skills	Police	Economics



ENTRY

Progression from
BGE Level 4
Modern Studies



Progression to
Higher Modern
Studies and/or
History



Useful links

<http://www.sqa.org.uk/sqa/45629.html>

<https://belmontmodernstudies.wordpress.com/national-45/>

MODERN STUDIES – N6

WHAT'S IT ALL ABOUT?

Modern Studies is the social, political and economic study of local, national and international issues. This course aims to enhance our students understanding of the world around them and their place in it. Additionally, Modern Studies students will have the opportunity to enhance their skills in relation to the analysis and evaluation of source material as well as developing their research skills.

Modern Studies qualifications are highly valued by employers, colleges and universities and can help you into various careers, including law, journalism, politics, research, teaching, administration and the civil service.

In Higher Modern Studies you will study three units, as well as an Added Value assignment:
The Higher Study Themes are:

- Political Issues - Democracy in the UK and Scotland.
- Social Issues - Social Inequalities in the UK.
- International Issues - World Issue Poverty.



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis & Synthesis Skills	Law	English
Evaluation Skills	Journalism	History
Critical Thinking Skills	Media	Politics
Research Skills	Teaching	Sociology
Communication Skills	Police	Economics



ENTRY

Progression from
National 5 Modern
Studies



Progression to
Advanced Higher
Modern Studies,
Higher Politics,
Higher Sociology
and/or History

Useful links

<http://www.sqa.org.uk/sqa/45629.html>

<https://belmontmodernstudies.wordpress.com/national-45/>

MODERN STUDIES – N7




WHAT'S IT ALL ABOUT?

Modern Studies is the social, political and economic study of local, national and international issues. This course aims to enhance our students understanding of the world around them and their place in it. Additionally, Modern Studies students will have the opportunity to enhance their skills in relation to the analysis and evaluation of source material as well as developing their research skills.

Modern Studies qualifications are highly valued by employers, colleges and universities and can help you into various careers, including law, journalism, politics, research, teaching, administration and the civil service.

In Advanced Higher Modern Studies you will study two units, as well as a Dissertation:
The Advanced Higher Study Themes are:

- Social Issues, Law & Order, & Research Methods - Understanding Criminal Behaviour
- Social Issues, Law & Order, & Research Methods - Responses by Society to Crime

KEY SKILLS	JOB FIT	CONNECTIONS
		
Analysis & Synthesis Skills	Law	English
Evaluation Skills	Journalism	History
Critical Thinking Skills	Media	Politics
Research Skills	Teaching	Sociology
Communication Skills	Police	Economics



ENTRY

Progression from
Higher Modern
Studies and
Higher Sociology



Progression to
University
Degree courses

Useful links ▶

<http://www.sqa.org.uk/sqa/48467.html>

MUSIC - N4/5

WHAT'S IT ALL ABOUT?

The Music course is split in to three main elements: Performing Skills, Composing Skills and Understanding Music.

Pupils are required to perform on two instruments or one instrument and voice .It is not a necessity to have instrumental tuition on these instruments as rehearsal time and coaching can be done in class with the class teacher. Pupils will be expected to prepare 8 minutes of music throughout the session. Pupils will perform to an external SQA examiner in February/March who will assess their live performance. This assessment is worth 60% of the pupil's final mark for National 5.

In the composing unit, pupils are given opportunities to experiment using music concepts and compositional methods taught in class, to produce their own pieces of work. Pupils will be given opportunities to use ICT to further develop their musical ideas.

Pupils cover a variety of genres in the understanding music unit including eras of music, rock/pop, music from around the world - including Scotland, as well as incorporating recognisable recent chart hits. Pupils are assessed both formally and informally in their ability to identify particular music concepts which have been taught in class when listening to music and be able to complete basic literacy questions. The final Understanding Music exam will take place in the exam diet May/June where pupils will answer a variety of questions to demonstrate their knowledge. This is worth the remaining 40% of their final National 5 mark.

This course makes a valuable contribution to your general education and personal development by providing you with the opportunity to develop interests that will enhance your quality of life. It also allows you to develop the skills and knowledge required if you wish to proceed to further study and/or follow a career in music.

KEY SKILLS	JOB FIT	CONNECTIONS
		
Communication Skills	Musician, Classical, Jazz, Pop	English
Effective Listening	Broadcasting, Media	History
Researching	Music Therapist	Physics
Time Management	Music Management	Drama
Working Creatively	Teaching	



ENTRY

Progression from
BGE Level 4 in
Music



Progression to
Higher Music

Useful links

www.educationscotland.gov.uk/nqmusic

SQA website

MUSIC TECHNOLOGY – N5

WHAT'S IT ALL ABOUT?

The National 5 Music Technology Course enables learners to develop skills in the use of music technology hardware and software to capture and manipulate audio, and to use music technology creatively in sound production. The Course also enables learners to analyse a range of 20th and 21st century musical styles and genres, and to develop a broad understanding of the music industry.

