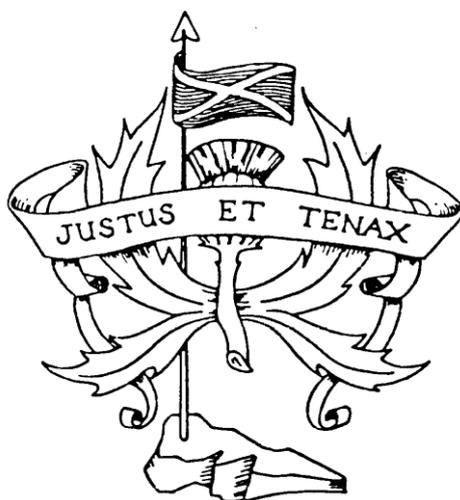


BOROUGHMUIR HIGH SCHOOL



INFORMATION ON S5 AND S6 COURSES FOR PERSONALISATION & CHOICE IN THE SENIOR SCHOOL

SESSION 2018 – 2019

Dear Parent/Pupil

S5/6 is about preparing for the next stage in your education and making you an attractive candidate for employment, training or further study. You need to remember you have a range of options and school is only one of them.

You will get the most from S5/6 if you have some idea of what you would like to achieve over the next couple of years (or next year).

If you need advice, speak to plenty of people including your parents/carers, family and friends, teachers, careers adviser etc. It is important you make informed decisions. Sometimes the information you get from one person will conflict with someone else's comments. That is okay, just look into things a little more to help make your mind up about the best path for you. Research is the key!

Remember you can use the My World of Work (MWOW) website to learn more about yourself, including where your strengths lie. You will get suggestions to help you explore your options, from school subjects through to changes in your career. You can search for courses, and get advice on UCAS and college applications. There is information on qualifications, volunteering, and funding – including SDS Individual Training Accounts. You can also use it to find job or Modern Apprenticeship vacancies. Then use the tips and tools for CVs, application forms and interviews to help you get it. Sign up for MWOW at <https://www.myworldofwork.co.uk/>

Our Careers Coach, Ms Murphy, is in school on a regular basis to provide careers information and advice. She can help students to:

- Choose subjects, considering interests and abilities
- Decide on a suitable career
- Apply for jobs or training places
- Apply to college or university courses
- Access the website *My World of Work* <http://www.myworldofwork.co.uk>

Students can request an interview through their guidance teacher to discuss their ideas and plans in detail.

The information contained in this booklet is designed to assist in the choice of an appropriate course for all pupils in S5/S6 in Boroughmuir High School. Further information will be presented on all aspects of Senior School Courses at the Parent Information Evening on 22 February 2018.

Note 1 - Key code for levels of course

NAT 5/NPA	Lilac
Higher	Light Blue
Advanced Higher/College	Mid Blue

Note 2 - The information contained in this booklet is accurate at the time of printing and is subject to change. Any subsequent changes will be announced to all pupils.

Note 3 - Courses which fail to achieve a viable number of pupils are subject to cancellation. In all cases parents and pupils will be informed and alternatives discussed. Higher classes must have a minimum of 15 pupils. Advanced Higher classes must have a minimum of 10 pupils.

The City of Edinburgh Council are currently reviewing the provision of Advanced Higher courses in schools and are likely to move to consortia arrangements where different schools offer different Advanced Highers. While this may result in not all Advanced Higher courses being offered at Boroughmuir, courses will be available at other schools/centres.

Note 4 - Pupils opting for a course provided by Edinburgh College should ensure they have selected a back-up option in school. Pupils can discuss with the Year Head where provision occurs across the city if some subjects are not offered at Boroughmuir. However, travel costs may have to be paid by the pupil as the school is not given a travel budget.

C Paterson
Depute Head Teacher S5/6



BOROUGHMUIR HIGH SCHOOL

FIFTH & SIXTH YEAR COURSES SESSION 2018 – 2019

SECTION	COURSE
INTRODUCTION	Post School Pathways Entry into S5 Entry into S6 Personal & Social Education in S5 and S6
SECTION 1 NATIONAL PROGRESSION AWARD NATIONAL 5	Applications of Mathematics Art & Design Award in Sports Leadership Biology Business Management Computing Science Creative Industries – Performance Art Design & Manufacture Digital Media Editing English Environmental Science Hospitality – Practical Cakecraft Hospitality – Practical Cookery Mathematics Media Studies Photography Physical Education Practical Woodworking
SECTION 2 HIGHER	Art & Design Biology Business Management Chemistry Computing Science Design & Manufacture Drama Economics Engineering Science English Geography Graphic Communication Health & Food Technology History Human Biology Mathematics Media Studies Modern Languages – French/German/Mandarin/Spanish Modern Studies Music Philosophy Physical Education Physics Religious, Moral and Philosophical Studies

<p style="text-align: center;">SECTION 3 ADVANCED HIGHER/S6 COURSES</p>	<p>Art & Design Biology Chemistry Computing Database Design and Programming (Oracle) Drama Engineering Science English Geography History Mathematics Mathematics of Mechanics Mathematics – Statistics Modern Languages – French/German/Spanish Modern Studies Music Physical Education Physics Scottish Science Baccalaureate Interdisciplinary Project</p>
<p style="text-align: center;">SECTION 4 SCHOOL/COLLEGE PARTNERSHIP COURSES</p>	<p>See Section Foundation Apprenticeships Queen Margaret Academies Other SCP School College Partnership</p>

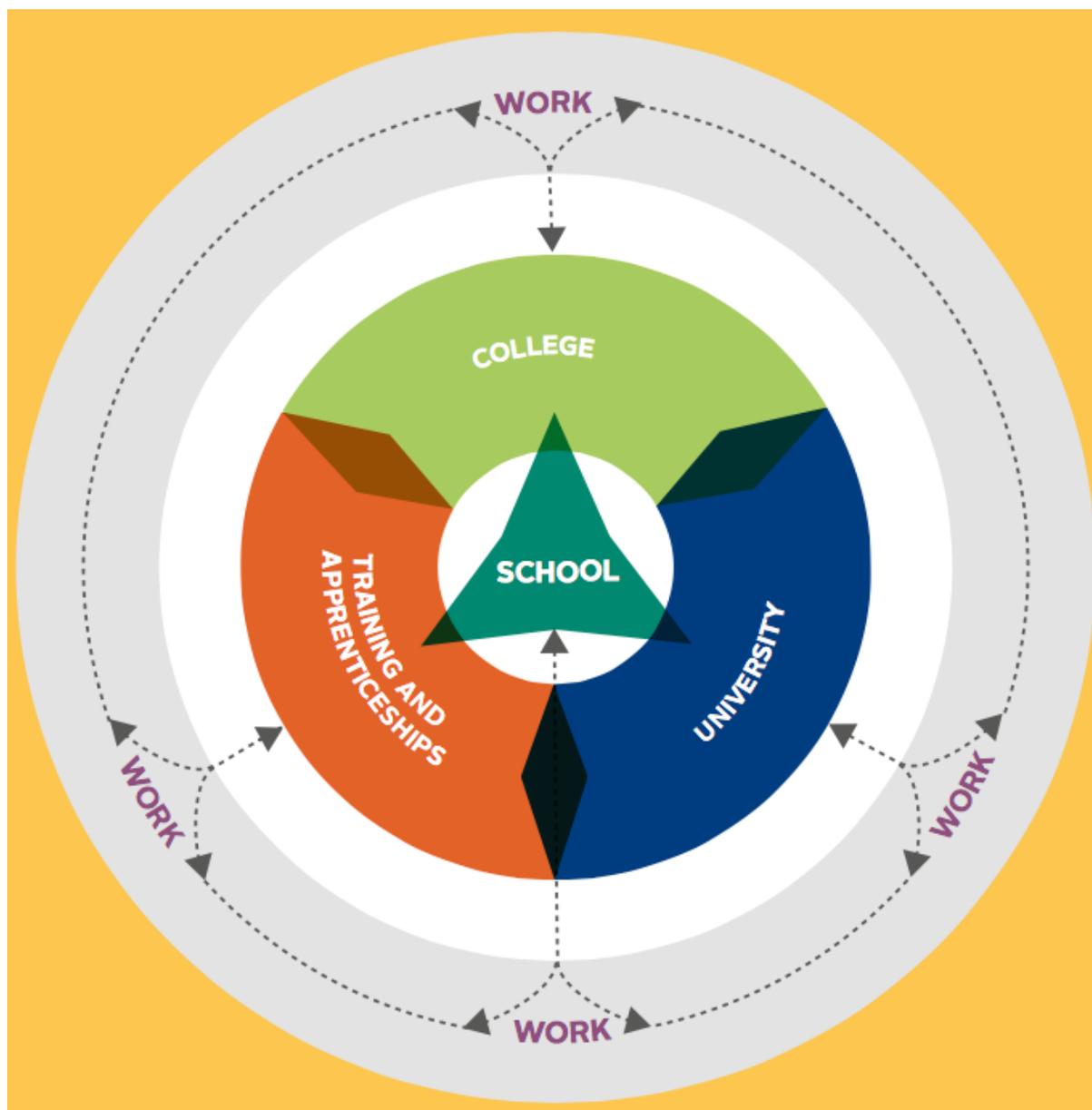
SCQF Level 4 → National 4
SCQF Level 5 → National 5
SCQF Level 6 → Higher

COLOUR KEYCODE:

SECTION 1 LILAC
SECTION 2 LIGHT BLUE
SECTION 3 + 4 MID BLUE

Post School Pathways

The diagram below has been reproduced from the *National Parent Forum Scotland* (NPFS) publication called *Career Education: A World of Possibilities*. The National Parent Forum produces a wide range of documents written in pupil and parent friendly language without jargon. This diagram reminds us that the ultimate goal for our young people is for them to find fulfilment and success in the world of work and that there are many different routes open to young people post school to continue their journeys as learners. There are many ways to enter the workplace, get a good job and have a successful career.



NATIONAL QUALIFICATIONS – A QUICK GUIDE

What are National Qualifications?

National Qualifications are one of three main groups of qualifications awarded by the SQA. The other two groups are Higher National qualifications (usually taken at college) and Scottish Vocational qualifications (work based qualifications).

The types of NQ that you will come across are:

- Advanced Higher
- Higher
- National 5
- National 4
- National Units
- National Progression Awards SCQF 2-6 aimed at assessing a set of skills and knowledge linked to vocational areas.

CfE National Qualifications – The current S4 are studying for these qualifications. The current S5 have these qualifications

National	Grade
5	A,B,C or D
4	Pass or Fail
3	Pass or Fail

National Units

National Units are the building blocks of National Courses. They are normally designed to take 40 hours of teaching to complete.

Higher

Highers are aimed particularly at pupils who have achieved a National 5 at A,B (C through discussion with CL).

Highers are normally needed for entry into university or college to study for degree or Higher National Certificate or Diploma courses (HNC's or HND's).

Advanced Higher

Advanced Highers are aimed at pupils who have passed Highers at Grade A or B, and are usually taken in sixth year of school. These courses extend the knowledge and skills gained at Higher and are useful for entry to university or employment.

National Progression Awards (NPA'S)

National Progression Awards are part of the SCQF and are delivered by schools and colleges and are useful qualifications to take into the workplace or further study. They allow pupils to accumulate units leading to the whole award without an external examination.

UNIVERSITY ENTRANCE

Scottish Universities

Generally they issue 'unconditional offers' based on Highers achieved in one sitting. A pupil may receive a 'conditional' offer based on additional Highers to be taken in S6. Some Universities will offer a place into the second year of a degree course based on good Advanced Higher results. Some universities use the UCAS tariff system. Please see below.

English Universities

Most appear to be issuing conditional offers based on three Advanced Higher passes at A grade.

All qualifications are part of the SCQF (Scottish Credit Qualifications Framework) as shown below.

UCAS TARIFF SYSTEM

Scottish Qualifications

Grade					Tariff points
Advanced Higher	Higher	Ungraded Higher	NPA PC Passport	Core Skills	
A					56
B					48
C					40
	A				33
D					32
	B				27
	C				21
			Pass	Pass	21
	D				15
				Higher	6

SCOTTISH CREDIT QUALIFICATIONS FRAMEWORK (SCQF)

SCQF Levels	SQA National Units, Courses and Group Awards	Higher Education (HE) Qualifications	SVQs
12		Doctorate	
11		Masters	SVQ 5
10		Honours degree	
9		Ordinary degree	
8		HND / Diploma of HE	SVQ 4
7	Advanced Higher	HNC / Certificate of HE	
6	Higher		SVQ 3

COLLEGE COURSES

Colleges offer a huge range of courses at a wide range of levels. They offer a range of vocational training and skills development that is not possible in a school. They have very specialised facilities that a school could never offer. The courses on offer are suitable for pupils with a small number of National 3/4 qualifications and those with good higher grades. They may offer qualifications you do not recognise, but these qualifications will be recognised and valued by employers. Colleges work closely with employers and universities to make sure their courses prepare young people well for the workplace or further study. College places can be very competitive with high calibre candidates applying for them. Edinburgh College is currently the biggest provider of students to the universities in Edinburgh.

MODERN APPRENTICESHIPS

A Modern Apprenticeship is all about learning while you work – and earning at the same time. There are a huge range of apprenticeships available to young people. Apprenticeships do cover the traditional ‘trades’ but much more besides.

Anyone aged 16 and over can become a Modern Apprentice. From day one you’ll:

- Have a real job, with a real employer that earns you real pay
- Gain skills and hands-on experience that employers value
- Work towards an industry-recognised qualification
-

Across Scotland over 25,000 people every year are taking the opportunity to get the skills and experience that count. There are over 80 types of apprenticeships including creative industries, energy, hospitality and tourism, construction, ICT and digital technologies and financial and business services.

More information can be found through the links below:

<https://www.myworldofwork.co.uk/getting-job/apprenticeships>

<https://www.npfs.org.uk/downloads/apprenticeships-in-a-nutshell/>

<http://apprenticeship.scot/>

<https://www.thequarantee.org/>

Apprenticeships can cover a huge range in terms of the demand they place on individuals. A Professional Apprenticeship at SVQ level 5 is equivalent to a Post Graduate Qualification or Masters Degree. You can see the equivalence of different qualifications overleaf:

THE SCOTTISH CREDIT AND QUALIFICATIONS FRAMEWORK

This Framework diagram has been produced to show the mainstream Scottish qualifications already credit rated by SQA and HEIs. However, there are a diverse number of learning programmes on the Framework, which, due to the limitations of this format, cannot be represented here. For more information, please visit the SCQF website at www.scqf.org.uk to view the interactive version of the Framework or search the Database.



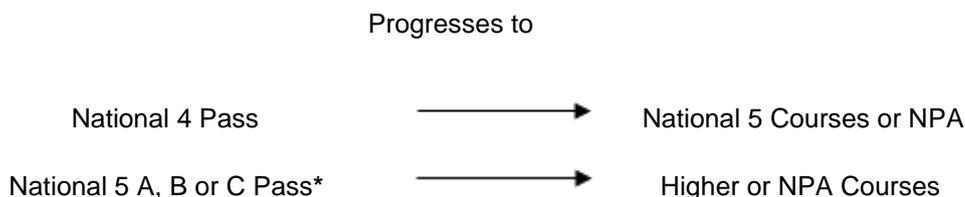
SCQF Levels	SQA Qualifications	Qualifications of Higher Education Institutions	Apprenticeships & SVQs
12		Doctoral Degree	Professional Apprenticeship
11		Masters Degree, Integrated Masters Degree, Post Graduate Diploma, Post Graduate Certificate	Graduate Apprenticeship Professional Apprenticeship SVQ
10		Honours Degree, Graduate Diploma, Graduate Certificate	Graduate Apprenticeship Professional Apprenticeship
9		Bachelors / Ordinary Degree, Graduate Diploma, Graduate Certificate	Graduate Apprenticeship Technical Apprenticeship SVQ
8	Higher National Diploma	Diploma Of Higher Education	Higher Apprenticeship Technical Apprenticeship SVQ
7	Advanced Higher, Awards, Scottish Baccalaureate	Certificate Of Higher Education	Modern Apprenticeship SVQ
6	Higher, Awards, Skills for Work Higher		Modern Apprenticeship Foundation Apprenticeship SVQ
5	National 5, Awards, Skills for Work National 5		Modern Apprenticeship SVQ
4	National 4, Awards, Skills for Work National 4	National Progression Award	SVQ
3	National 3, Awards, Skills for Work National 3		
2	National 2, Awards		
1	National 1, Awards		

S5 INFORMATION

The majority of pupils returning to S5 should be committed to following a FULL timetable of 28 periods per week. In some **exceptional circumstances** a pupil will do fewer.