The Music Technology consists of two components:-

Assignment

Pupils will complete an assignment using their technological and musical skills and knowledge to produce either a recording of a live performance using different types of microphones, a radio broadcast, a sound track for a film, TV themes, adverts or computer gaming. Pupils will learn how to plan their production, produce an audio master, keep a progress log and compile a report on their production. The assignment is submitted to SQA in March and is worth 70% of the pupil's final mark for National 5 Music Technology.

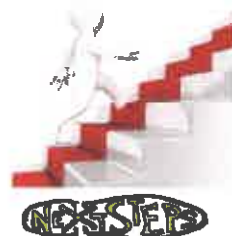
Question Paper

Pupils study 20th/21st Century musical styles and genres, music concepts and aspects of music technology. The question paper will be sat during the exam diet in May/June. This is worth the remaining 30% of their final National 5 mark.

KEY SKILLS	JOB FIT	CONNECTIONS
Communication Skills	Musician, Classical, Jazz, Pop	English
Effective Listening	Broadcasting, Media Production	History
Researching	Music Producer Studio Management	Physics
Problem Solving	Events Management	Technologies
Working Creatively	Teaching	Performance
ICT		



Progression from BGE Level 4 in Music



Progression to Higher Music Technology

Useful links

www.educationscotland.gov.uk/nqmusic

SQA website

MUSIC N6

WHAT'S IT ALL ABOUT?

The Music course is split in to three main elements: Performing Skills, Composing Skills and Understanding Music.

Pupils are required to perform on two instruments or one instrument and voice .It is not a necessity to have instrumental tuition on these instruments as rehearsal time and coaching can be done in class with the class teacher. Pupils will be expected to prepare 12 minutes of music throughout the session. Pupils will perform to an external SQA examiner in February/March who will assess their live performance. This assessment is worth 60% of the pupil's final mark for Higher.

In the composing unit, pupils are given opportunities to experiment using music concepts and compositional methods taught in class, to produce their own pieces of work. Pupils will be given opportunities to use ICT to further develop their musical ideas.

Pupils cover a variety of genres in the understanding music unit including eras of music, rock/pop, music from around the world - including Scotland, as well as incorporating recognisable recent chart hits. Pupils are assessed both formally and informally in their ability to identify particular music concepts which have been taught in class when listening to music and be able to complete basic literacy questions. The final Understanding Music exam will take place in the exam diet May/June where pupils will answer a variety of questions to demonstrate their knowledge. This is worth the remaining 40% of their final Higher Music mark.



KEY SKILLS	JOB FIT	CONNECTIONS
Communication Skills	Musician, Classical, Jazz,Pop	English
Effective Listening	Broadcasting, Media	History
Researching	Music Therapist	Physics
Time Management	Music Management	Drama
Working Creatively	Teaching	



ENTRY

Progression from
National 5 award in
Music



Progression to
Advanced Higher Music

Useful links ▶

www.educationscotland.gov.uk/nqmusic

SQA website

MUSIC – N7

WHAT'S IT ALL ABOUT?

The Music course is split in to three main elements: Performing Skills, Composing Skills and Understanding Music.

Pupils are required to perform on two instruments or one instrument and voice .It is not a necessity to have instrumental tuition on these instruments as rehearsal time and coaching can be done in class with the class teacher. Pupils will be expected to prepare 18 minutes of music throughout the session. Pupils will perform to an external SQA examiner in May who will assess their live performance. This assessment is worth 60% of the pupil's final mark for Advanced Higher.

In the composing unit, pupils are given opportunities to experiment using music concepts and compositional methods taught in class, to produce their own pieces of work. Pupils will be given opportunities to use ICT to further develop their musical ideas.

Pupils cover a variety of genres in the understanding music unit including eras of music, rock/pop, music from around the world - including Scotland, as well as incorporating recognisable recent chart hits. Pupils are assessed both formally and informally in their ability to identify particular music concepts which have been taught in class when listening to music and be able to complete basic literacy questions .Pupils are required to produce a project on two pieces they have studied and analysed. This can be in the form of a report, blog or dissertation. The final Understanding Music exam will take place in the exam diet May/June where pupils will answer a variety of questions to demonstrate their knowledge. This is worth the remaining 40% of their final Advanced Higher Music mark.



KEY SKILLS	JOB FIT	CONNECTIONS
Communication Skills	Musician, Classical, Jazz,Pop	English
Effective Listening	Broadcasting, Media	History
Researching	Music Therapist	Physics
Time Management	Music Management	Drama
Working Creatively	Teaching	



ENTRY

Progression from
Higher award in
Music



NCSE STEP

Progression to Further
Education Courses in
Music Performance and
Composition

Useful links ▶

www.educationscotland.gov.uk/nqmusic

SQA website

PHOTOGRAPHY – N6

WHAT'S IT ALL ABOUT?

This course is suitable for all students with an interest in photography. This course encourages you to be inspired and challenged by visually representing your personal thoughts and ideas through the medium of photography. You will plan, develop and produce a portfolio of imaginative photographs based on a theme of your choice.

The aims of the course are to:

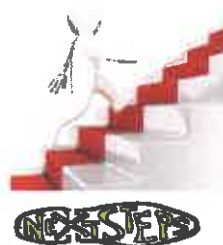
- communicate personal thoughts, feelings and ideas using photography
- develop technical and creative skills in using photographic media, techniques and processes
- develop knowledge and understanding of a range of photography practice
- develop skills in problem solving, critical thinking and reflective practice
- analyse the impact of social and cultural influences on photographers and their work
- produce a personal and creative portfolio of work
- become critically self-reflective and an independent learner
- evaluate your own work and that of other photographers

Students must be aware that the majority of the course is practical and they will be expected to take photographs in their own time, there is however a large written element to the course. Students will have to use their initiative in working independently, completing homework and meeting deadlines.

KEY SKILLS	JOB FIT	CONNECTIONS
Analytical	Photographer	English
Problem Solving	Journalist	Art and Design
Critical Thinking	Graphic designer	Computing
Time Management	Animator	Graphic Communication
IT Skills		



A prior education at Nat4/5 or Higher would be preferable in order to have a stronger understanding of the importance of composition within Photography.



Advanced Higher

Useful links ▶

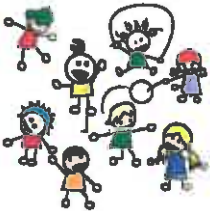
<http://www.sqa.org.uk/sqa/47896.html>

PHYSICAL EDUCATION – N4/5

WHAT'S IT ALL ABOUT?

In National 4/5 Physical Education pupils will experience a range of team and individual activities. The theoretical aspect of the course focuses on the Physical, Mental, Social and Emotional factors and pupils will learn how to apply these to their own and others performance. Throughout the year pupils will learn how to collect data on their performance, create and carry out approaches to improve it and how to monitor and evaluate their progress. An average week consists of 5 periods, with two of these being in the classroom.

To pass the N4 course each pupil must complete a Factors Impacting Performance theory unit and pass all outcomes in two activities, including an Added Value unit. As well as the above, N5 candidates will also complete a One-off Performance in an activity of their choice, including a written plan and evaluation of this single performance (worth 60%) and a portfolio, which is submitted to the SQA (worth 40%).



KEY SKILLS	JOB FIT	CONNECTIONS
Analysing data	PE Teacher	Psychology
Communication skills	Sports & fitness industry	English
Evaluation	Sports Psychologist	Human Biology
ICT skills	Physiotherapy	
Working with Others	Sports journalism	



Progression from BGE Level 4 in PE and English



Progression to National 6 PE and Community Sports Leader



Useful links ▶

PHYSICAL EDUCATION – N6

WHAT'S IT ALL ABOUT?

In National 6 Physical Education pupils will experience badminton, hockey and volleyball. The theoretical aspect of the course focuses on the Physical, Mental, Social and Emotional factors and pupils will learn how to describe, explain and analyse these in relation to their own and others performance. Throughout the year pupils will learn how to collect data on their performance, create and carry out approaches to improve it and how to monitor and evaluate their progress. An average week consists of 5 periods, with two of these being in the classroom.

To pass this course each pupil must complete a Factors Impacting Performance theory unit and pass all outcomes in two activities. The course assessment consists of a One-off Performance in an activity of their choice, including a written plan and evaluation of this single performance (60%) and a written, one and a half hour exam from the SQA (40%).



KEY SKILLS	JOB FIT	CONNECTIONS
Thinking Critically & Creatively	PE Teacher	Psychology
Communication skills	Sports & fitness industry	English
Analysing & Evaluating Data	Sports Psychologist	Human Biology
Problem Solving Skills	Physiotherapy	
Working with Others	Sports Journalism	



Progression from National 5 PE and National 5 English.



Progression to Community Sports Leader.

Useful links ▶

PHYSICS – N4/5

WHAT'S IT ALL ABOUT?

Physics is the science which seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies.

The course will build upon your knowledge in areas such as waves, forces and energy to include space, cosmology, radiation, electricity and matter. You will also learn about some of the contributions that physics has made to modern society and real world applications of physics in medicine, transport, communications and the energy sector.

As well as developing your numeracy, literacy and team working skills, it will develop your problem solving ability. The skills developed studying physics are useful far beyond the laboratory, and are valued in a vast range of careers. These transferable skills are highly sought after by universities and employers. An understanding of physics is important for jobs in wide range of areas from science, engineering and medicine to finance and law. Physics graduates are among the highest paid and most employable of any graduates.

KEY SKILLS	JOB FIT	CONNECTIONS
Problem Solving	Science	Maths
Investigative Skills	Engineering	Chemistry
Critical Thinking	Medicine	Biology
Communication	Finance	Practical Electronics
Working with others	Law	Geography



ENTRY

You must have taken L4 Physics in S3.