Pupils who will not be 16 by 30 September 2018 **must either** return to school **or** investigate college courses which run from August-December 2018. Guidance staff will help complete application forms.

Course Choice Guidance for S4 Pupils



Subject Curriculum Leaders have provided proposed levels of study for pupils who may wish to continue studying the subject in S5 or S6 based on S4 performance.

Pupils must look carefully at the workload across their proposed 5 subjects before making their choice. The pace of learning and volume of assessment increases from their National course and many pupils find the demands of 4 or 5 Highers too great.

All pupils in general should try to avoid taking a subject at Higher level which they have not studied at National 5.

Once the SQA results are published in August re-coursing will take place with the Pupil Support Leaders and Mrs Paterson.

*A 'C' pass at National 5 may require negotiation with the subject Curriculum Leader. This is because in some subjects your chances of passing the Higher when you have a N5 'C' are not as good.

School/College Partnership

Most courses run on a Tuesday and Thursday afternoon in column E.

- The **Academies Programme** offers a great chance to get some vocational experience that will develop your understanding of the workplace and show employers, colleges or Universities that you have worked in a different environment to school. It will help you develop employability skills and help you to talk about what you can do. For more information, please see the back of the booklet.
- **Foundation Apprenticeships** offer 'on the job' training and are offered in a range of careers. Don't be misled by the title 'Foundation', these are great opportunities. They lead to qualifications equivalent to higher and are increasingly recognised by Universities as well as employers. Across Edinburgh, 100% of participants in last year's programme found either employment, training or a College/Uni place. A Foundation Apprenticeship can be great preparation for your next step after school, more information can be found on the Edinburgh College website. There are only 120 spaces for all of Edinburgh. These are excellent opportunities and well worth considering. The Foundation Apprenticeships available in Edinburgh are:

Creative and Digital Media	Information Technology: Software Development	Civil Engineering
Scientific Technologies	Financial Services	Business Skills
Engineering	Food and Drink Operations	Social Services: Healthcare, Childcare
Accountancy		

For more details regarding the entry requirements, please see the back of the booklet.

- Other SCP (School College Partnerships courses) are available for column E. Please see the back of this booklet.

ENTRY INTO S6

- Pupils progressing to University should think about studying an Advanced Higher subject in preparation for Year 1 degree level work.
- Pupils applying to an English University will require at least 2 Advanced Highers
- S6 provision will help pupils who need to improve on their existing Higher qualifications in order to have a realistic chance of gaining entry to University/College/Employment or a Modern Apprenticeship.
- A significant number of S5 pupils will find that employment or full time college courses at Higher National level are more appropriate than returning to S6.
- Pupils returning will be given help and advice on an **appropriate** course. This will be subject to change once their Higher results are available in August.
- Course Choice Guidance for S5 Pupils

Progresses to

NAT 5 Pass at A, B or C*	→	Higher Course
Higher Pass at A or B	→	Advanced Higher Course

Pupils returning for S6 must be capable of following one of the patterns of courses below. Pupils will not do more than 3 subjects unless in exceptional circumstances.

1. 2/3 Advanced Highers if considering an English University
 2. 2 Advanced Highers + combination of school based course or Higher/National 5
 3. 1 Advanced Higher + combination of Higher/National 5/
school based subjects
 4. 3 courses, combination of Highers/Nat5 + school based subjects
- Pupils must continue with their course of study from August through to the examination in May. Pupils will be required to sign a Senior School Agreement when they return in August.

*A 'C' pass at National 5 may require negotiation with the Curriculum Leader.

PERSONAL & SOCIAL EDUCATION IN S5 AND S6

All senior pupils will have a Guidance Teacher. He/she will have contact with this Guidance Teacher throughout the session. During this time Guidance staff will use the SEEMIS Tracking System to track pupil progress across all subjects and deliver a programme of Personal & Social Education covering Health and Careers issues. S6 pupils will complete appropriate post school applications for University/College or employment etc with the support of their guidance teacher, Careers Adviser and Year Head.

Course Applications of Mathematics

Level National 4

Entry Requirement S4 → S5	National 3 Applications of Mathematics and A recommendation from your S4 teacher
Entry Requirement S5 → S6	National 3 Applications of Mathematics and A recommendation from your S4 or S5 teacher

Progression Route: Pupils may progress to National 5 Applications of Mathematics from this course. National 4 Applications of Mathematics may be sufficient for your next step. It can serve as an entry requirement to a variety of college courses.

Course Format

Unit 1	MANAGING FINANCE AND STATISTICS (NAT 4)
Unit 2	GEOMETRY AND MEASURES (NAT 4)
Unit 3	NUMERACY (NAT 4)
	PREPARATION FOR APPLICATIONS OF MATHEMATICS TEST

Course Details

Managing Finance and Statistics (Nat 4) covers the use of mathematical ideas and strategies that can be applied to managing finance and statistics in straightforward real-life contexts. This includes budgeting, organising and presenting data to explain solutions and/or draw conclusions.

Geometry and Measures (Nat 4) covers the use of mathematical ideas and strategies that can be applied to geometry and measurement in straightforward real-life contexts. This includes using shape, space and measures to determine and explain solutions.

Numeracy (Nat 4) develops learners' numerical and information handling skills to solve straightforward real-life problems involving number, money, time and measurement, graphical data and probability. Learners will use their solutions to make and justify decisions.

Purpose: The course aims to

- motivate and challenge learners by enabling them to select and apply mathematical skills to tackle straightforward real-life problems
- develop confidence and a positive attitude towards the use of mathematics in straightforward real-life situations
- develop the learner's ability to use mathematical reasoning skills to assess risk, draw conclusions and explain decisions and to communicate mathematical information in an appropriate way

Homework: 1½ - 2 hours per week

Course Applications of Mathematics

Level National 5

Entry Requirement S4 → S5	National 4 Mathematics pass or National 4 Applications of Mathematics pass and a recommendation from your S4 teacher
Entry Requirement S5 → S6	National 4 Mathematics pass or National 4 Applications of Mathematics pass and a recommendation from your S4 or S5 teacher

Progression Route: National 5 Applications of Mathematics may be sufficient for your next step. It can serve as an entry requirement to a variety of higher and further education courses. It is **not possible** to progress to **Higher Mathematics** from National 5 Applications of Mathematics.

Course Format

Unit 1	MANAGING FINANCE AND STATISTICS
Unit 2	GEOMETRY AND MEASURES
Unit 3	NUMERACY
	PREPARATION FOR COURSE ASSESSMENT

Course Details

Managing Finance and Statistics (Nat 5) covers the use of mathematical ideas and valid strategies applied to managing finance and statistics in real-life contexts. This includes analysing financial positions, budgeting, organising and presenting data to justify solutions and/or draw conclusions.

Geometry and Measures (Nat 5) covers the use of mathematical ideas and valid strategies applied to geometry and measurement in real-life contexts. This includes analysing and using geometry and measures to determine and justify solutions.

Numeracy (Nat 5) develops learners' numerical and information handling skills to solve real-life problems involving number, money, time and measurement, graphical data and probability. Learners will use their solutions to make and justify decisions.

Purpose: The course aims to

- develop the learner's ability to select, apply, combine and adapt mathematical operational skills to new and unfamiliar situations in life and work and in a range of real-life situations
- develop the learner's ability to use mathematical reasoning skills to generalise, build arguments, draw logical conclusions, assess risk, make informed decisions
- communicate mathematical information in a variety of forms

Assessment: There is an external SQA exam which is graded. There are two question papers requiring candidates to demonstrate breadth, challenge and application in real-life contexts. One of the papers is non-calculator.

Homework: 1½ - 2 hours per week

Department**ART & DESIGN****Course**

Art & Design

Level

National 5

Entry Requirement S4 → S5	National 4 pass in Art & Design and at the discretion of Curriculum Leader
Entry Requirement S5 → S6	At the discretion of Curriculum Leader

Progression Route:

An A pass at National 5 can lead to studying Higher Art & Design or Higher Photography or employment or study within the Creative Industries

Course Format

	EXPRESSIVE ACTIVITY with Art Studies
	DESIGN ACTIVITY with Design Studies

Course Details

The Course has an integrated approach to learning, and includes a mix of practical learning and knowledge and understanding of art and design practice.

In the Course learners will draw upon their understanding of the main factors influencing artists' and designers' work and practice. They will experiment with, and use, a range of art and design materials, techniques and/or technology to develop their own creative art and design work. Learners will use problem solving skills and self-reflect on their creative choices and decisions when developing their creative ideas.

Art and Design: Expressive Activity (National 5)

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

Art and Design: Design Activity (National 5)

In this Unit learners will plan, research and develop creative design work in response to a design brief. They will develop their creativity, problem solving and critical thinking skills as they consider design opportunities, and work to resolve design issues and constraints. In the Unit, learners will develop critical understanding of designers' working practices and the main social and cultural influences affecting their work. They will experiment with, develop and refine their design ideas, using a range of materials, techniques and/or technology in 2D and/or 3D formats to develop a folio to present to the SQA for assessment.

Question paper: Pupils will sit a written exam (1 Hr 30 mins) responding to questions about Expressive and Design artwork.

Course assessment structure

Design folio – 100 marks

Expressive folio - 100 marks

Question paper – 50 marks

Total - 250 marks

Department**PHYSICAL EDUCATION****Course** Award in Sports Leadership**Level** SCQF Level 6

Entry Requirement S4 → S5	An active interest in Sport and Fitness. Must have an interest in working with and leading groups of children. Must be willing to volunteer in the local community.
Entry Requirement S5 → S6	As above

Progression Routes:

- Enhanced CV for a range of careers
- Paid employment in the Sports and Leisure Industry
- Volunteering opportunities
- Invaluable experience gained would enhance applications for entry into Higher Level Sports qualifications at college or university.

Course Format

DEVELOPING LEADERSHIP SKILLS THROUGH PRACTICAL AND THEORY UNITS with MANDATORY VOLUNTEERING UNITS OUTSIDE OF SCHOOL

Course Details

The SCQF Level 6 Award in Sports Leadership is a National Qualification, which will give you the opportunity to develop transferrable skills, and be of use to you in a sporting environment as well as preparing you for higher education and/or employment. This would also be an excellent addition to any CV as a key part of the course is volunteering and giving back in the local community.

The Course Content: The course combines both theory and practical elements, which will enable you to become a Higher Sports Leader. The course is designed to teach leadership skills through different physical activities to keep the course fun and interesting. The course is made up of a number of units, which will give you the chance to develop your organisation and planning skills, increase your ability to communicate in a number of different contexts, meet and work with new people in a volunteering role and overall develop your confidence by challenging you to a range of leadership tasks.

Assessment: The course requires you to complete the following units and to keep a 'Learner Evidence Record' that must be successfully completed for you to gain your qualification. A large part of the course includes volunteering and this requires you to be able to arrange your own placements. This is a great opportunity to specialise in sports that you enjoy. Assessment is ongoing throughout the year so there is no final exam. To gain the Level 6 Qualification in Sports Leadership you must complete the mandatory Units 1-4 and two units from Units 5-7:

Mandatory Course Units:

- 1 Developing *leadership skills*
- 2 Plan, lead and evaluate a sports/physical activity *event*
- 3 Lead *safe* sport/physical activity sessions
- 4 Plan, lead and evaluate sports/physical activity sessions for *children*
(10 hours in a local feeder primary school)

Volunteering Units: (choose two - 10 hours each)

- 5 Plan, lead and evaluate sports/physical activity sessions in the *community*
- 6 Plan, lead and evaluate sports/physical activity sessions for *disabled people*
- 7 Plan, lead and evaluate sports/physical activity sessions for *older people*

Department

BIOLOGY

Course Biology

Level National 5

Entry Requirement S4 → S5	National 4 pass in Biology
Entry Requirement S5 → S6	National 4 pass in Biology or National 5 pass in Physics or Chemistry

Progression Route: Higher Biology or Higher Human Biology

Careers: Pupils may find this subject useful if going on to study medicine, veterinary medicine, dentistry, any bioscience, Sport & Exercise or PE at college or university

Course Format

Unit 1	CELL BIOLOGY – Key Areas <ul style="list-style-type: none">• Cell structure• Transport across cell membranes• Producing new cells• DNA and the production of proteins• Proteins and enzymes• Genetic engineering• Photosynthesis and Respiration
Unit 2	MULTICELLULAR – Key Areas <ul style="list-style-type: none">• Cells, tissues and organs• Stem cells and meristems• Control and Communication• Reproduction• Variation and Inheritance• The need for transport• Effects of lifestyle choices on human transport and exchange systems
Unit 3	LIFE ON EARTH – Key Areas: <ul style="list-style-type: none">• Biodiversity and the distribution of life• Energy in ecosystems• Sampling techniques and measurement of abiotic and biotic factors• Adaptation• Natural selection and the evolution of species• Human impact on the environment

Course Details

As well as unit assessments pupils are required to complete a number of assessments tasks through the course as well as an assignment that counts towards 20% of the final mark.
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Department

BUSINESS EDUCATION

Course Business Management

Level National 5

Entry Requirement S4 → S5	National 4 in Business
Entry Requirement S5 → S6	National 4 in Business or National 5 (A-C) in English, Maths and one other Social Subject

Progression Route Completion of this course could lead to further study in Higher Business Management or provide the skills needed for employment in organisations and business. It could also provide entry requirements for many college courses such as Human Resource Management, Business Studies or Administration at Higher National or SVQ level.

Course Format

Unit 1	UNDERSTANDING BUSINESS
Unit 2	MANAGEMENT of MARKETING and OPERATIONS
Unit 3	MANAGEMENT of PEOPLE and FINANCE

Course Details

Whether planning to find a job or to move into further education, this course can provide you with the skills needed to understand how business and organisations operate. The knowledge and skills you will acquire in relation to marketing and financial management are fundamental to understanding how business decisions are made. An understanding of the structure of organisations and the current methods of managing these is a skill that can prove valuable in the current job market. You will be encouraged to think in an enterprising way - necessary in contemporary business environments. You will be expected to keep abreast of current trends in business activities by regularly using IT to access news and current affairs websites.

Assessment

You will be expected to pass an assessment in each topic. The course award will be assessed by an internal piece of coursework 30 marks (25%) and an external exam 90 marks (75%).

Homework

Homework will be done on a regular basis with the completion of work from lessons. Students will also be expected to complete formal questions in preparation for tests and exams every two weeks.

Department**COMPUTING SCIENCE****Course** Computing Science**Level** National 5

Entry Requirement S4 → S5	National 4
Entry Requirement S5 → S6	National 4 in Computing Science OR National 5 (A-C) in English, Maths and one other subject.

Progression Route: Completion of this course could lead to further study at Higher level in S6 or provide the skills needed for employment. It could also provide entry requirements for many computing science related college courses such as Games Development, Computing Science, Computer Security and Forensics and Interactive Media.

Course Format

There are 4 areas of study:	Software Design and Development
	Web Design and Development
	Database Design and Development
	Computer Systems

Course Details

This course will give pupils the opportunity to:

- Develop their programming and computational thinking skills by implementing practical solutions in Python and explaining how these programs work.
- Apply computational thinking skills to analyse, design, implement, test and evaluate practical solutions to web-based problems, using a range of development tools such as HTML, CSS and Javascript.
- Apply computational thinking skills to analyse, design, implement, test and evaluate practical database solutions, using a range of development tools such as SQL.
- Develop an understanding of how data and instructions are stored and basic computer architecture. They also gain an awareness of the environmental impact of the energy use of computing systems and security precautions that can be taken to protect computer systems.

Assessment

Learners will sit an external question paper that counts for 69% of the final grade. The remaining 31% is assessed by an assignment carried out in class under exam conditions where they will be able to apply the skills they have learned in a practical challenge.

Homework

Initially, once a fortnight increasing to once per week in preparation for tests and exams.

Additional Information

This course is designed to equip pupils with the skills they will need to thrive in today's technological society. Having the knowledge and understanding of the underlying principles of computer systems to be able to develop their own digital solutions will give them the depth of understanding to develop proficiency in the skills needed for work and for life in the 21st century.

This course may also suit S6 pupils who wish to refresh and improve their computing skills in preparation for further study at college or university.

Course Creative Industries – Performance Arts**Level** Skills for Work – National 5

Entry Requirement S4 → S5	Pupils who have passed Nat 4/5 Art & Design or have gained creative skills studying a creative arts subject in S4, or at discretion of CL
Entry Requirement S5 → S6	Pupils with a keen interest in the visual arts and previous experience of studying an Expressive Arts course, or at the discretion of the CL.

Progression Route: Employment in the creative industries or further study on creative arts courses at College or University level.**Course Format**

Unit 1	Creative Industries: An Introduction
Unit 2	Creative Industries: Skills Development
Unit 3	Creative Industries: The Creative Process
Unit 4	Creative Industries: Creative Project

Course Details

The Creative Industries – Performance Arts Course - is designed to provide a qualification which reflects the knowledge and skills required for employment/further study in the wide range of sectors in the Creative Industries.

It is a practical course that allows pupils to develop skills in costume and prop making, as well as set design and associated graphics. Pupils will work with a range of materials and produce work that will be presented as part of a performance which will be organised, produced and managed by themselves. Pupils will work with industry professionals and make connections with theatres and explore career and employment pathways in all aspects of the creative industries and develop valuable experience that will support them in interviews for jobs, and for applications to college and university courses.

By the end of the course pupils will have direct experience of working in a number of areas of the creative industries while working on, and delivering a live project.

Course Design and Manufacture

Level National 5

Entry Requirement S4 → S5	National 5 C pass in Design and Manufacture
Entry Requirement S5 → S6	National 5 C pass in Design and Manufacture

Progression Route: Other SQA qualifications in Design and Manufacture or related areas further study, employment and/or training

Course Format

Unit 1	DESIGN
Unit 2	MATERIALS AND MANUFACTURE

Course Details

This course provides learners with opportunities to develop:

- research skills
- idea generation techniques
- the ability to read drawings and diagrams
- the ability to communicate design ideas and practical details
- the ability to evaluate and apply both tangible and subjective feedback
- the ability to devise, plan and develop practical solutions to design opportunities

The course will also give learners the opportunity to develop thinking skills and skills in numeracy, employability, enterprise and citizenship.

Design

This Unit covers the processes of product design from brief to resolved design proposals and specification. It helps learners develop skills in initiating, developing, articulating and communicating design proposals for products. It allows them to gain skills and experience in evaluating design proposals in order to refine, improve and resolve them. It allows them to develop an appreciation of design concepts and the various factors that influence the design and manufacture of products.

Materials and Manufacture

This Unit covers the processes of product design from design proposals to prototype. It allows learners to gain skills in planning and making models and prototypes. It helps learners to 'close the design loop' by manufacturing a set of design ideas. It allows them to develop an appreciation of manufacturing practicalities. It allows them to strengthen an appreciation of the various factors that influence the design and manufacture of products. It allows learners to consider the manufacturing techniques and processes.

Course Digital Media Editing**Level** National Progression Award

Entry Requirement S4 → S5	An interest in Media, Digital Art or a desire to develop practical Computing skills
Entry Requirement S5 → S6	An interest in Media, Digital Art or a desire to develop practical Computing skills

Progression Route: Pupils can use this qualification for entry to the National Certificate in Digital Media Computing currently offered at several colleges in Scotland. It may also provide entry to other courses such as Website Enterprise, Digital Media Animation and Computers and Digital Photography. This progression award can also provide pupils with skills valued by any employer or training provider.

Course Format

Unit 1	STILL IMAGES EDITING	40 HOURS
Unit 2	AUDIO EDITING	40 HOURS
Unit 3	VIDEO EDITING	40 HOURS

Course Details

This National Progression Award in Digital Media Editing is aimed at pupils who want to develop their skills in working with graphics, sound, video & websites, acquiring and editing media to meet a specification.

The recent rapid uptake of courses in multimedia, web design, digital media, creative arts and related disciplines in colleges indicates a need for pupils to have a working knowledge of these skills to enter employment.

This is a very practical course with a large emphasis on pupils gaining valuable skills in creating Digital Media Applications. It will also give them the opportunity to gain knowledge and understanding of different methods of editing and integrating digital media elements.

The activities will be mainly hands-on, improving existing knowledge and acquiring a new range of skills working with web design software as well as sound, video and still editing applications in practical project work. This will involve pupils learning how to plan a media project from initial ideas to finished product using techniques such as storyboarding and will give them experience in working to project deadlines.

Assessment

Two of the three units are assessed by a multiple choice test and each unit has a practical assignment. This will involve using a range of skills to capture and edit media elements to meet a specification. This will be done in class over a number of weeks. It will involve some planning and an evaluation of progress against success criteria. Credit will be given for each unit successfully completed, and the overall award credited when a pass in all three units has been achieved.

Homework

Homework will be used to prepare pupils for the written tests. They may also be required to prepare for work in class by collecting media elements.

Department**ENGLISH****Course**

English

Level

National 5

Entry Requirement S4 → S5	National 5 Grade C, D or lower (resit) or National 4
Entry Requirement S5 → S6	National 5 resit

Progression Route:

Successful completion of National 5 English in S5 at A or B grade can progress to Higher in S6. Those with a C pass may progress after discussion with Curriculum Leader and Depute Head Teacher but not guaranteed.

The unit structure of the course, below, is now for use in exceptional circumstances only. For most pupils secure at N.5, units will not be entered.

The new ‘Spoken Language – performance’ course assessment must be met before a course award for N.5 English can be awarded.

Course Format: units below can be used only as a safety net in exceptional circumstances

Unit 1	ANALYSIS & EVALUATION	60 HOURS
Unit 2	CREATION & PRODUCTION	60 HOURS
Course component	Spoken Language – performance (solo and group discussion, asking and answering questions)	20 HOURS
	Additional time to consolidate learning	20 HOURS

Course Details

Nat 5 English focuses on Analysis and Evaluation of detailed texts through listening and reading, and Creation and Production of detailed texts through talking and writing. It recognises the increasing complexities of language and its literary uses and develops pupils' skills of showing understanding, analysis and evaluation through essay writing, close reading comprehension and textual analysis, as well as creating a two-piece portfolio of writing which makes up 30% of the final mark. Solo talk presentations and group discussion also form a core aspect of the course to meet the new ‘Spoken Language’ award requirements.

Assessment

All internal assessment standards for ‘Spoken Language – performance’ must be met before the final exam can be taken. The final exam consists of two papers worth a total of 70%, and a Portfolio of writing worth 30%. The two exam papers are: Reading for Understanding, Analysis and Evaluation, worth 30 marks, and paper two which is one unseen textual analysis on a set Scottish text, and one critical essay, both in an hour and a half, worth 20 marks each.

Homework

Homework is a vital element of the course and pupils should expect weekly tasks, as well as personal reading and research, to take up two hours per week, including the weekly Broadsheet Review. All pupils are issued with a course calendar giving key dates.

Department

SCIENCE

Course

Environmental Science

Level

National 5

Entry Requirement S4 → S5 eg National 3/4/5 Grade Requirement	Ideally suited for S4 pupils who are predicted to achieve a National 5 pass in Biology, Chemistry, Physics or Geography or Pupils who achieved a National 4 in Biology, Chemistry, Physics or Geography
Entry Requirement S5 → S6 eg Standard Grade or Higher Requirement	S5 pupils who have a National 5 pass in Biology, Chemistry, Physics or Geography or S5 pupils predicted to achieve a National 5 pass in Biology, Chemistry, Physics or Geography Pupils who achieved a National 4

Progression Route

This Course or its Units may provide progression to:

- Higher Environmental Science
- National 5 in Biology, Chemistry, Physics or Practical Electronics

Future Careers Areas

Environmental consultant
Water quality scientist
Nature conservation officer
Waste management consultant
Landscape architect
Toxicologist
Transport planner

Course Format

Unit 1	Living Environment
Unit 2	Earth's Resources
Unit 3	Sustainability

Course Details

Environmental science is a multidisciplinary science course that includes aspects of Biology, Geography, Chemistry, Physics, Ecology, Soil Science, Geology and Atmospheric Science and in order to learn more about the environment, and the solution of environmental problems.

Students will develop interest and enthusiasm for environmental science in a range of contexts and develop investigative and experimental skills.

They will develop a problem solving approach to attempt to develop solutions for sustainable practices. Students will become more scientifically literate citizens, able to review the science-based claims they will meet.

20% of the final mark will be gained through an externally marked assignment
80% of the final mark will be gained through an externally marked question paper (exam)

Course Hospitality - Practical Cake Craft

Level National 5

Entry Requirement S4 → S5	Interview with Curriculum Leader
Entry Requirement S5 → S6	Interview with Curriculum Leader

Progression Route: National 5 Hospitality

Careers: Hospitality industry, professional baker, food technologist, advertising, retail, environmental health, trading standards

Course Format

Unit 1	CAKE BAKING
Unit 2	CAKE FINISHING

Course Details

Practical Cake Craft, is a practical and experiential course, develops a range of cake baking and cake finishing skills in hospitality related contexts. This course is ideally suited to those pupils interested in a career in the hospitality industry as well as those who have a general interest in baking.

Unit: Cake baking

Prepare and bake a range of cakes and other items

- selecting recipes and planning the stages of baking
- selecting equipment and ingredients, weighing and measuring them accurately
- following safe and hygienic working practices
- following recipe methods to achieve the correct consistency
- controlling the oven temperature and baking correctly, tests for readiness
- cooling, storing and evaluating the baked items

Unit: Cake finishing

Prepare and apply a range of finishing to cakes and other baked items by:

- selecting suitable fillings and coatings
- planning the stages of finishing
- trimming and shaping the cakes or other baked items, where necessary, using appropriate tools and/or equipment
- applying appropriate coatings to the cakes or other baked items using the correct finishing application techniques
- creatively applying the finishing decoration techniques to the cakes or other baked items evaluating the finished cakes or other baked items.

Assessment

Pupils' will be assessed by a practical activity drawing on knowledge, understanding and skills developed across the course. The activity will require pupil's to demonstrate their knowledge and understanding related to cake baking and finishing and to apply their skills in the production of cakes.

Course Hospitality – Practical Cookery

Level National 5

Entry Requirement S4 → S5	Interview with Curriculum Leader
Entry Requirement S5 → S6	Interview with Curriculum Leader

Progression Route: National 5 Practical Cake Craft
Higher Health & Food Technology

Careers: Hospitality industry, food technologist, advertising, retail, environmental health, trading standards, food product testing, food scientist

Course Format

Unit1	COOKERY SKILLS, TECHNIQUES & PROCESSES
Unit 2	UNDERSTANDING & USING INGREDIENTS
Unit 3	ORGANISATIONAL SKILLS FOR COOKING

Course Details

This is an exciting practical course. It enables learners to develop cookery- related knowledge, understanding and skills and to use them at home, in the wider community and in employment. The course contains a significant amount of practical cookery supported by related theory.

Cookery Skills, Techniques and Processes

This unit aims to enhance pupils' cookery skills, food preparation techniques and their ability to follow cookery processes in a practical setting. Pupils will also develop an understanding of importance of safety and hygiene and the ability to follow safe and hygienic practices at all times.

Understanding and Using Ingredients

This unit aims to enhance pupils' knowledge and understanding and characteristics of ingredients from a variety of sources. It also addresses the importance of sustainability, responsible sourcing of ingredients and of current dietary advice. Pupils will develop the ability to select and use a range of appropriate ingredients in the preparation of dishes in a safe and hygienic manner.

Organisational Skills for Cooking

This unit aims to extend pupils' planning, organisational and time management skills. Pupils' will develop the ability to follow recipes; to plan, produce and cost dishes and meals; to work safely and hygienically. They will also extend their ability to carry out an evaluation of a product.

Assessment

Pupils' will be assessed by a practical activity drawing on knowledge, understanding and skills developed across the course. Pupils' will plan, prepare and cook a three-course meal for a given number of people within a given timescale and present it appropriately.

Course Mathematics

Level National 5

Entry Requirement S4 → S5	National 4 Mathematics and a recommendation from your S4 teacher
Entry Requirement S5 → S6	National 4 Mathematics and a recommendation from your S4 or S5 teacher

Progression Route:

Pupils may progress to

- Higher Mathematics
- National 5 Applications of Mathematics

National 5 Mathematics may be sufficient for your next step as it is a general or specific entry requirement for a variety of HNC, HND and other higher/further education courses.

Course Format

Unit 1	EXPRESSIONS & FORMULAE
Unit 2	RELATIONSHIPS
Unit 3	APPLICATIONS
	PREPARATION FOR COURSE ASSESSMENT

Course Details

The course aims to motivate and challenge learners by enabling them to select and apply mathematical techniques in a variety of mathematical and real-life situations.

Unit 1 – Expressions and Formulae (Nat 5) Applying numerical skills to simplify surds/expressions using the laws of indices; applying algebraic skills to manipulate expressions; applying algebraic skills to algebraic fractions; applying geometric skills linked to the use of formulae.

Unit 2 - Relationships (Nat 5) Applying algebraic skills to linear equations; applying algebraic skills to graphs of quadratic relationships; applying algebraic skills to quadratic equations; applying geometric skills to lengths, angles and similarity; applying trigonometric skills to graphs and identities.

Unit 3 - Applications (Nat 5) Applying trigonometric skills to triangles which do not have a right angle; applying geometric skills to vectors; applying numerical skills to fractions and percentages; applying statistical skills to analysing data.

Course assessment This is graded and assesses

- operational skills and reasoning beyond the minimum competence required for the Units
- the integration of operational skills across the Units
- the application of skills without the aid of a calculator.

To achieve success in the exam, learners must show that they can apply knowledge and skills acquired across the course to unfamiliar contexts.

Homework: 1½ - 2 hours per week

Course Media Studies

Level National 5

Entry Requirement S4 → S5	National 4 Media pass Pupils crashing by negotiation with subject teacher and Curriculum Leader
Entry Requirement S5 → S6	National 4 Media pass Pupils crashing by negotiation with subject teacher and Curriculum Leader

Progression Route: Higher Media and Film and Television degree courses in Higher Education.
Media production courses in Further/Higher Education

Careers: Creative industries; PR; journalism; advertising etc.

Course Format

Unit 1	ANALYSING MEDIA CONTENT
Unit 2	MEDIA ASSIGNMENT

Course Details

Nat 5 can be a good 'next step' for those who achieved success in Nat 4 Media in S4, providing staff recommend them to continue with the subject. It is an effective introduction to Media for those new to the subject, such as those hoping to gain Higher Media in S6.

Nat 5 is taught in bi-level classes with Higher candidates; classes are pitched at a level that will allow Higher pupils to work towards an A grade. It should be noted that this level may not suit all of those candidates wishing to take Nat 5.

Analysing Media Content looks at film and advertising techniques, narrative, messages conveyed and audience responses. It also demands understanding of social and economic factors in media production. Pupils work in groups to make a film trailer for the Assignment.

The **Assignment** allows well-motivated pupils to gain up to 50% of their final mark in a task that encompasses research, planning and making a media product. Nat 5 candidates must have a genuine interest in film plus an awareness of current affairs and media issues. They should have achieved success in an analytical subject such as English, History or Modern Studies.

Department**ART & DESIGN****Course**

Photography

Level

NPA level 5 (Possible Higher)

Entry Requirement S4 → S5	This is primarily an S6 course but interested S5 pupils can be considered by arrangement. Strong ability in English required for the Higher Course.
Entry Requirement S5 → S6	National 4/5 Art & Design, Higher Art & Design and/or a keen interest in photography and the visual arts. Strong ability in English required for the Higher Course.

Progression Route:**NPA Level 5** Photography can lead to Higher Photography.**Higher** Photography skills and knowledge can lead to study of Advanced Higher Art & Design (Photography) in S6. It can also lead to Photography at college or University and employment or study in the Creative Industries. Photography skills will benefit visual presentation tasks and report illustration in all aspects of study and employment.**Course Format**

Higher	IMAGE MAKING & CONTEXTUAL IMAGERY units followed by a final Photography project submitted externally to SQA for assessment.
NPA level 5	4 units: Photographing People, Photographing Places, Working with Photographs, Understanding Photography – completed in school and assessed on a pass / fail basis. 24 SCQF credit points

Course Details

The Course has an integrated approach to learning. It includes experiential learning activities which are underpinned by knowledge and understanding of photography.