4C / 4S = Nat 5 Physics

4D = Nat 4 Physics



Pupils need a good C (Band 5) pass or more at N5 Physics to gain entry into
CfE Higher Physics

Useful links

<http://www.physics.org/careers>

<http://sixtysymbols.com/>

<https://www.youtube.com/user/minutephysics>

PHYSICS – N6

WHAT'S IT ALL ABOUT?

At its heart, Higher Physics is about asking fundamental questions about nature and our universe and trying to answer them through experiment and theory.

This course is designed to build upon N5 and deepen your knowledge and understanding of the concepts of Physics and its important applications. Furthermore, your problem solving skills and other 21st century skills will be honed. The skills you develop in this course are highly desirable to universities and employers. Topics include Special Relativity, the expanding universe, wave-particle duality, spectra, and the Standard Model.

The course has 3 units:

- Unit 1: Our Dynamic Universe
- Unit 2: Electricity
- Unit 3: Particles & Waves

There is also a pair/group experimental investigation on a topical issue, e.g. LEDs, Fibre Optics, Exoplanets, Earthquakes, Wind Power etc., which develops skills like teamwork, communication, organisation and leadership.

KEY SKILLS	JOB FIT	CONNECTIONS
Problem Solving	Science	Maths
Investigative Skills	Engineering	Chemistry
Critical Thinking	Medicine	Biology
Communication	Finance	Computing
Working with others	Law	Geography



ENTRY

To join Higher Physics, you need at least a C band 5 from N5 Physics.



Pupils need a B (Band 4) pass or more at Higher Physics to gain entry into Advanced Higher Physics

Useful links

<http://www.physics.org/careers>

<http://sixtysymbols.com/>

<https://www.youtube.com/user/minutephysics>

PHYSICS – N7

WHAT'S IT ALL ABOUT?

At its heart, Physics is about trying to understand the world around us in all its beauty and glory; we ask fundamental questions about nature and the universe, and we try to answer them through experiment and theory.

This course builds on Higher Physics and increases your understanding of a wide range of concepts, including rotational dynamics, General Relativity, electromagnetism, stellar evolution and quantum mechanics. We foster an interest in current developments in physics and show the contribution that physics has made to our society. Furthermore, your problem solving skills and other 21st century skills (problem solving, critical analysis, team working, communication etc) will be honed. The skills you develop in this course are highly desirable to universities and employers.

The course has 3 units:

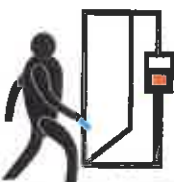
- Unit 1: Rotational Motion and Astrophysics
- Unit 2: Electromagnetism
- Unit 3: Quanta & Waves

The AH Physics pupil project helps to develop confidence and independent learning, and as such, is excellent preparation for university life and/or the world of work.

KEY SKILLS	JOB FIT	CONNECTIONS
Problem Solving	Science	Chemistry
Investigative Skills	Engineering	Maths
Critical Thinking	Medicine	Biology
Communication	Finance	Computing
Working with others	Law	Technical

For Advanced Higher, you need at least a B band 4 from Higher Physics.

- University
- College
- Apprenticeship
- World of Work



ENTRY



PROGRESSION

Useful links

<http://www.physics.org/careers>

<http://sixtysymbols.com/>

<https://www.youtube.com/user/minutephysics>

POLITICS – N6

WHAT'S IT ALL ABOUT?

Studying Politics will help you understand more about Parliament, Government, Democracy, Ideologies, Election Campaigns and Political Parties, but that's not all you will learn. The study of politics is a great way to learn a variety of useful skills, including researching, presenting arguments and identifying key facts.

Politics qualifications are highly valued by employers, colleges and universities and can help you into various careers, including law, journalism, politics, research, teaching, administration and the civil service.

In Higher Politics you will study three units, as well as research a project topic of your choice:

- Political Systems (UK and USA)
- Political Theory
- Political Parties and Elections



KEY SKILLS	JOB FIT	CONNECTIONS
Researching complex issues	Journalism	Modern Studies
Analysing different factors	Civil service	History
Evaluating and making decisions	Teaching	English
Making and justifying conclusions	Law	Business Studies
Independent learning and working	International Relations	Economics



Progression from Higher Modern or Higher History



Progression to Advanced Higher Modern Studies, or Higher History

Useful links ▶

SQA - <http://www.sqa.org.uk/sqa/47925.html>


UK Parliament - <http://www.parliament.uk/education/>

PRACTICAL CAKE CRAFT – N5

WHAT'S IT ALL ABOUT?

This course is available for S5 and S6 pupils only, it is not essential but would be beneficial to have completed Hospitality or Health and Food Technology at National 4/5 first. Practical Cake Craft is a practical and creative course which allows pupils to design creative cakes and learn practical skills in the production of these. Cake craft enables learners to develop a range of techniques and consolidate them through practical activities. Drawing on all aspects of design such as shape, colour, texture, balance and precision, learners are given the opportunity to produce a variety of individualised cakes and other baked items and to creatively interpret a design brief. It is also useful for improving manual dexterity, which is necessary in numerous occupations including occupations such as dentistry and medicine. The course has excellent links to the Scottish Hospitality industry which is a vibrant and growing industry.