All pupils will follow the same initial course developing technical and creative photographic skills and the final level of presentation will be decided in December where the class will split into two groups – Higher and NPA Level 5. Candidates will be presented at the appropriate level – Higher or NPA Level 5 – after discussion with teachers and their performance in assessment tasks.

On the Course, learners will use photographic media to produce creative and technically proficient images. Learners will develop and apply practical photography skills, techniques and processes, and use these in creative ways when developing their ideas for photography. Learners will develop their creative problem solving skills as they resolve visual, technical and/or functional problems.

The **Higher Course** has a single assessable component of a final project that requires a high level of proficiency and strong analysis and written work reflecting on their own practice and that of established photographers.

The **NPA Level 5** course is a more practical course comprising of 4 separate units.

Course Physical Education

Level National 5

Entry Requirement S4 → S5	Nat 4 Physical Education or Nat 5 C pass
Entry Requirement S5 → S6	Nat 4 Physical Education or Nat 5 C pass Keen interest in Sport & Physical Activity

Progression Route: Higher Physical Education

Careers: Sports Administration, Sports Medicine, Sports Science, Sports Coaching, Sports Development and Physical Education Teaching.

Course Format

Unit 1	PERFORMANCE SKILLS
Unit 2	FACTORS IMPACTING PERFORMANCE

Course Details

The National 4/5 Physical Education Course allows learners to develop and demonstrate a comprehensive range of movement and performance skills in physical activities. Learners also develop an increased understanding of the important link between fitness and good Physical and mental health.

Unit 1: The general aim of this Unit is to develop learners' ability to perform in physical activities by enabling them to acquire a comprehensive range of movement and performance skills. They will learn how to select, use, demonstrate and adapt these skills. Learners will develop consistency in their control and fluency during movement to enable them to meet the physical demands of performance in a safe and effective way. The Unit offers opportunities for personalisation and choice in the selection of physical activities.

Unit 2: The general aim of this Unit is to develop learners' knowledge and understanding of the factors that impact on performance in physical activities. Learners will consider the effects of mental, emotional, social and physical factors on performance, and will develop an understanding of how to plan for, monitor, record and evaluate the process of personal performance.

Assessment 1: Performance

Assessment of the pupil's ability to plan, prepare for, perform and evaluate their own personal performance in **one** physical activity.

The performance consists of three stages: Planning and preparation, Single performance and Evaluation.

Assessment 2: Portfolio (National 5)

Assessment of the pupil's ability to integrate and apply knowledge and understanding from across the Units.

Course Practical Woodworking

Level National 5

Entry Requirement S4 → S5 eg National Requirement	National 4 in Design & Manufacture or genuine interest in Woodwork
Entry Requirement S5 → S6 eg Standard Grade	National 4 in Design & Manufacture or genuine interest in Woodwork

Progression Route:

- National Certificate Group Awards (NCGAs)
- A range of other practical technological courses at National 5
- Skills for Work and sector-specific SQA qualifications

Course Format

Unit 1	BENCH SKILLS 1 – FLAT FRAME CONSTRUCTION
Unit 2	BENCH SKILLS 2 – CARCASE CONSTRUCTION
Unit 3	MACHINING & FINISHING

Course Details

The course aims to enable learners to develop:

- Skills in woodworking techniques.
- Skills in measuring and marking out timber sections and sheet materials.
- Safe working practices in workshop environments.
- Practical creativity and problem-solving skills.
- An understanding of sustainability issues in a practical woodworking context.

The course will also give learners the opportunity to develop thinking skills and skills in numeracy, employability, enterprise and citizenship.

Department**ART & DESIGN****Course** Art & Design**Level** Higher

Entry Requirement S4 → S5	National 5 A pass in Art & Design or at the discretion of Curriculum Leader
Entry Requirement S5 → S6	National 5 A pass in Art & Design or at the discretion of Curriculum Leader

Progression Route: A Higher pass could lead to Advanced Higher in S6**Careers:** Higher Art & Design is a valuable qualification for a variety of employment options in the creative industries and is valuable for Architecture and Landscape Architecture courses.**Course Format**

Unit 1	EXPRESSIVE ACTIVITY
Unit 2	DESIGN ACTIVITY

Course Details

The Course has an integrated approach to learning, and includes a mix of practical learning and knowledge and understanding of art and design practice.

In the Course learners will draw upon their understanding of the main factors influencing artists' and designers' work and practice. They will experiment with and use a range of art and design materials, techniques and/or technology to develop their own creative art and design work. Learners will use problem solving skills and self-reflect on their creative choices and decisions when developing their creative ideas.

Art and Design: Expressive Activity (Higher)

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

Art and Design: Design Activity (Higher)

In this Unit learners will plan, research and develop creative design work in response to a design brief. They will develop their creativity, problem solving and critical thinking skills as they consider design opportunities, and work to resolve design issues and constraints. In the Unit, learners will develop critical understanding of designers' working practices and the main social and cultural influences affecting their work. They will experiment with, develop and refine their design ideas, using a range of materials, techniques and/or technology in 2D and/or 3D formats.

Course assessment structure

Component 1 — portfolio 160 marks

Component 2 — question paper 60 marks

Total marks 220 marks

Course Biology

Level Higher

Entry Requirement S4 → S5	National 5 pass in Biology at Grade A to C
Entry Requirement S5 → S6	National 5 pass in Biology at Grade A to C

Progression Route: Pupils achieving a grade A or B may progress to Advanced Higher Biology in S6. Pupils may find this subject useful if going on to study medicine, veterinary medicine, dentistry, any bioscience, Sport & Exercise or PE at college or university.

Course Format

Unit 1	<p>DNA AND THE GENOME – 5 subunits</p> <ul style="list-style-type: none"> • Structure and Replication of DNA • Gene Expression • Differentiation in Multicellular Organisms • Genome and Mutations
Unit 2	<p>METABOLISM AND SURVIVAL – 3 subunits</p> <ul style="list-style-type: none"> • Metabolism and Enzymes • Cellular Respiration • Growth and Metabolism
Unit 3	<p>SUSTAINABILITY AND INDEPENDENCE – 6 subunits</p> <ul style="list-style-type: none"> • Science and Food Production • Photosynthesis and Energy Transfer • Crop Protection and Animal Welfare • Inter-relationships and Dependence • Social Behaviour • Biodiversity

Course Details

Higher Biology continues to develop skills of:

- Knowledge and Understanding
- Problem Solving
- Practical Work (LO1)
- Processing Data (Assignment)

In Higher Biology the following areas are studied with reference to all living organisms:

- Through the study of DNA and the genome, the molecular basis of evolution and biodiversity shall be explored.
- The metabolic pathway of respiration shall be covered in detail. This shall link in to how the control of the metabolic pathways are essential for cell survival. Adaptations for the maintenance of metabolism for survival shall be considered.
- Photosynthesis shall be covered with emphasis on its importance in food production. The idea of food production shall link in to the fact that all species are dependent upon the existence of others. This leads us to looking at the vast biodiversity that exists on Earth and how different species interact with one another.

Homework

Homework is required most nights to consolidate class work, to complete class work and prepare for assignments. This should be 3 to 4 hours per week, depending on the time of year and the effectiveness of the pupil's study skills.

Course Business Management**Level** Higher

Entry Requirement S4 → S5	National 5 Business Management with an A or B pass
Entry Requirement S5 → S6	National 5 Business Management with an A or B pass S6 pupils with no previous qualification in Business will be required to have at least 3 Higher passes at level A-C including English and one other Social Subject

Progression Route Further study in Advanced Higher Business Management or in Higher National programmes. This qualification will greatly improve the chance of entry to business management/finance courses in higher education or job training.

Course Format

Unit 1	UNDERSTANDING BUSINESS
Unit 2	MANAGEMENT OF MARKETING and OPERATIONS
Unit 3	MANAGEMENT OF PEOPLE AND FINANCE

Course Details

This course gives students valuable knowledge and understanding of a business and enterprise environment appropriate to the skills required currently in commerce and industry. Whether intending to start a business or to continue with further study, this course allows students to develop skills in finance, marketing and human resource management which will enhance their suitability for a range of employment opportunities. Best practice in contemporary businesses and organisational structures are studied and management strategies in decision making examined. Students are encouraged to access websites to keep abreast of current business activities and on-line information is used to enhance the understanding of business in a wider context. Students learn to think, act and make decisions in an enterprising manner, acquiring skills that can be applied in the rapidly changing employment market.

Assessment

Regular tests are used to inform pupils of their progress. Grades are determined by the final examination - 90 marks (75%) and an assignment carried out in class - 30 marks – (25%).

Homework

Homework will be done on a regular basis with the completion of work from lessons. Students will also be expected to complete formal questions in preparation for tests and exams every two weeks.

Department**CHEMISTRY****Course**

Chemistry

Level

Higher

Entry Requirement S4 → S5 eg National 5 Grade Requirements	National 5 Chemistry with Grades A, B or C or <i>If wanting to take Chemistry for the first time:</i> Grade A or B in National 5 Physics, Biology or Maths <i>See Mr Hembury for any other entry requirements</i>
Entry Requirement S5 → S6 eg National 5 / Higher Requirements	National 5 Chemistry with Grades A, B or C or Higher Chemistry Grade C or D or Higher Chemistry Units only (one or more) <i>If wanting to take Chemistry for the first time:</i> Grade A or B in Higher Physics, Higher Biology/Human Biology or Higher Maths or Grades A or B in National 5 Physics, Biology or Maths <i>See Mr Hembury for any other entry requirements</i>

Progression Route

This Course or its Units may provide progression to:

- Advanced Higher Chemistry
- Higher Physics, Higher Biology/Human Biology

Future Careers Areas

Pharmacologist
Chemical engineer
Finance (accountancy)
Toxicologist

Analytical Chemist
Forensic scientist
Healthcare scientist, clinical biochemistry
Research scientist (physical sciences)

Course Format

Unit 1	CHEMICAL CHANGES AND STRUCTURE
Unit 2	NATURES CHEMISTRY
Unit 3	CHEMISTRY IN SOCIETY
Unit 4	RESEARCHING CHEMISTRY (literature research and practical investigation)

Course Details

Coursework builds directly on the knowledge & concepts covered at National 5 Chemistry. Additional topics include studies into the chemistry of foods and cooking, fragrances, skin care, chemical energy and reversible reactions. It also continues to develop Problem Solving and Practical Skills. Further course information can be found on the school, SQA and Chemweb websites.

Chemistry **home study** should involve a **MINIMUM** of 2 hours per week. This covers completing all current work, review and revision of previous topics.

Course Computing Science

Level Higher

Entry Requirement S4 → S5 eg National Requirement	National 5 in Computing Science at grade A-C
Entry Requirement S5 → S6 eg Standard Grade/Higher Requirement	National 5 in Computing Science at grade A-C S6 pupils with no previous qualification in Computing need to have at least 3 Highers at level A-C and a qualification in Mathematics at National 5 (A-C) or equivalent

Progression Route: Gaining an award at Higher in Computing could lead to further study at Advanced Higher level. This qualification could enhance the chance of entry to education courses in Computer Science, Business Computing, Information Technology or Multimedia, or job training. If going on to study a Computing Science related degree, some universities now require a pass in Computing Science at Higher level.

Course Format: *Please note that this course is subject to change due to changes being implemented by SQA following advice from the Scottish Government. Confirmation of the revised changes to the arrangement by SQA will not be available until end April 2018.*

Unit 1	SOFTWARE DESIGN AND DEVELOPMENT
Unit 2	INFORMATION SYSTEM DESIGN AND DEVELOPMENT
ADDITIONAL HOURS IS USED IN PREPARATION FOR THE COURSE ASSESSMENT	

Course Details

An understanding of computing and information systems has become necessary in everyday life and in the modern workplace. In this course pupils will develop the problem solving skills used by Computer Scientists to design, operate and use modern computer systems.

Software Design and Development

In this unit pupils will develop their skills in problem solving through a range of practical tasks using appropriate development environments and in different contexts. They will work through practical examples of design and development of digital solutions to solve complex problems using Python. They will also develop an understanding of computer architecture and the concepts that underpin how programs work.

Information System Design and Development

A need for rapid access to the vast amount of information that can be discovered using modern technology has become an integral part of our daily lives. Search engines and social media websites are reached through web sites which are often backed by powerful relational databases. In this section of the course pupils will learn to create practical solutions to problems by developing databases and websites using a range of tools to gain an understanding of the computational concepts that they are based on. Using research they will become more aware of the technical, legal, environmental, economic and social issues related to information systems.

Homework

On average, pupils will be set homework tasks that may take up to one hour per week to complete. The frequency of homework will vary from an extended, weekly exercise comprising of several questions to several exercises in the week made up of one/two questions. In addition, pupils will be asked to read course notes/text books in preparation for a lesson. Pupils will be given access to on-line resources provided by Scholar at Heriot Watt University that can be used for revision and to help with homework assignments.

Course Design and Manufacture

Level Higher

Entry Requirement S4 → S5	National 5 A/B pass in Design and Manufacture/Art and Design or Graphic Communication.
Entry Requirement S5 → S6	National 5 A/B pass in Design and Manufacture/Art and Design or Graphic Communication

Progression Route: Other SQA qualifications in Design and Manufacture or related areas further study, employment and/or training

Careers: Product Design theatre/ T.V. / Films, Graphic Design, Materials Engineer
Product Manager, Purchasing Manager, Interior Design, Furniture Design

Course Format

Unit 1	DESIGN
Unit 2	MATERIALS AND MANUFACTURE

Course Details

This course provides learners with opportunities to develop:

- research skills
- idea generation techniques
- the ability to read drawings and diagrams
- the ability to communicate design ideas and practical details
- the ability to evaluate and apply both tangible and subjective feedback
- the ability to devise, plan and develop practical solutions to design opportunities

The course will also give learners the opportunity to develop thinking skills and skills in numeracy, employability, enterprise and citizenship.

Design

This Unit covers the processes of product design from brief to resolved design proposals and specification. It helps learners develop skills in initiating, developing, articulating and communicating design proposals for products. It allows them to gain skills and experience in evaluating design proposals in order to refine, improve and resolve them. It allows them to develop an appreciation of design concepts and the various factors that influence the design and manufacture of products.

Materials and Manufacture

This Unit covers the processes of product design from design proposals to prototype. It allows learners to gain skills in planning and making models and prototypes. It helps learners to 'close the design loop' by manufacturing a set of design ideas. It allows them to develop an appreciation of manufacturing practicalities. It allows them to strengthen an appreciation of the various factors that influence the design and manufacture of products. It allows learners to consider the manufacturing techniques and processes.

Department**DRAMA****Course**

Drama

Level

Higher

Entry Requirement S4 → S5	National 5 Drama pass A/B Pupils crashing by individual consultation and agreement with subject teacher and Curriculum Leader in relation to the performance element of the course. Pupils need to pass Section 2 of the written National 5 Drama paper at the end of June. Evidence of experience in chosen Performance area is preferable.
Entry Requirement S5 → S6	National 5 Drama pass A/B Pupils crashing by individual consultation and agreement with subject teacher and Curriculum Leader in relation to the performance element of the course. Pupils need to pass Section 2 of the written National 5 Drama paper at the end of June. Evidence of experience in chosen Performance area is preferable.

Progression Route:

Further/Higher education.

Careers:

Theatre, Law, Media, Design, Technical theatre, Medicine, Education

Course Format

Unit 1	DRAMA SKILLS	40 HOURS
Unit 2	PRODUCTION SKILLS	40 HOURS

Course Details**Course Information**

In Higher Drama you will build on all the skills, which you developed during National 5. In Unit 1 you will respond to a range of stimuli, including theatre texts. From these you will generate ideas and use complex Drama skills to develop and portray characters. You will study a play from a prescribed list set by the SQA in addition to using other texts throughout the unit. You will explore the social, cultural and historical influences on Drama and analyse and evaluate your own use of Drama skills in addition to the Drama skills of your peers.

In Unit 2 you will experiment with different production areas; Acting, Directing and Design and learn how these are used when building a drama production. You will use a variety of texts within this unit in addition to the prescribed text studied during Unit 1. You will analyse and evaluate Contemporary theatre productions in addition to evaluating your own production skills.

In the course assessment you can choose to specialise in one area; Acting, Directing or Design. This is assessed by a visiting assessor and is worth 60% of the final grade. The written exam consists of two essays which communicate your understanding of the prescribed text and its theatrical context. The second essay is an analysis of a contemporary theatre production. This is worth 40% of the final mark.

Homework

Pupils will be expected to complete one preparatory task and one essay per week.

Course Economics

Level Higher

Entry Requirements S4 → S5	Grade A or B in National 5 Economics
Entry Requirements S5 → S6	National 5 at grade A or B; S6 pupils with no previous experience in Economics will require to have three Highers at grades A – C including English and preferably a Social Subject and a qualification in Mathematics at National 5 grade A-B or equivalent.

Progression Routes Further study in Advanced Higher Economics or in Higher National programmes. This course provides an excellent basis for further study in general areas such as Business, Social Studies, Management or for Professional Qualifications in Law, Accountancy, Engineering etc.

Course Format

Unit 1	ECONOMICS OF THE MARKET	40 HOURS
Unit 2	UK ECONOMIC ACTIVITY	40 HOURS
Unit 3	GLOBAL ECONOMIC ACTIVITY	40 HOURS

Course Details

Economics of the Market

In this Unit, pupils will carry out learning activities that will allow them to analyse the economic problem of unlimited wants in relation to limited resources and how this impacts on the daily choices made by us all. They will also examine and analyse how supply and demand drives resource allocation and economic production. This will provide learners with an in-depth understanding of markets and how they operate.

UK Economic Activity

In this Unit, pupils will carry out learning activities that will allow them to analyse government income and expenditure. They will evaluate the role of the public and the private sectors in the economy. They will also develop the ability to assess the policies and other methods used by the government to achieve its economic aims and to assess the effects of the Scottish economy on the UK economy. The Unit also allows pupils to consider the implications of government actions and suggest solutions to relatively complex economic problems.

Global Economic Activity

In this Unit, pupils will carry out learning activities that will allow them to analyse the global nature of economics. They will explore global trade and the balance of payments and their importance in the UK economy. They will also examine exchange rates. Lastly, pupils will consider economic features of the European Union, developing countries and emerging economies and their social impact.

Homework/Assessment

Homework will be done on a regular basis with the completion of work from lessons. Students will also be expected to complete formal questions in preparation for tests and exams every two weeks. Regular tests are used to inform pupils of their progress.

Course Engineering Science

Level Higher

Entry Requirement S4 → S5	National 5 A/B pass in Engineering Science or Physics
Entry Requirement S5 → S6	National 5 A/B pass in Engineering Science or Physics

Progression Route: Advanced Higher Engineering Science, a range of engineering-related HNCs and HNDs, degrees in Engineering and related disciplines

Careers: Careers in Environmental, Electrical, Electronic, Civil and Mechanical Engineering amongst others.

Course Format

Unit 1	ENGINEERING CONTEXTS AND CHALLENGES
Unit 2	ELECTRONICS AND CONTROL
Unit 3	MECHANISMS AND STRUCTURES

Course Details

This course aims to:

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

The course will also give learners the opportunity to develop thinking skills and skills in numeracy, employability, enterprise and citizenship.

Department	ENGLISH
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Course	English
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Level	Higher
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Entry Requirement S4 → S5	National 5 A/B; or C <u>by discussion and negotiation with Curriculum Leader and Depute Head only</u> . Nat 5 C /Ds or lower should resit
Entry Requirement S5 → S6	National 5 A/B or C by discussion and with Curriculum Leader and Depute Head. Nat 4, Nat 5 C/D or lower should resit

Progression Route:

Successful completion of Higher A or B can lead to Advanced Higher. English is recognised by prestigious universities such as those in The Russell Group as a key 'facilitating' subject which shows a level of ability with language, argumentation and analysis desirable for any subject. It is particularly useful for Literature, Languages/Linguistics, Law, Philosophy, International relations, History, Politics, Psychology, Theatre Studies and Media and Communication awards. 'STEM' subjects are starting to use the quality of a candidate's English pass as a discriminating factor when offering entry to high-demand courses such as Medicine and Veterinary Medicine. Certain jobs, e.g Civil Service, also expect a candidate to possess a suitable pass at Higher English, despite other degree qualifications.

Careers:

English is applicable to a huge variety of careers. Common careers are journalism, publishing, research and information skills/librarianship, speech and language therapy, linguistics, media and advertising, law, politics, advocacy work, hospitality and tourism management, amongst many others.

Course Format

Unit 1	ANALYSIS AND EVALUATION: listening and reading to show understanding, analysis and evaluation of 'detailed and complex' texts 60 HOURS
Unit 2	CREATION AND PRODUCTION: talking and writing to create and produce detailed and complex spoken and written texts 60 HOURS
Course component	Spoken Language – performance solo and group talk 20 HOURS
	ADDITIONAL TIME TO ENRICH LEARNING 20 HOURS

Course Details

Although the Higher English course is very similar in *structure* to National 5 English, the level of demand is greater and more complex, with pupils not able to pick up marks for use of quotation alone, as they could in N5: all marks come from the quality and depth of explanation and insight. Pupils taking Higher English should be prepared for this and not expect it to be an easy continuation of N.5.

Pupils should already be familiar with the course structure and the requirement to produce a two-piece Portfolio of writing. Higher will allow for the detailed study of more challenging and complex texts, enabling pupils to further develop their ability to summarise, analyse and evaluate. Pupils will continue to study Scottish texts as well as a wide range of texts from a variety of times and genres. Reading of non-fiction remains essential to progress, and talking, listening and writing skills are further developed and assessed.

The Assessment structure is very similar to Nat 5: a final exam is sat **once the Spoken Language criteria have been met**.

- Paper 1: RUAE 30 marks, 1½ hours: **two** passages, questions and compare and contrast ideas of both.
- Paper 2: Critical Reading, 1½ hours: Scottish set text (20 marks) and Critical Essay (20 marks)
- A Folio of Writing (2 pieces, 30marks total) is submitted prior to the final exam.

Homework is a vital element to an individual's success and pupils should expect tasks to be set several times in a week. Regular study, revision and consolidation of learning should take at least three hours per week, including the Weekly Broadsheet Review. Pupils receive a course calendar with key dates given.

Department**GEOGRAPHY****Course** Geography**Level** Higher

Entry Requirement S4 → S5	National 5 in Geography or another Social Subject and English, with teacher recommendation
Entry Requirement S5 → S6	National 5 Geography or Higher A or B in another Social Subject and National 5 English with teacher recommendation

Progression Route: A or B pass at Higher may allow progress to Advanced Higher or progression to Higher Environment Science.

Careers: Geography complements both the social and natural sciences and offers career paths in research, mapping and GIS, climatology, urban planning, community development and environmental management, as well as tourism, civil engineering, quantity surveying and business. In higher education the qualification is valued as an entry qualification to Arts, Social Science and Science faculties in many universities.

Course Format

Unit 1	PHYSICAL ENVIRONMENTS
Unit 2	HUMAN ENVIRONMENTS
Unit 3	GLOBAL ISSUES

Course Details

Some topics are developed in more depth from National 5 to encourage progression with new topics are introduced with new case studies to add variety. Linking with Science pupils will build on the key skills of collecting, processing and evaluating information accurately, and expertise in the use of a range of maps, diagrams and statistical techniques.

Physical Environments: Pupils study the interacting global systems of Atmosphere, Hydrosphere, Lithosphere and Biosphere and make links with all three science subjects. They consider how and why these systems work and their impacts on the earth's surface.

Human Environments: Pupils continue to consider the changing dynamics of world population and then explore how people cope with contemporary problems of both urban and rural life across the developed and developing world.

Global Issues: Pupils will study the reasons for global climate change and how the impacts can be managed effectively. Pupils will be introduced to the issue of River Basin Management; exploring how we manage the valuable and limited resource of water with specific case studies.

Assessment: Each unit is assessed through unit outcomes which must be passed before sitting the final exam. These will comprise exam style questions, research and reports. In addition an independent piece of research will be carried out and culminate in a written report for the Assignment which will be externally assessed by SQA. The final exam will examine topics from across all three units as well as an application of skills question in the form of a problem solving exercise.

Homework: Pupils must be prepared to spend 1-2 hours per week following up classwork and/or preparing for assessments.

Additional Information: In the 21st century, with growing awareness of the impact of human activity on the environment and scarce resources, the study of Geography fosters positive life-long attitudes of environmental stewardship, sustainability and global citizenship. This qualification will furnish learners with the skills, knowledge and understanding to enable them to contribute effectively to their local communities and wider society.

Course Graphic Communication

Level Higher

Entry Requirement S4 → S5	National 5 in Graphic Communication, Art and Design or Design & Manufacture
Entry Requirement S5 → S6	National 5 in Graphic Communication, Art and Design or Design & Manufacture

Progression Route: Other SQA qualifications in Graphic Communication or related areas further study, employment and/or training

Careers: Industrial designers, Architecture, Desk top publishers, Drafters, Multi-media designers, Graphic designers

Course Format

Unit 1	2D GRAPHIC COMMUNICATION
Unit 2	3D AND PICTORIAL GRAPHIC COMMUNICATION

Course Details

2D Graphic Communication

- Produce and interpret 2D orthographic sketches and drawings
- Produce 2D computer-aided designed/draughted production drawings
- Produce preliminary 2D designs and illustrations for a multi-page promotional document
- Create a multi-page promotional publication and a project set of promotional publications

3D and Pictorial Graphic Communication

- Produce and interpret pictorial sketches and drawings
- Produce 3D computer-aided designed/draughted models and associated production drawings
- Produce pictorial and 3D illustrations of everyday objects
- Plan and produce pictorial and/or 3D models for promotional purposes

Course Health & Food Technology

Level Higher

Entry Requirement S4 → S5	National 5 Health & Food Technology Grade A/B or National 5 English or Social Subject Grade A/B or Interview with Curriculum Leader
Entry Requirement S5 → S6	National 5 Health & Food Technology Grade A/B or National 5 English or Social Subject Grade A/B or Interview with Curriculum Leader

Progression Route: Advanced Higher Health and Food Technology

Careers: Food product development, dietetics, food technology, nursing, primary and secondary teaching, environmental health, trading standards, public health, advertising, retail food industry

Course Format

Unit 1	FOOD FOR HEALTH
Unit 2	FOOD PRODUCT DEVELOPMENT
Unit 3	CONTEMPORARY FOOD ISSUES

Course Details

Food for Health

This unit develops knowledge and understanding of the relationships between health, food, nutrition, dietary needs of individuals and current dietary advice; and their impact on health for specific people at various stages of life. Pupils will extend their practical skills and apply food preparation techniques using safe and hygienic practices.

Food Product Development

This unit allows pupils to participate in a range of technological food processing activities which demonstrates the science and functional properties of food and its uses in creating new products in a variety of contexts. Pupils will apply a range of food preparation techniques to design, create, analyse and evaluate food products to meet specified needs.

Contemporary Food Issues

This unit allows pupils to research a range of contemporary factors affecting food and nutrition, health and wellbeing and consumer choices. Pupils will gain an understanding of national food industry structure, food sourcing and ethics, food choice in a diverse society and the importance of developing informed and discerning choices. Pupils will apply their knowledge and understanding in practical contexts.

Assessment

All units will be internally assessed.

Exam – 50 marks externally assessed

Technological project – carried out in school and externally assessed.

Department**HISTORY****Course** History**Level** Higher

Entry Requirement S4 → S5	National 5 A or B pass in History and/or another Social Subject and English, alongside teacher recommendation if necessary.
Entry Requirement S5 → S6	As above or Higher A or B in another Social Subject and English, alongside teacher recommendation if necessary for crash higher.

Progression Route: Advanced Higher.**Careers:** Law, Politics, Publishing, Journalism, Diplomatic Careers and International Relations, Media and Advertising, Teaching, Archaeology, Science based careers.**Course Format**

Unit 1	HISTORICAL STUDY – EUROPEAN AND THE WORLD: THE USA 1916 - 1968 40 HOURS
Unit 2	SCOTTISH HISTORY – MIGRATION AND EMPIRE 1830 - 1939 40 HOURS
Unit 3	HISTORICAL STUDY – BRITAIN 1851-1950 40 HOURS

Course Details**Later Modern History – The USA 1918 – 1968 (Essay Work)**

A study of tensions between whites and non-whites and other ethnic groups in American society; focussing on racial divisions, economic problems, the growth of government and the struggle for civil rights. From slavery to freedom rides, Martin Luther King and Malcolm X, the story of USA is captivating and truly colourful.

Later Modern History – Britain 1851-1951 (Essay Work)

What would you do if you lived in a country where you had no say over who governed you and no means of speaking out? Once upon a time Britain was not the fair country it was today and few safety nets existed to catch the poorer sections of society from falling into abject poverty. This topic explores how the political make-up of Britain changed during the 19th and 20th centuries and how a fairer state was built. Students will explore the emergence of the early Labour party and the how the welfare system was built to help support the British citizens of the past. This topic dovetails with ease into more up-to-date politics which are taught in Modern Studies.

Scottish History – Migration and Empire 1830 – 1939 (Source Evaluation Skills)

What impact have the Scots had on the world around them? How did we contribute to the British Empire? Are we as thoroughbred a nation as we believe, or a wonderful melange of ethnicities from afar? In this topic pupils will study how the population movement of the nineteenth and twentieth centuries affected Scotland and the Empire.

Assessment: There is one examination paper based on the three topic areas. This is written under controlled conditions over two and half hours. A written assignment, worth 30 marks, similar to the National 5 assignment, is written up under controlled conditions within 1 hour and 30 minutes. Pupils are continually assessed according to SQA outcomes. They will create a portfolio of extended responses and source analysis as evidence of outcomes being met. The achievement of all outcomes is required to sit the final exam.

Homework: Will be set each week. This will consist of: finishing work begun in class; additional set reading; essay writing under timed and non-timed conditions as well as source skills exercises.

Attendance: Pupils from S5 and S6 will be expected to attend all classes. If other commitments prevent attendance it is the pupil's responsibility to ensure their successful progress with the course using EDMODO sources provided by all teachers.

Course Human Biology

Level Higher

Entry Requirement S4 → S5	National 5 pass in Biology at Grade A to C
Entry Requirement S5 → S6	National 5 pass in Biology, Chemistry or Physics

Progression Route: Pupils achieving a grade A or B may progress to Advanced Higher Biology in S6. Pupils may find this subject useful if going on to study medicine, veterinary medicine, dentistry, any bioscience, Sport & Exercise or PE at college or university

Course Format

Unit 1	<p>HUMAN CELLS – 8 subunits</p> <ul style="list-style-type: none"> • Division and differentiation in human cells • Structure and replication of DNA • Gene expression • Genes and proteins in health and disease • Human genomics • Metabolic pathways • Cellular respiration • Energy systems in muscle
Unit 2	<p>PHYSIOLOGY AND HEALTH – 8 subunits</p> <ul style="list-style-type: none"> • Structure and function of reproductive organs • Hormonal control of reproduction • Biology of controlling fertility • Ante- and postnatal screening • Structure and function of blood vessels • Structure and function of heart • Pathology of cardio vascular disease • Blood glucose and obesity
Unit 3	<p>NEUROBIOLOGY AND COMMUNICATION – 4 subunits</p> <ul style="list-style-type: none"> • Nervous system and brain structure • Perception and memory • Neurones and neurotransmitters • Communication and social behaviour
Unit 4	<p>IMMUNOLOGY AND PUBLIC HEALTH – 4 subunits</p> <ul style="list-style-type: none"> • Non-specific defences • Specific cellular defences • Transmission and control of infectious diseases • Active immunisation, vaccination and evasion of immune response by pathogens

Course Details

The Human Biology course develops understanding of human biology in the role in scientific issues and relevant applications including the impact on society and the environment. It develops analytical thinking skills including scientific evaluation and planning as well as continues to develop problem solving skills. Literacy is used to communicate ideas and make scientifically informed choices.