Assessment: Learners undertake 2 units cake baking and cake finishing and complete a final practical assignment which makes up 100% of their grade.

KEY SKILLS	JOB FIT	CONNECTIONS
 Researching Problem solving Working Creatively Planning and organisation Evaluation	 Professional patisserie Chef Cake decorating business Catering HE Teacher	 Hospitality Health and food Technology Art and Design



ENTRY

S5/6 only
 National 5 -
 Hospitality/ Health
 and Food Technology
 or Equivalent.



Hospitality Courses or
 Units at SCQF level 6
 further study,
 employment and/or
 training

Useful links

<http://www.bbc.co.uk/food/techniques>

<http://www.bbcgoodfood.com/howto/guide/cake-decorating>

PRACTICAL ELECTRONICS – N4/5

WHAT'S IT ALL ABOUT?

Practical Electronics qualifications are practical and experiential in nature, and provide skills in, and understanding of, electronics and its impact on society and environment. The Courses provide a solid foundation for those considering further study or a career in electrical engineering, electronic manufacture and related disciplines, and offer a valuable complementary practical experience for those studying Design for Manufacture, Physics, Engineering Science or other science Courses.

The Course encourages learners to become successful, responsible and creative in their use of technologies.

This course has three units and a course assessment task.




- Circuit Design
- Circuit Simulation
- Circuit Construction

COURSE ASSESSMENT TASK, this is a final model in which the candidate must design, simulate and construct a circuit and use their developed skills to produce an artefact of high quality.



ENTRY

It is desirable that pupils have completed N5 in Woodworking or Metalworking, have N4 pass in Physics and Maths up to third year.
S5/6 students only.

KEY SKILLS	JOB FIT	CONNECTIONS
		
Problem Solving	Electrical Engineer	Physics
Decision making	Electronic Engineer	Maths
Communication	Construction	Computer Science
Manufacture	Fabrication	English
Working with numbers	Manufacturing	Environmental Science
	Sound Engineer	



NEXT STEP

Students could progress onto National Qualifications at National 5, Practical Woodworking, Metalwork, Physics.

Belmont Academy



Physics Department



D&T Dept.: <http://belmontacademydesigntechnology.weebly.com/metalworking.html>

Physics Dept.: <http://www.belmont.sayr.sch.uk/physics.html>

SQA Information page: <http://www.sqa.org.uk/sqa/46934.html>

Bitesize: <http://www.bbc.co.uk/education/topics/znxf9j6/resources/1>



Useful links ▶

PRACTICAL METALWORK – N4/5

WHAT'S IT ALL ABOUT?

This is a practical skills based course; it allows learners to develop skills in reading drawings and diagrams, measuring and marking out, as well as cutting, shaping and finishing materials. It allows them to learn how to work effectively alongside others in a shared workshop environment. The Course allows 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. This course would suit learners with an interest in crafts and practical manufacturing.

This course has three units and a course assessment task. NO exam in this subject.

- Bench Skills
- Fabrication and Thermal Jointing
- Machine and Finishing

COURSE ASSESSMENT TASK, this is a final model in which the candidate must read a working drawing and use their developed skills to produce an artefact of high quality.

Pupils must have a proven record of safe working practice from level 4 Technologies to enter this course at any level.



ENTRY

We look for pupils who enjoy the challenges of problem solving and get a buzz out of making models to meet a need, and of your personal design.

KEY SKILLS	JOB FIT	CONNECTIONS
Decision making	Construction	Maths
Communication	Fabrication	Environmental Science
Problem Solving	Project management	English
Manufacture	Manufacturing	Computer Science
Working with numbers	Enterprise	



Students will progress onto National Qualifications at National 5, Practical Woodworking or Electronics.



Department Web Page:

<http://belmontacademydesigntechnology.weebly.com/metalworking.html>

SQA Information page: <http://www.sqa.org.uk/sqa/46934.html>

Bitesize: <http://www.bbc.co.uk/education/topics/znxf9j6/resources/1>



Useful links

PRACTICAL WOODWORKING – N4/5

WHAT'S IT ALL ABOUT?

This course will give you a broad introduction to practical woodworking skills. You will learn the correct use of tools and equipment, and a range of materials, processes and techniques. And, you will be able to read and interpret diagrams, and work safely in a workshop-based setting. You will get to use some creative skills, and plan your activities through to completing a finished product in wood.

The skills you learn in this course will help you move into career areas such as Construction, joinery, carpentry, craft, engineering and manufacture.

This course has three units and a course assessment task. NO exam in this subject.




- Flat frame construction
- Carcase construction
- Machine and Finishing

COURSE ASSESSMENT TASK, this is a final model in which the candidate must read a working drawing and use their developed skills to produce an artefact of high quality.

Pupils must have a proven record of safe working practice from level 4 Technologies to enter this course at any level.