Assessment:

Each of the Units will be assessed internally against requirements set out by the SQA and are marked on a pass/fail basis.

Course assessment also includes:

Component 1 – **Exam** (100 marks) Section 1 Objective test (20 marks) Section 2 Restricted and extended response questions (80 marks)

Component 2 – **Assignment** requiring research and communication (20 marks)

N.B. The exam is set by the SQA and both exam and assignment are externally marked by the SQA. The overall mark out of 120 is awarded an A-D grade.

Homework: At least 3-4 hours a week are required to consolidate as well as complete, class work and to prepare for assignments and assessments.

Course Mathematics

Level Higher

Entry Requirement S4 → S5	National 5 Mathematics A, B or C grade
Entry Requirement S5 → S6	National 5 Mathematics A, B or C grade

Progression Route Pupils may progress to any or all of

- Advanced Higher Mathematics
- Advanced Higher Mathematics of Mechanics
- Advanced Higher Statistics

Higher Mathematics is an entry requirement for a wide range of courses in higher/further education. It is a specific entry requirement for mathematics, engineering or science HNC, HND or degree courses

Course Format

Unit 1	EXPRESSIONS & FUNCTIONS (H)
Unit 2	RELATIONSHIPS & CALCULUS (H)
Unit 3	APPLICATIONS (H)
	PREPARATION FOR COURSE ASSESSMENT

Course Details

This course aims to deepen the learner’s skills in using mathematical language and exploring advanced mathematical ideas.

Unit 1 – Expressions and Functions (H) Applying algebraic skills to logarithms and exponentials; applying trigonometric skills to manipulating expressions; applying algebraic and trigonometric skills to functions; applying geometric skills to vectors.

Unit 2 – Relationships and Calculus (H) Applying algebraic skills to solve equations; applying trigonometric skills to solve equations; applying calculus skills of differentiation and of integration.

Unit 3 – Applications (H) Applying algebraic skills to rectilinear shapes; applying algebraic skills to circles; applying algebraic skills to sequences; applying calculus skills to optimisation and area.

Course assessment This is graded and assesses

- operational and reasoning skills beyond the minimum competence required for the Units
- the integration of operational skills across the Units
- the application of skills without the aid of a calculator.

To achieve success in the exam, learners must show that they can apply knowledge and skills acquired across the course to unseen situations.

Homework: 3-4 hours per week

Course Media Studies

Level Higher

Entry Requirement S4 → S5	National 5 Media pass A/B Pupils crashing by negotiation with subject teacher and Curriculum Leader
Entry Requirement S5 → S6	National 5 Media pass A/B Pupils crashing by negotiation with subject teacher and Curriculum Leader

Progression Route: Media Studies/Film Studies degree courses in Higher Education; media production courses in Further/Higher Education.

Careers: Creative industries; PR; journalism; advertising etc.

Course Format

Unit 1	ANALYSING MEDIA CONTENT
Unit 2	MEDIA ASSIGNMENT

Course Details

Higher Media Studies is a challenging course suitable for those who have achieved success in the subject at Nat 5 level. It may also be chosen by pupils new to Media, provided they satisfy entry requirements and have a genuine interest in film, media issues and current affairs. The course provides a good grounding for further study of film/media in the tertiary sector. Assessment is by way of extended written tasks and essays.

Analysing Media Content looks at film and advertising techniques, narrative, messages conveyed and audience responses. It also demands understanding of social and economic factors in media production.

The **Assignment** allows well-motivated pupils to gain up to 50% of their final mark in a task that encompasses research, planning and making a media product.

Higher candidates new to the subject should not underestimate the challenges of the course. They should be highly self-motivated and willing to invest extra individual hours in the basics of the subject to which the Higher course cannot allocate time; they should also have a strong record of attainment in English.

Department**MODERN LANGUAGES****Course** French, German, Mandarin & Spanish**Level** Higher

Entry Requirement S4 → S5	A or B Pass at National 5 or C Pass by negotiation
Entry Requirement S5 → S6	A or B Pass at National 5

Progression Route: Advanced Higher in S6 if A or B Pass at Higher**Course Format**

Unit 1 (optional)	UNDERSTANDING LANGUAGE (Reading & Listening)
Unit 2 (optional)	USING LANGUAGE (Writing and Speaking)
Assessment	This makes up the final exam. Pupils are assessed in Reading, Listening, Speaking and Writing

Course Details

The aim is to build on what has been learned in National 5, improving fluency and accuracy. Pupils develop a better awareness of how the language works, so that they can tackle more sophisticated tasks. We move on from the basic personal language, and there is now a greater emphasis on being able to understand different points of view, on being able to express a point of view and to exchange ideas accurately in spoken and written language. We also expect pupils to take more responsibility for their learning.

Reading, Listening, Speaking and Writing skills are developed throughout the course by studying the following contexts:

Society – Family and Friends
Lifestyles
Media
Global Languages
Citizenship

Learning – Learning in context
Education
Lifelong Learning
Future Plans

Employability – Jobs
Work and CVs

Culture – Planning a Trip
Other Countries
Celebrating a Special Event
Film and Television
Literature

Assessment

There is internal and external assessment. For the optional internal units, pupils must pass one assessment in each skill (Reading, Listening, Speaking and Writing) The final exam is made up of a speaking assessment, carried out with the class teacher, a writing assignment carried out in class, and two exam papers:

Paper 1: Reading and Directed Writing**Paper 2: Listening**

Each skill being assessed will make up approximately 25% of the final mark. The SQA will confirm exact weightings soon

Homework

There will be 2-3 hours set homework per week

Course Modern Studies

Level Higher

Entry Requirement S4 → S5	Modern Studies National 5 Grade A-C and/or another Social subject plus a National 5 Grade A-C in English, alongside teacher recommendation if necessary.
Entry Requirement S5 → S6	Higher A-B in another Social Subject and/or English, alongside teacher recommendation if necessary.

Progression Route: Advanced Higher Modern Studies

Careers: Modern Studies provides a useful qualification for a wide range of careers e.g journalism, law, politics, civil service, television, police & social work and the health service

Course Format

Unit 1	DEMOCRACY IN SCOTLAND AND THE UNITED KINGDOM
Unit 2	SOCIAL ISSUES IN THE UK: CRIME AND THE LAW
Unit 3	INTERNATIONAL ISSUES: WORLD POWER: CHINA

Course Details

Modern Studies provides pupils with a sound knowledge and understanding of the world in which they live. The course encourages them to explore social, economic and political issues in the UK and abroad and leads to the 'core skill' of 'Critical Thinking'. The course will encourage learners to develop important attitudes including: an open mind and respect for the values, beliefs and cultures of others; openness to new thinking and ideas and a sense of responsibility and global citizenship.

Course Outline

Democracy in Scotland & the UK: The study of representative democracy in Scotland and/or the United Kingdom, the ways in which citizens are informed about, participate in, and influence the political process. Skills in detecting and explaining the degree of objectivity in political contexts.

Social Issues: Crime & the Law: The role of law in society. Theories and causes of crime. The impact of crime on society. Methods of tackling crime and their effectiveness. Researching and evaluating a range of written, numerical and graphical sources of information in order to make and justify decisions.

China: Political system and process. Recent socio-economic issues. Role in international relations. Evaluating a range of written, numerical and graphical sources of information in order to draw and support conclusions.

Methods of Learning: Pupils will use a wide variety of resources – PowerPoint, textbooks, DVDs and the Internet, visiting speakers and outside visits where appropriate. There will also be opportunities for debating, presentations and participation in outside competitions relating to the subject where appropriate. The investigative and critical thinking activities in this Course give learners important experience in contributing to group work and also working on their own. Learners will acquire attributes which will be important for their life and work.

Form of Assessment: This comprises a mixture of internal outcomes and external assessment which must be passed before a pupil can be presented for the exam. Each unit is internally assessed and there is an end of course externally assessed exam in the summer.

Homework will involve:

1. Assignments related to key aspects of the course
2. Exercises based on exam questions
3. Background reading and viewing of relevant current affairs television programmes.

Department	MUSIC
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Course

Music

Level

Higher

Entry Requirement S4 → S5	National 5 Grade A with good passes in understanding and composing
Entry Requirement S5 → S6	As above or by audition and written examination

Progression Route:

Advanced Higher Music/College/University/Vocational Work Schemes

Careers:

Performer, composer, journalist, teaching both primary and secondary, sound engineer, media and TV, radio, film industry, music therapy, computer games design, graduate training schemes, music theatre.

Course Format

Unit 1	PERFORMING
Unit 2	UNDERSTANDING
Unit 3	COMPOSING

Course Details

This course is designed with three groups of pupils in mind, the music lover who wishes to study music for pleasure, the pupil who is an able musician and would like to use music as one of their Highers to enter any university course and the pupil who wishes to continue with music into further education.

The Course consists of a Performance exam worth 60% and a Written Paper worth 40%. You will study performance on two instruments, both worth 30% each of the overall mark. You can play any style of music as long as it is of an appropriate standard (grade 4 or equivalent). The overall performance time on both instruments should amount to 12 minutes with a minimum of 4minutes on one instrument.

The Written paper tests musical knowledge and understanding from The Renaissance through to the present day.

Also, as part of the course you will also compose music, and explore the social and cultural influences on a musical genre of your choice.

Course Philosophy

Level Higher

Entry Requirement S4 → S5	English or a Social subject at National 5 or Interview with Curriculum Leader
Entry Requirement S5 → S6	English or a Social subject at National 5 or equivalent or Interview with Curriculum Leader

Progression Route: Pupils with either an A or B pass at Higher Philosophy may wish to progress to Advanced Higher RMPS

Careers: Journalism, teacher, nursing, doctor, lawyer, social worker, archaeologist, psychologist, politician

Course Format

Unit 1	Arguments in Action
Unit 2	Knowledge and Doubt
Unit 3	Moral Philosophy

Course Details

Three units plus Assignment

Philosophy involves an exploration about knowledge, morality and the world we live in. This course enables you to become more aware of the complexity of everyday and philosophical questions and arguments. The course aims to challenge you to think clearly about problems by asking questions about the world we live in. you will develop the ability to analyse and evaluate philosophical positions and arguments to develop your own reasoning skills.

The three key skills that are covered in the course are analysing, evaluating and presenting a reasoned view.

Philosophy: Arguments in Action – in this unit we develop our ability to analyse and evaluate arguments. We will develop knowledge on argument structure, philosophical techniques and common errors that people make in reasoning. We will examine issues such as plausibility, ambiguity and examine the different components of an argument.

Philosophy: Knowledge and Doubt – in this unit we will analyse and evaluate theories of knowledge such as rationalism, scepticism and empiricism. Looking at philosophers such as Descartes and Hume and concepts such as the unreliability of the senses or the dream argument.

Philosophy: Moral Philosophy – we will analyse and evaluate moral principles such as Kantian and Utilitarian theories. We will examine how these moral theories might respond to a moral situation as well as presenting out own viewpoints on the response.

Assignment: For the Assignment pupils must choose a philosophical issue for study. This is mainly self-directed with support from the teacher. They will carry out an in-depth study of the different viewpoints and present a well-reasoned and focused argument. Worth 30 Marks – 33% of the total mark. With an emphasis on the application of skills 20 marks for skills 10 marks for Knowledge and understanding of the issue.

Homework: 2 -3 hours per week.

Course Physical Education

Level Higher

Entry Requirement S4 → S5	National 5 PE A/B pass. A very keen interest in Sport & Physical Activity. Pupils who are performing/playing sport at a high level.
Entry Requirement S5 → S6	National 5 PE pass. A very keen interest in Sport & Physical Activity. Pupils who are performing/playing sport at a high level.

Progression Route: Higher PE will provide progression to Advanced Higher Physical Education, Higher National Certificates, Higher Education degrees, further study, employment and/or training.

***Edinburgh University** head of admissions stated, “the university views Higher Physical Education on an equal basis as other subjects”.*

***Glasgow University** head of admissions stated, “please encourage your students to study Higher PE and I look forward to receiving applications for any discipline that contains this qualification”.*

Careers: Sports Administration, Sports Medicine, Sports Science, Sports Coaching, Sports development and Physical Education Teaching.
Higher PE is regarded as **equal in value to all other subjects** (such as Maths, English, etc) and applicants will never be discriminated against (Glasgow University states).

Course Format

Assessment	Practical Performance (60%) and Final Exam (40%)
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Course Details

The purpose of Higher PE is to develop critical thinking and problem-solving through practical and theory learning experiences. Higher PE enables learners to develop their analysis skills, positive attitudes and attributes in performance and physical activity contexts and to transfer these to other contexts.

Learners will develop the ability to use strategies to make appropriate decisions for effective performance. They will also analyse a performance, looking specifically at the impact of mental, emotional, social and physical factors, understand what is required to develop it and then apply this knowledge to their own performance.

By actively participating in physical activities, learners will demonstrate initiative, decision-making and problem-solving. They will experience a range of roles and responsibilities, and this will enable them to develop their interpersonal skills.

Assessment 1: Performance (60%)

Assessment of the pupil’s ability to plan, prepare for, perform and evaluate their own personal performance in **one** physical activity. Pupils can choose their physical activity/sport

Assessment 2: Examination Paper (40%) – Final Exam

Assessment of the pupil’s ability to integrate and apply knowledge and understanding from across the Units.

Department**PHYSICS****Course** Physics**Level** Higher

Entry Requirement S4 → S5	National 5 pass in Physics at grade A to C Pupils <u>must</u> also be taking Maths in S5
Entry Requirement S5 → S6	National 5 pass in Physics, Chemistry or Biology and also a pass or studying Higher Maths in S6

Progression Route: Higher Physics, along with Higher Maths, is essential for pupils considering studying Engineering at College or University. Pupils gaining an A or B at Higher could proceed to Advanced Higher

Careers: Higher Physics may be useful for pupils considering a range of careers in the Sciences Engineering, Medicine, Sports Science, Architecture and Finance.

Course Format

Unit 1	OUR DYNAMIC UNIVERSE
Unit 2	ELECTRICITY
Unit 3	RESEARCHING PHYSICS
Unit 4	PARTICLES AND WAVES

Course Details

This course is designed to increase pupil's knowledge and understanding of the concepts of Physics and its many applications in modern society. It provides the opportunity to develop skills necessary to find solutions to scientific problems, such as experimenting, investigating and analysing, and gives a deeper insight into the structure of the subject. The course makes a valuable contribution to your general education and provides a sound basis for further study at a more advanced level.

Assessment: Units 1, 2 and 4 have unit assessments similar to the key area assessments sat at Nat 5 level. The Researching Physics Unit involves a practical investigation along with some research. There is also an assessed experimental write up and an Assignment to complete during the year.

Higher Physics is a challenging course which demands commitment, application and effort.

Homework is issued on a weekly basis and its completion recorded as satisfactory or unsatisfactory. Satisfactory completion of homework is regarded as essential consolidation of coursework and failure to complete it will result in parents being informed.

Course Religious, Moral and Philosophical Studies

Level Higher

Entry Requirement S4 → S5	English or a Social subject at National 5 or Interview with Curriculum Leader
Entry Requirement S5 → S6	English or a Social subject at National 5 or equivalent or Interview with Curriculum Leader

Progression Route: Pupils with either an A or B pass at Higher RMPS may wish to progress to Advanced Higher RMPS

Careers: Journalism, teacher, nursing, doctor, lawyer, social worker, archaeologist, psychologist

Course Format

Unit 1	WORLD RELIGION
Unit 2	MORALITY AND BELIEF
Unit 3	RELIGIOUS AND PHILOSOPHICAL QUESTIONS

Course Details

Three units plus Assignment

Religion is one of the most powerful forces the world has ever known; all societies contain elements of religious belief. Scotland is no different and our society is still influenced by the many religious faiths as well as by viewpoints independent of religious belief. RMPS deals with the “big questions” in life; in the course we look analytically at the response to these questions and encourage you to treat them critically and analytically. The aim of the course is to develop a philosophical approach to the study of beliefs, values and issues which are of importance in the world today. To analyse and think critically about our own beliefs and those of others.

World Religion: Within this unit we will examine one religion with an in-depth analysis of the beliefs and practices, with a particular focus on the impact on people’s lives. We will choose one religion from Buddhism, Christianity, Islam, Hinduism or Judaism.

Morality and Belief: In this unit we undertake an evaluation one of the moral issues facing the world today. Possible topic areas include: Religion and Justice; Religion and Relationships; Religion, environment and Global issues; Religion, Medicine and the Human Body; Religion and Conflict. We will look at religious and non-religious viewpoints on the issue as well as examining our own beliefs and ideas.

Religious and Philosophical Questions: In this unit we will choose one unit and examine it from religious and non-religious perspectives. The topics we will choose from are: The Origins of Life; The Existence of God; The problem of Evil and Suffering; Miracles.

Assignment: For the Assignment you must choose a Religious, moral or philosophical issue for study. This is mainly self-directed with support from the teacher. You will carry out an in-depth study of the different viewpoints and present a carefully structured conclusion. Worth 30 marks – 33% of the total mark. With an emphasis on the application of skills 20 marks for skills 10 marks for knowledge and understanding of the issue.

Homework: 2 - 3 hours per week.

Department**ART & DESIGN****Course** Art & Design**Level** Advanced Higher / Art College portfolio preparation

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher at A or B pass. Possible entry with a C pass after discussion with Curriculum Leader

Progression Route: To first year study at a University or Art College practical arts course.**Careers:** Career paths that would benefit from this course, in addition to all of the creative industries, would be Primary Teaching and Media Studies.**Course Details**

The Advanced Higher Course is essentially a project based course where the pupil decides to undertake either a Design Project or an Expressive Project.

The course requires enthusiasm, commitment and the ability to work independently. It is ideal for pupils who have a high level of ability and interest in Art & Design and want to take their learning further.

The course will also provide the basis for an entrance folio for first year study at an art college, architecture and other folio courses.

Course Content

Pupils will work on a larger scale, and have a personal studio area to work during their study time. We expect pupils to visit art galleries and take part in the many workshops and opportunities offered by museums and galleries in Edinburgh. They will also learn more about the work of artists and designers and their relation to careers and professional practices.

At the start of the course pupils will follow a similar generic course of activities which will open out into more personalised study as the course progresses.

Pupils will be expected to commit to a significant amount of personal study outside class time and need to be aware of this when planning their S6 course choice.

Please Note:

The entry requirements for specialised art college courses have changed recently, and pupils considering applying to art college after S6 are strongly advised to apply to the one year full-time folio course at Edinburgh College (formerly Telford College), which provides a specialist portfolio course for direct entry to the second year departments in art college, for example sculpture, fashion, illustration, product design etc.

Course Biology

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher Grade A or B in Biology or Human Biology

Progression Route: Pupils may find this subject useful if going on to study medicine, veterinary medicine, dentistry, any bioscience, Sport & Exercise or PE at college or university and may be eligible for advanced entry into year 2 of a degree program.

Careers:

Course Format

Unit 1	BIOLOGY, CELLS AND PROTEINS
Unit 2	ORGANISMS AND EVOLUTION
Unit 3	INVESTIGATIVE BIOLOGY

Course Details

Unit 1 covers study of:

- Lab techniques for biologists
- proteins

Unit 2 covers study of:

- Field techniques for biologists
- Organisms

Unit 3 covers study of:

- Scientific principles and processes
- Experimentation
- Critical evaluation of biological research

Project

- An investigation of a biological nature involving experimenting, fieldwork etc. Written up in approximately 2000 words and normally completed outside of class time. Worth approx. 25% of final mark.

Homework

Considerable homework is expected to keep up and complete the investigation. The Units 1 and 2 have distance learning possibilities as SCHOLAR units are available on-line through Heriot-Watt University. Each unit has a NAB.

Department	CHEMISTRY
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Course

Chemistry

Level

Advanced Higher

Entry Requirement S5 → S6 Higher Requirement	CFE Higher Chemistry Grade A, B or C <i>This course is not suitable for anyone wanting to take Chemistry for the first time</i>
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Course Format

Unit 1	CHEMICAL CHANGES AND STRUCTURE
Unit 2	NATURES CHEMISTRY
Unit 3	CHEMISTRY IN SOCIETY
Unit 4	RESEARCHING CHEMISTRY (Individual Practical Investigation)

Future Careers Areas

Chemical engineer
Forensic scientist
Finance (accountancy)
Analytical chemist, Healthcare scientist, clinical biochemistry.
Pharmacologist
Research scientist (physical sciences)
Toxicologist

Course Details

Advanced Higher Chemistry continues to develop problem solving, practical skills and knowledge and understanding by a more in depth study of the major branches of the subject. Particular emphasis is placed on application of knowledge.

Initial experimental work will be completed at a visit to the **University of Edinburgh Chemistry Department at the end of June (tbc)**. Assessments will be similar to that at Higher with students completing a portfolio of *Key Area* assessments.

Students will complete an individual practical project as part of the Researching Chemistry Unit and will work unsupervised after completing the necessary risk assessments.

Home study should involve a **MINIMUM** of 3 hours per week. In addition, pupils are expected to allocate additional time during the school week for independent study, practical work and accessing the Heriot-Watt Scholar programme.

Department

COMPUTING

Course Computing Science

Level Advanced Higher

Entry Requirement S5 → S6 eg Higher Requirement
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S6 pupils only. Higher in Computing Science at grade A-C.

Progression Route: Gaining an award at Advanced Higher in Computing Science could lead to further study at college or university courses in a range of IT related careers such as Computer Science, Information Systems or Multimedia.

Course Format

SOFTWARE DESIGN AND DEVELOPMENT UNIT

INFORMATION SYSTEM DESIGN AND DEVELOPMENT UNIT

PROJECT

Course Details

The Course provides an understanding of the key technologies that underpin our Modern digital world, and develops a wide range of transferable skills. It brings together elements of technology, computing science and creative digital media, and applies these to real-world contexts and challenges.

Software Design and Development

This Unit explores a range of advanced concepts and processes relating to software design and development, including the use of standard algorithms, structured data types and a range of programming constructs. Students will develop skills in developing well-structured and complex modular programs through practical tasks in a programming language.

Information System Design and Development (Advanced Higher)

This Unit explores a range of advanced concepts and processes relating to the design and development of complex information systems. Students will develop skills in developing and implementing complex information systems through practical tasks. Students will develop their independent learning skills by investigating a contemporary development, describing its purpose, features and applications, a related technical challenge or current area of development, examining its legal and/or ethical implications, and evaluating its environmental, economic and/or social impact.

Assessment

Component 1 — project

The purpose of the project is to assess practical application of knowledge and skills from across the Course to develop a solution to an appropriately challenging and complex computing science problem. It will assess students' skills in planning and designing a solution to a problem, implementing and testing a solution, and evaluating and reporting on that solution. The assignment will have 90 marks (60% of the total mark).

Component 2 — question paper

The purpose of the question paper is to assess breadth of knowledge from across the Course, depth of understanding, and application of this knowledge and understanding to answer appropriately challenging questions (40% of total mark).

It may be possible to complete Oracle Certified Associate award in Java Fundamentals as part of the Software Development unit.

Course Database Design and Programming (Oracle)

Level Industry certification Qualification in Database design (Oracle Certificate Associate). Database unit at Higher level in Information Systems

Entry requirements S4 -> S5	N/A
Entry requirements S5 ->S6	Higher Computing OR Higher Mathematics; Basic keyboard skills

Progression routes: This award will prepare pupils for a range of university-level courses in IT and Computing. It can also give them the IT skills they need to compete in today's job market. Oracle is an international company and their qualifications are recognized throughout the world.

Course Details

The World Wide Web relies heavily on relational databases to allow users to search for and find information. On sites like Amazon or IMBD the search facility is crucial to the success of the users in finding what they want with minimum effort. The database systems used by these web sites are designed and created by very skilled people. Organisations such as banks, airports and insurance companies rely on Oracle systems to run efficiently.

The Oracle Academy aims to give you some of the initial skills and understanding required in the professional workplace and the opportunities that could result from acquiring them. It aims to provide you with the necessary skills to pursue academic and professional opportunities in the field of IT.

This course begins by looking at the design of relational databases using entity relationship modeling and normalisation. You will learn to use SQL (structured query language) - "The language of the database" – to create, store and query data.

The course is run using on-line teaching materials which can be accessed in school and can also be accessed at home or in the local library for out of school study.

Studying this course lets you demonstrate what you have learned through hands-on labs, collaborative projects, problem solving exercises, and project management opportunities.

Homework

Pupils will be expected to access the tutorials both in school and at home. Practical exercises will need to be completed regularly. Using the on-line tutorials, pupils will be expected to revise for tests and the final examination.

Department**DRAMA****Course**

Drama

Level

Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher Drama Grade A Higher English Grade A/B

Progression Route:

Further/Higher Education

Careers:

Theatre, Law, Media, Design, Technical Theatre, Medicine, Education

Course Format

Unit 1	DRAMA SKILLS
Unit 2	PRODUCTION SKILLS

Course Details

In Advanced Higher Drama you will be expected to work independently to research theatre practitioners, theatre companies and playwrights. You will analyse theory and performance and apply your experiences and knowledge to your own performance as an actor, director or designer.

Drama Skills: You will research and explore a theatre practitioner's methodologies and productions. You will then devise, direct and design your own theatrical statement.

Production Skills: You will research a second practitioner and analyse their influence on contemporary theatre performances. You will explore and apply your research and knowledge as an Actor, Director or Designer. You will undertake a practical exam specialising in either Acting, Directing or Design. This is worth 60% of the overall grade. You will also complete a 3000 word project, worth 40% of the final grade.

Homework

You will be expected to complete preparatory and research based and/or essay tasks on a weekly basis.

Course Engineering Science**Level** Advanced Higher**Entry Requirement S5 → S6**Higher A/B pass in Engineering Science **or** Physics**Progression Route:**

- ◆ degrees in Engineering and related disciplines
- ◆ a range of engineering related Higher National Diplomas (HNDs)

Careers: Careers in Engineering**Course Format**

Unit 1	ENGINEERING PROJECT MANAGEMENT
Unit 2	ELECTRONICS AND CONTROL
Unit 3	MECHANISMS AND STRUCTURES

Course Details

This course aims to:

- ◆ extend and apply knowledge and understanding of key engineering concepts, principles and practice through independent learning
- ◆ understand and apply the relationships between engineering, mathematics and science
- ◆ develop skills in investigation and research in an engineering context
- ◆ analyse, design, construct and evaluate creative solutions to complex engineering problems
- ◆ communicate advanced engineering concepts clearly and concisely, using appropriate terminology
- ◆ develop an informed understanding of the role and impact of engineering in changing and influencing our environment and society, including ethical implications

The course will also give learners the opportunity to develop thinking skills and skills in numeracy, employability, enterprise and citizenship.

Department**ENGLISH****Course**

English

Level

Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher English A or B

Progression Route:

English is recognised by prestigious universities such as those in The Russell Group as a key 'facilitating' subject which shows a level of ability with language, argumentation and analysis desirable for any subject. It is particularly useful for Literature, International Relations, Languages/Linguistics, Law, Philosophy, History, Politics, Psychology, Theatre studies and Media and communication awards. 'STEM' subjects are starting to use the quality of a candidate's English pass as a discriminating factor when offering entry to high-demand courses such as Medicine and Veterinary Medicine and view AH level English as a desirable subject, sharing a high level of analytical, evaluative and communicative skills. Careers such as in the Civil Service also expect a candidate to possess a good pass in English, regardless of university degree subject.

Careers:

English is applicable to a huge variety of careers. Common careers are journalism, publishing, research and information skills/librarianship, speech and language therapy, linguistics, media and advertising, law, politics, advocacy work, hospitality and tourism management, amongst others.

Course Format

Unit 1	ANALYSIS AND EVALUATION: reading of fiction and non-fiction for internal assessment and final exam; production of dissertation
Unit 2	CREATION AND PRODUCTION: Folio of Writing

Course Details

The Advanced Higher course follows a broadly similar structure as the Nat 5 and Higher, with two units familiar to all. However, A & E now includes compulsory unseen textual analysis as well as a critical essay on literature, and the Literature Dissertation. C & P requires a Folio of two pieces of writing as well as a writer's log detailing progress and editing towards the final piece. All internal assessment standards must be met before sitting the final exam. The course provides learners with the opportunity to apply critical, analytical and evaluative skills to a wide range of sophisticated texts from different genres. Learners will develop sophisticated writing skills.

Please note: at this level, candidates must be able to work and think independently, read and discuss critically, and cope with a high level of demand for reading and essay writing. **Pupils wishing to progress to Advanced Higher must show a genuine interest in literature and creative writing, along with a commitment to engage in university-level discussion and research. This is not the course for you if you haven't voluntarily read a book since S2, no matter how much you enjoyed Higher!**

Assessment:

1 x Literature essay 25 marks

1 x unseen textual analysis 15 marks

plus Folio (two pieces, total of 30 marks) and 2,500 – 3,000 word Dissertation of Literature (30 marks)

Homework will take at least four hours per week, and significantly longer at key times such as Dissertation drafts and deadlines. It is the pupil's responsibility to arrange meetings with their Dissertation Supervisor, on a regular basis. Failure to meet deadlines, including for Creative Writing, **will result in removal from the course.**

Course

Geography

Level

Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher Geography A or B pass

Progression Route:**Careers:**

Geography complements both the social and natural sciences and offers career paths in research, mapping and GIS, climatology, urban planning, community development and environmental management, as well as tourism, civil engineering and quantity surveying and business. In higher education the qualification is valued as an entry qualification to Arts, Social Science and Science faculties in many universities.

Course Format

Unit 1	GEOGRAPHICAL METHODS AND TECHNIQUES
Unit 2	GEOGRAPHICAL STUDY

Course Details

The course focuses on Geographical Skills and is split up into 3 units.

Geographical Methods and Techniques Unit: concentrates on map interpretation, gathering and processing techniques and statistical data handling. Practice using these skills is essential for completing the geographical study in the Geographical issues unit.

Geographical Issues Unit: This will be assessed by the production of a folio comprising:
Section A: Geographical Study — a report on geographical research.
Section B: Geographical Issue — a critical evaluation of an issue from a geographical perspective.

Final Exam: This will include 3 questions including detailed map interpretation, gathering and processing techniques and data handling.

Self-Study

Pupils must be prepared to spend at least 3 hours per week following up classwork and/or preparing for assessments.

Additional Information

Today, the importance of Geography and the significance of contemporary geographical research is clearly apparent when applied globally and nationally in a continually changing world repeatedly facing environmental, political and economic issues. Geography examines how the physical world is shaped, how it affects human activity.

Course History

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher A or B in a Social Subject and English, alongside teacher recommendation if necessary.

Progression Route: University - Pupils who complete the course may be eligible for advanced entry into Year 2 of a degree programme at a Scottish University

Careers: Law, Philosophy, Politics; International Relations and Journalism, Diplomatic careers, jobs in Arts and Humanities as well as Sciences and Medicine

Course Format

Unit 1	HISTORICAL STUDY (8) - SOUTH AFRICA: 1910-1984
Unit 2	HISTORICAL RESEARCH RELATED TO TOPIC STUDIED IN UNIT 1

Course Details

An extremely popular and interesting course which looks at the emergence of the apartheid regime in South Africa, from the earliest origins of white supremacy laid down by the Act of Union in 1910, to the social, political and economic impact of successive apartheid legislation on the lives of blacks. The course focuses on the issue of race and class conflict in a rapidly industrialising society and of international pressures on that society. Key themes discussed will be ideology, authority, rights and resistance as well as the role played by US and UK governments. Learn about the key individuals who took vital parts in this tragic story of South Africa's past. From oppressors to resisters, like PW Botha, Nelson Mandela, Ghandi and Steve Biko, this course will help develop empathetic skills within pupils.

The course allows pupils to acquire an in-depth knowledge of a particular country under a political regime. Pupils will build skills of analysing issues, developments and events, drawing conclusions and evaluating the sources. The course is run along the lines of a series of university-style seminars and tutorials with pupils making regular input and assuming responsibility for and control of their own learning under the leadership of their teacher. Pupils are given membership of Edinburgh University Library and are expected to make use of this facility to produce a comprehensive dissertation on a related topic of their choice.

There are 2 units on the course.

Unit 1 is a thorough survey of the period. Essays and document based work will be regularly completed.