We look for pupils who enjoy the challenges of problem solving and get a buzz out of making models to meet a need, and of your personal design.

KEY SKILLS	JOB FIT	CONNECTIONS
		
Decision making	Construction	Maths
Communication	Fabrication	Environmental Science
Problem Solving	Project management	English
Manufacture	Manufacturing	Computer Science
Working with numbers	Enterprise	



Students will progress onto National Qualifications at National 5, Practical Metalworking or Electronics.



Department Web Page:

<http://belmontacademydesigntechnology.weebly.com/metalworking.html>

SQA Information page: <http://www.sqa.org.uk/sqa/46934.html>

Bitesize: <http://www.bbc.co.uk/education/topics/znx9j6/resources/1>



Useful links ▶

PSYCHOLOGY - N5

WHAT'S IT ALL ABOUT?

Psychology is the science of behaviour, and helps us to understand the relationship between the individual's biology, their environment and their behaviour. The course aims to enhance students' understanding of themselves and others, as well as developing their skills in applying sources, analysing aspects of behaviour and communicating ideas using appropriate psychological language.

There are three units: Individual Behaviour (Sleep & Dreams and Memory); Social Behaviour (Conformity and Nonverbal Communication) and Research. The Assignment is to design a research study following appropriate ethical guidelines, and this comprises 37.5% of the course assessment.



KEY SKILLS	JOB FIT	CONNECTIONS
Analytical skills	Medical and Health care	English
Communication skills	Teaching	Religious, Moral & Philosophical Studies
Critical thinking skills	Retail & marketing	Biology
ICT skills	Law	
Researching	Media	



Progression from BGE Level 4 in English, RMPS or Biology



Progression to Higher Psychology and/or Higher RMPS

Useful links ▶

<http://gcsepsychology.com>
www.mrsutherland.org

PSYCHOLOGY – N6

WHAT'S IT ALL ABOUT?

Psychology is the science of behaviour, and helps us to understand the relationship between the individual's biology, their environment and their behaviour. The course aims to enhance students' understanding of themselves and others, as well as developing their skills in applying sources, analysing aspects of behaviour and communicating ideas using appropriate psychological language.

There are three units: Individual Behaviour (Sleep, Dreams & Disorders and Atypical Behaviour); Social Behaviour (Conformity & Obedience and Prejudice) and Research. The Assignment is to design, carry out and write a scientific report on a research topic of the student's choice. This is conducted over a period of time and constitutes 40% of the overall course award.



KEY SKILLS	JOB FIT	CONNECTIONS
Analytical skills	Medical and Health care	English
Communication skills	Teaching	Religious, Moral & Philosophical Studies
Critical thinking skills	Retail & marketing	Biology
ICT skills	Law	
Researching	Media	



ENTRY

Grade A or B from National 5 in English, RMPS or Psychology.



Progression to Advanced Higher RMPS and/or a wide range of other courses.

Useful links

<http://www.simplypsychology.org>; <http://mindsandmodels.blogspot.co.uk>;
www.mrsutherland.org

RMPS N4/5

WHAT'S IT ALL ABOUT?

Religious, Moral & Philosophical Studies examines the beliefs and practices of religion; the means by which people make moral decisions and philosophical perspectives in addressing ultimate questions about life, death and the universe. The course aims to enhance students' understanding of themselves and others, as well as developing their skills in applying sources, analysing and evaluating alternative perspectives and communicating ideas coherently.

There are three units: World Religion (Judaism); Morality & Belief (Religion & Medicine) and Religious & Philosophical Questions (Origins). There is also an Added Value Unit which is completed under examination conditions as a piece of extended writing on an issue of the student's choice. This constitutes 25% of the overall course award.

KEY SKILLS	JOB FIT	CONNECTIONS
Analytical skills	Medical and Health care	English
Communication skills	Teaching	Psychology
Critical thinking skills	Retail & marketing	
Evaluating skills	Law	
Researching	Media	



ENTRY

Progression from BGE Level 4 in English and Religious & Moral Education.



Progression to Higher RMPS and/or Higher Psychology.

Useful links

<http://www.bbc.co.uk/schools/gcsebitesize/rs/>

www.mrsutherland.org

RMPS – N6

WHAT'S IT ALL ABOUT?

Religious, Moral & Philosophical Studies examines the beliefs and practices of religion; the means by which people make moral decisions and philosophical perspectives in addressing ultimate questions about life, death and the universe. The course aims to enhance students' understanding of themselves and others, as well as developing their skills in applying sources, analysing and evaluating alternative perspectives and communicating ideas coherently.

There are three units: World Religion (Christianity); Morality & Belief (Religion & Conflict) and Religious & Philosophical Questions (Evil & Suffering). There is also an Added Value Unit which is completed under examination conditions as a piece of extended writing on an issue of the student's choice. This constitutes 33% of the overall course award.

KEY SKILLS	JOB FIT	CONNECTIONS
Analytical skills	Medical and Health care	English
Communication skills	Teaching	Psychology
Critical thinking skills	Retail & marketing	
Evaluating skills	Law	
Researching	Media	



ENTRY

Grade A or B from National 5 in English, RMPS or Psychology



Progression to Advanced Higher RMPS and/or a wide range of other courses.

Useful links

<https://www.youtube.com/channel/UCMeamtftPen8I65NvSZTcRQ>

www.mrsutherland.org

RMPS – N7

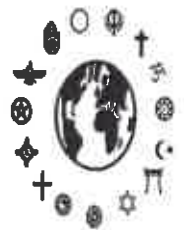
WHAT'S IT ALL ABOUT?

Advanced Higher Religious, Moral & Philosophical Studies examines how both religious and non-religious people can answer ultimate questions about the origins of the universe and, additionally, how successfully they can apply religious and/or philosophical principles to address issues surrounding embryo research, abortion, organ transplants, palliative care and euthanasia. There is no assumed prior knowledge of religion, philosophy or medicine and candidates without Higher RMPS have achieved 'A' grades.

There are three units: Philosophy of Religion; Medical Ethics and Research. For the Research component students will research and write a 4000 word dissertation on an issue of their choice. This constitutes 40% of the overall course award. The dissertation is academically challenging and, whilst ideal preparation for degree courses, students must have confidence in their motivation and writing ability.



KEY SKILLS	JOB FIT	CONNECTIONS
Analytical skills	Medical and Health care	English
Communication skills	Teaching	Psychology
Critical thinking skills	Retail & marketing	Religious, Moral & Philosophical Studies
Evaluating skills	Law	Biology
Researching	Media	



ENTRY

Grade A/B in Higher English, History or RMPS.



PROGRESSION

Progression to degree courses in arts, social sciences or medicine.

Useful links

<http://www.rsrevision.com/>

www.mrsutherland.org

SOCIOLOGY – N5

WHAT'S IT ALL ABOUT?

The study of sociology offers learners the opportunity to develop an understanding of society that goes beyond personal experience and common sense explanations. Learners are challenged to analyse **SOCIAL ISSUES, CULTURE & IDENTITY** from different points of view.

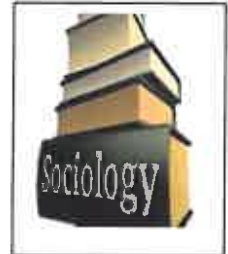
As a result of this course learners will become more confident individuals by developing the ability to analyse and communicate their own and others experiences of social life and views of the world.

There are three mandatory units:

- Human Society
- Culture & Identity
- Social Issues



KEY SKILLS	JOB FIT	CONNECTIONS
Analysis	Social Work	Modern Studies
Evaluation	Politics	History
Communication	Economics	English
Critical Thinking	Health Studies	Psychology
Problem Solving	Law	Politics



ENTRY

National 5
Modern Studies

National 5
History



Higher Sociology

Higher Modern
Studies

Higher Politics

Useful links ▶

<https://www.sqa.org.uk/sqa/47402.html>

SOCIOLOGY – N6

WHAT'S IT ALL ABOUT?

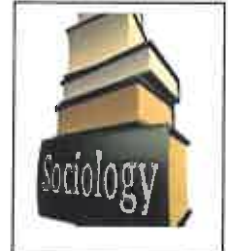
The study of sociology offers learners the opportunity to develop an understanding of society that goes beyond personal experience and common sense explanations. Learners are challenged to analyse **SOCIAL ISSUES, CULTURE & IDENTITY** from different points of view.

As a result of this course learners will become more confident individuals by developing the ability to analyse and communicate their own and others experiences of social life and views of the world.

There are three mandatory units:

- Human Society
- Culture & Identity
- Social Issues

KEY SKILLS	JOB FIT	CONNECTIONS
Analysis	Social Work	Modern Studies
Evaluation	Politics	History
Communication	Economics	English
Critical Thinking	Health Studies	Psychology
Problem Solving	Law	Politics



ENTRY

National 5
Modern Studies

Higher Modern
Studies



Higher Politics,
Advanced Higher
Modern Studies
College or
University

Useful links ▶

<http://www.sqa.org.uk/sqa/47903.html>

TRAVEL & TOURISM – N4/5

WHAT'S IT ALL ABOUT?

Travel & Tourism is a Skills for Work course which develops the skills, knowledge and attitudes, needed for work in the travel and tourism industry.

Course content:

Unit 1: Tourism in Scotland

Unit 2: Tourism in Europe and Worldwide

Unit 3: Employability

Unit 4: Customer Service

Assessment is via construction of a detailed folio. Candidates will have the opportunity to engage in local work experience in the tourism or hospitality sector.

KEY SKILLS	JOB FIT	CONNECTIONS
Conversational skills	Hospitality	Geography
Presentation	Catering	Business Mgmt
Decision making	Flight Attendant	
Researching	Travel Agency	
IT Skills	Events Management	



National 4 in
Geography or other
related subject



N4/5 Geography
N4/5 Business
Management

Useful links ▶

<http://www.sqa.org.uk/sqa/65337.html>

<http://www.itt.co.uk/>

Senior Course Choice Option Sheet (S4) 2017 – 2018

Pupil Name: _____ **Class:** _____

Column A		Column B		Column C		Column D		Column E		Column F	
Options below available to ALL Students (Column C – F)											
English	NAT 5	Maths	NAT 5	Art & Design	NAT 5	Administration & IT	NAT 5	Accounting	NAT 5 ONLY	Art & Design	NAT 5
English	NAT 4	Maths	NAT 4	Chemistry	NAT 5 ONLY	Business Management	NAT 5	Biology	NAT 5 ONLY	Biology	NAT 4
		Maths Lifeskills	NAT 4	Computing Science	NAT 5	Computing Science	NAT 5	Chemistry	NAT 4	Biology	NAT 5
				Environmental Science	NAT 5	Geography	NAT 5	Chemistry	NAT 5	Design & Manufacture	NAT 5
				History	NAT 5	Graphic Communication	NAT 5	French	NAT 5	Geography	NAT 5
				Health & Food Technology	NAT 5	History	NAT 5	Hospitality	NAT 5	Health & Food Technology	NAT 5
				Hospitality	NAT 5	RMPS	NAT 5	Metalwork	NAT 5	Music	NAT 5
				Modern Studies	NAT 5	Spanish	NAT 5	Modern Studies	NAT 5	Physical Education	NAT 5
				Music with Technology	NAT 5	Travel & Tourism	NAT 5	Physics	NAT 5 ONLY	Physics	NAT 4
				Physical Education	NAT 5	Woodworking	NAT 5	Psychology	NAT 5 ONLY	Physics	NAT 5
				Spanish	NAT 5	College courses Separate sheet					
				Woodworking	NAT 5						
				College Courses Separate sheet							
Subject PT Signature		Subject PT Signature		Subject PT Signature		Subject PT Signature		Subject PT Signature		Subject PT Signature	

Pupil Signature _____ **Parent/Carer Signature** _____ **Date** _____

PT Guidance Signature _____ **Date** _____

Comments Page

Pupil Comments:

Teacher Comment:

Parent / Carer Comments:

If you are intending to leave school, please write down your intended destination giving details.

College/University Employment Other Details

Senior Course Choice Option Sheet (S5 & S6) 2017 – 2018

Pupil Name: _____ **Class:** _____

Column A	Column B	Column C	Column D	Column E	Column F
Options below available to S6 ONLY (Columns A – F)					
Art & Design	AH	Biology	AH	Chemistry	AH
Computing Science	AH	Graph Communication	AH	History	AH
RMPS	AH	Design and Manufacture	Study	Modern Studies	AH
Study		Politics		Study	
		Study			
Options below available to S5 and S6 (Columns A – F)					
Maths	H	English	H	Accounting	H
Maths 2-yr Higher (YEAR 1)	2-yr H	English	NAT 5	Chemistry	H
Maths	NAT 5	Chemistry	NAT 5	French	NAT 5
Maths	NAT 4	Cyber Security	NPA	Maths	H
Business Management	H	Geography	H	Maths 2-yr Higher (YEAR 2)	2-yr H
Cakecraft	NAT 5	Health & Food Tech.	H	Modern Studies	H
History	H	Human Biology	H	Physics	H
Metalwork	NAT 5			Psychology	H
Sociology	H	Practical Electronics	NAT 5	Sports Leader Award	
		Spanish	H		
Subject PT Signature	Subject PT Signature	Subject PT Signature	Subject PT Signature	Subject PT Signature	Subject PT Signature

Pupil Signature _____ **Parent/Carer Signature** _____ **Date** _____

PT Guidance Signature _____ **Date** _____

S5/6 COLLEGE COURSES 2017 - 18

		Column C		Column D	
		Tues/Thurs pm		Mon/Wed pm	
		Performing Engineering Operations (2 year course)	SCQF Level 5	NPA Beauty & Hairdressing	SCQF Level 4
		SfW Early Education and Childcare	SCQF Level 5	SfW Early Education & Childcare	SCQF Level 4
		SfW Engineering Skills	SCQF Level 5	SfW Construction Crafts	SCQF Level 4
		Professional Cookery	SCQF Level 5	Bakery	SCQF Level 4
		Sport & Fitness (Football)	SCQF Level 5	SfW Construction Crafts	SCQF Level 5
		Art Portfolio and Life Drawing	SCQF Level 6	NPA Computer Games Development	SCQF Level 5
		Technical Theatre	SCQF Level 6	Higher Psychology	SCQF Level 6
		NPA Sound Production: Recording	SCQF Level 6		
		Advanced Media Studies	SCQF Level 7		
		Advanced Higher Biology	SCQF Level 7		
		Advanced Higher Chemistry	SCQF Level 7		

Pupil Comments:

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Teacher Comment:

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Parent / Carer Comments:

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If you are intending to leave school, please write down your intended destination giving details.

College/University Employment Other Details _____