Unit 2 covers the production of a 4000 word project (dissertation) on an issue explored in Unit 1. Each pupil chooses the issue s/he wishes to explore. For the final assessment a paper of 3 hours is completed. It comprises two essay questions each of 25 marks and 3 document questions totalling 40 marks. The completed and submitted dissertation, for which up to fifty marks can be awarded must be completed by the Spring and marked by the SQA.

Course Mathematics

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher Mathematics A or B

Progression Route This course offers an introduction to a broad range of mathematical techniques, meeting the needs of those pursuing a wide variety of post school studies and careers. The course is suitable for all who wish to follow a degree course in Mathematics, Physics, Chemistry, Engineering or Computing.

Course Format

Unit 1	METHODS IN ALGEBRA AND CALCULUS (AH)
Unit 2	APPLICATIONS IN ALGEBRA AND CALCULUS (AH)
Unit 3	GEOMETRY, PROOF AND SYSTEMS OF EQUATIONS (AH)
	PREPARATION FOR COURSE ASSESSMENT

Course Details

Unit 1 – Methods in Algebra and Calculus (AH) Applying algebraic skills to partial fractions; applying calculus skills through techniques of differentiation; applying calculus skills through techniques of integration; applying calculus skills to solving differential equations.

Unit 2 - Applications in Algebra and Calculus (AH) Applying algebraic skills to the binomial theorem and to complex numbers; applying algebraic skills to sequences and series; applying algebraic skills to summation and mathematical proof; applying algebraic and calculus skills to properties of functions; applying algebraic and calculus skills to motion and optimisation.

Unit 3 – Geometry, Proof and Systems of Equations (AH) Applying algebraic skills to matrices and systems of equations; applying algebraic and geometric skills to vectors; applying geometric skills to complex numbers; applying algebraic skills to number theory; applying algebraic and geometric skills to methods of proof.

Course assessment This is graded and assesses

- mathematical reasoning skills to think logically, provide justification and solve problems
- reasoning skills to interpret information and to use complex mathematical models
- explaining and justifying concepts through rigorous proof

To achieve success in the exam, learners must show that they can apply knowledge and skills acquired across the course to unseen situations.

Homework: 3-4 hours per week

Course Mathematics of Mechanics

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher Mathematics A or B

Progression Route This course offers a depth of mathematical experience that is relevant to further study or employment in Mathematics & Applied Mathematics, Physics, Engineering, Design and Architecture.

Course Format

Unit 1	LINEAR AND PARABOLIC MOTION (AH)
Unit 2	FORCE, ENERGY AND PERIODIC MOTION (AH)
Unit 3	MATHEMATICAL TECHNIQUES FOR MECHANICS (AH)
	PREPARATION FOR COURSE ASSESSMENT

Course Details

Unit 1 – Linear and Parabolic Motion (AH)

Applying skills to

- motion in a straight line
- vectors associated with motion
- projectiles moving in a vertical plane
- forces associated with dynamics and equilibrium

Unit 2 - Force, Energy and Periodic Motion (AH)

Applying skills to

- principles of momentum, impulse, work, power and energy
- motion in a horizontal circle with uniform angular velocity
- simple harmonic motion
- centres of mass

Unit 3 – Mathematical Techniques for Mechanics (AH)

- applying algebraic skills to expansion of expressions and to partial fractions
- applying calculus skills to differentiation of functions
- applying calculus skills through techniques of integration
- applying calculus skills to solving differential equations

Homework: 3-4 hours per week.

Course Mathematics – Statistics

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher Mathematics A or B

Progression Route This course offers a depth of mathematical experience that is relevant to further study or employment in:

- Mathematical & Physical Sciences
- Computer Science
- Medicine & Biological Sciences
- Accounting, Economics, Business & Management
- Social Sciences

Course Format

Unit 1	DATA ANALYSIS AND MODELLING (AH)
Unit 2	STATISTICAL INFERENCE (AH)
Unit 3	HYPOTHESIS TESTING (AH)
	PREPARATION FOR COURSE ASSESSMENT

Course Details

Unit 1 – Data Analysis and Modelling (AH) Applying skills to

- data collection, presentation and interpretation
- probability theory
- discrete random variables
- particular probability distributions

Unit 2 – Statistical Inference (AH)

- applying skills to sampling and central limit theory, intervals and estimation and bi-variate analysis.
- carry out a statistical investigation by collecting and analysing relevant information and communicating the conclusion.

Unit 3 – Hypothesis Testing (AH)

- applying skills to parametric tests, non-parametric tests and bi-variate tests.
- carry out a statistical test by posing the hypothesis, collecting & analysing data and communicating the conclusion.

Homework: 3-4 hours per week.

Course French, German & Spanish

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher Level A or B

Progression Route Modern Language at University. This can be combined with a wide range of other subjects and offer the chance to study abroad.

Careers include Interpreting, Translating, Travel and tourism, Engineering, Scientific research, Games manufacturing/design/testing, (and last but not least!) Teaching

Course Format

Mandatory Unit	UNDERSTANDING LANGUAGE (Reading & Listening) AND USING LANGUAGE
Optional Unit	OPTIONAL UNIT (Extended Reading/Viewing)
Optional Unit	OPTIONAL UNIT (Language in Work)

Course Details

Advanced Higher is aimed at a broader range of pupils, than just those who want to study languages in Higher Education. There is much value in an award at Advanced Higher, as an extra skill to bring to a wide range of degree. The aims are to develop what was learnt for Higher, in terms of fluency, accuracy and sophistication. The expression of opinions and exchanging of ideas stressed at Higher will be taken forward to more complex cultural topics. As we begin to consider current affairs from the viewpoint of those living in the country of the target language, there will be a greater opportunity to compare and contrast these issues with our experience in Britain. The mandatory unit develops skills by studying the following contexts:

Society – Personal Relationships
Lifestyles
Media
Globalisation
Citizenship

Learning – Learning in context
Education

Employability – Jobs
Work and CVs

Culture – Planning a Trip
Other Cultures
Traditions, Customs and Beliefs
Film and Media
Literature of Another Country

Pupils also study one of the optional units. The first optional unit offers the chance to study a cultural or social issues through literature, or a film, or a series of linked texts. You also choose a background topic which could reflect your other interests – in music, history, art, film and so on. The second optional unit offers the chance to study the language of the workplace.

There is an internal and external assessment. For the internal units, pupils must pass one assessment in each skill (Reading, Listening, Speaking and Writing). The final exam is made up of a Speaking assessment, carried out with the class teacher and worth **25%** of the final grade, a Portfolio of two pieces of writing (**15%**) and two exam papers:

Paper 1: Reading (25%) and Translation (10%)

Paper 2: Listening (15%) and Discursive Writing (20%)

Course Modern Studies

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher A or B in Social Subject and English, alongside teacher recommendation if necessary

Progression Route: The Advanced Higher course has been designed to prepare pupils for the working patterns and demands of higher education at Scottish or English universities

Careers: Modern Studies provides a useful qualification for a wide range of careers e.g. journalism, law, politics, civil service, television, police and social work, and the health service

Course Format

Unit 1	POLITICAL ISSUES
Unit 2	PRACTICAL RESEARCH & PROJECT DISSERTATION

Course Details

The Advanced Higher course builds on work covered at Higher. Candidates are required to study the topics 'Political Issues' and 'Researching Contemporary Issues' within the United Kingdom and the USA while adopting an international comparative approach; develop skills of evaluation, analysis and synthesis of evidence on contemporary issues; and critically evaluate a range of social science research methods

Progression of Learning. Pupils gaining an 'A' or 'B' pass in Modern Studies and/or any other Social Subject and/or English could be considered for entry.

Methods of Learning: Pupils will use a wide variety of resources – PowerPoint, textbooks, DVDs and the Internet, visiting speakers, use of Edinburgh University Library and outside visits where appropriate. Pupils will be expected to undertake course reading at home, with time in class used to discuss it in a seminar-style setting. In addition, candidates are expected to be able to undertake parts of the course with minimal supervision.

Form of Assessment: Internal Assessment: a number of Assessment Outcomes need to be successfully completed before the course award can be made. External assessment: one exam paper and a project (dissertation) must be completed. The external exam paper consists of 90 marks, 60 marks being allocated to questions on comparative politics and 30 marks allocated to research methods. The project (dissertation) is worth 50 marks and should not exceed 5000 words. Total marks: 140.

Homework: will involve:-

1. Research for project (dissertation) and course content
2. Exercises based on suitable SQA assessments
3. Background reading from appropriate political journals and current affairs
4. Assignments issued during class

In addition, the Advanced Higher course has been designed to specifically cater for pupils who intend to embark upon a social science course within higher education at either Scottish or English universities.

Department**MUSIC****Course**

Music

Level

Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher Music grade A or by negotiation with Curriculum Leader

Progression Route:

College/University/Employment

Careers:

Performer, composer, journalist, primary and secondary teaching, sound engineer, media and TV, radio, film industry, music therapy, computer game design, graduate training schemes, music theat

Course Format

Unit 1	PERFORMING
Unit 2	UNDERSTANDING
Unit 3	COMPOSITION

Course Details

This course is designed with three groups of pupils in mind. The first is the music lover who wishes to study music for pleasure, the second is the pupil who wishes to gain the qualification for entrance into a non-music course. The final pupil is the young person who wishes to continue studying music in further education.

The Course consists of a Performance exam worth 60% and a Written Paper worth 40%. You will study performance on two instruments, both worth 30% each of the overall mark. You can play any style of music as long as it is of an appropriate standard (grade 5 or equivalent). The overall performance time on both instruments should amount to 18 minutes with a minimum of 6 minutes on one instrument.

The Written paper tests musical knowledge and understanding from The Renaissance through to the present day, anything from electronic dance music to opera!

Also, as part of the course you will also compose music, and explore the social and cultural influences on a musical genre of your choice.

Course Physical Education

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Higher A/B pass. Higher English – A/B Pass. Pupils who are performing/playing sport at a high level.

Progression Route: This Course will provide progression to, Higher Education degrees and further study in physical education and sport. This course will also develop independent research and investigation skills which are vital for college and university courses.

Careers: Sports Administration, Sports Medicine, Sports Science, Sports Coaching, Sports development and Physical Education Teaching.

Course Format

Unit 1	PERFORMANCE SKILLS
Unit 2	FACTORS IMPACTING PERFORMANCE

Course Details

The purpose of this course is to research and analyse factors which underpin and impact on performance, and use this knowledge to develop pupils own performance or that of others. To do this effectively, learners will engage in research and undertake independent investigative work, and develop skills of analysis, evaluation and communication.

Unit 1: Performance Skills: Pupils must select, apply and adapt a repertoire of complex movement and performance skills in challenging contexts in one activity.

Unit 2: Factors Impacting Performance: Investigate factors which impact on personal performance and apply knowledge and understanding to develop and evaluate personal performance.

Assessment 1: Project (70%): In this project, pupils will carry out research into a topic which impacts on performance. This may be an area of interest suggested by what pupils have studied in class, but they are also free to research any other appropriate topic. This may be a topic which impacts either pupils own performance, or the performance of another person, team or group. The report should be between 4,000 and 5,000 words in length.

Assessment 2: Performance (30%): In this assessment, pupils will carry out a high-level single performance. You should carry out a high-level single performance in your chosen physical activity. The context for the performance must be challenging, demanding or competitive.

Course Physics

Level Advanced Higher

Entry Requirement S4 → S5	N/A
Entry Requirement S5 → S6	Physics Higher Grade A or B plus Pass at Higher Maths in S5 or studying Higher Maths in S6

Progression Route: Pupils may find this subject useful if going on to study science or engineering subjects at College or University and may be eligible for advanced entry into Year 2 of a degree programme

Course Format

Unit 1	ROTATIONAL MOTION AND ASTROPHYSICS
Unit 2	QUANTA AND WAVES
Unit 3	ELECTROMAGNETISM
Unit 4	INVESTIGATING PHYSICS

Course Details

This course is designed to provide you with a deeper understanding of the nature of Physics and its applications. It builds on the skills, attitudes and abilities that pupils have developed at Higher level and provides a challenging experience for those who wish to study the subject in greater depth. The study of Advanced Higher Physics encourages an interest in current developments and applications of physics.

Units 1, 2 and 3 are subdivided into smaller sub sections. There is an assessment at the end of each sub section which will involve key area questions along with course level questions.

Pupils will also complete an Investigation consisting of an extended period of practical work and analysis. It is essential that pupils engage with this and commit time at home to writing up their work as it progresses.

Homework: Pupils are expected to be review their notes and do reading and preparation in is given regularly and it is viewed as essential consolidation of coursework.

Department

SCIENCE

Course Scottish Science Baccalaureate Interdisciplinary Project

Level CFE Advanced Higher (0.5 of a full AH course)

Entry Requirement S5 → S6 for the Interdisciplinary Project only (please note the Interdisciplinary Project can be awarded as a standalone unit or as part of the Scottish Science Baccalaureate)	Any Higher pass in Biology, Chemistry or Physics
Higher Requirement	
Scottish Science Baccalaureate	Any Higher pass in Biology, Chemistry or Physics For the award of an overall Scottish Science Baccalaureate graded as a pass or distinction you must be taking a selection of Higher and Advanced Higher courses to qualify. Every pupil will be credited with the IP on their final certificate but some will be credited with the Scottish Science Baccalaureate.

Course Format

Part 1	Progress log (ongoing) and Project Proposal
Part 2	Project Plan
Part 3	Presentation of project findings
Part 4	Evaluation of project
Part 5	Self-evaluation of generic/cognitive skills development

Course Details

The interdisciplinary project:
The project is given a suggested time of 80 hours (this means you should expect up to 160 hours). It must be based on a science investigation or practical assignment, will explore and bring out the relevance of either science in one or more of the following broad contexts:

- ◆ employability
- ◆ enterprise
- ◆ citizenship
- ◆ sustainable development
- ◆ economic development

Must take science and put it into its context and relevance. It will develop the generic core skills sought by employers and universities. Will involve learning environments and experiences outside of school and link to other subjects. You can build on your Advanced Higher work - but is not just an extension of the AH project. It can be completed as part of a group – however, you are assessed as an individual on your own work. **Please note this course will have one period of staff contact per week to oversee the project.**

Course descriptors and Entry requirements for School College Partnership Courses 2018-19

Transport – pupils will be provided with bus tokens to get to college but should make their own return journey

An application form for these courses which run in Column E must be submitted with your final course choice return

Courses are all subject to change beyond control of the school.

If you are selecting a college course or foundation apprenticeship, you must also select a school course as back up.

Course Title	Level	Who should apply?	Expected Progression to Full Time Course	Entry Requirements	Day	Time	Duration	Duration	Location
Life Drawing 1	5	Evening class - available to school pupils over 16	UAL level 3 Diploma Art and Design, UAL Level 3 Foundation Diploma in Art and Design	Studying National 5, Higher or Advanced Higher in Art & Design, Photography, Craft and Technology or Graphic Communication.	Wed Evening	5-7pm	12 weeks		Granton
Life Drawing 2- Analytical Drawing	5	Evening class - available to school pupils over 16	UAL level 3 Diploma Art and Design, UAL Level 3 Foundation Diploma in Art and Design	Studying National 5, Higher or Advanced Higher in Art & Design, Photography, Craft and Technology or Graphic Communication.	Wed Evening	5-7pm	12 weeks		Granton
Life Drawing 2 - Expressive Drawing	5	Evening class - available to school pupils over 16	UAL level 3 Diploma Art and Design, UAL Level 3 Foundation Diploma in Art and Design	Studying National 5, Higher or Advanced Higher in Art & Design, Photography, Craft and Technology or Graphic Communication.	Wed Evening	5-7pm	12 weeks		Granton
Creative Industries Academy Film & Media NPA	6	S5 and S6 pupils	NC Broadcast or NC Media Audio Visual or	Interest in digital video and media industry	Tue & Thu pm	13.45	36 weeks	1 year	Sighthill
Photography NPA	5	S5 and S6 pupils	NC Photography	Interest in Photography	Tue & Thu pm	13.45	36 weeks	1 year	Sighthill
Digital Media Editing NPA	5	S5 and S6 pupils	NC Media Broadcast or NC Media Audio Visual	Interest in media production	Tue & Thu pm	13.45	36 weeks	1 year	Sighthill
Foundation Apprenticeship in Creative and Digital Media	6	Pupils going into S5 who are interested in working in Broadcast Media and are capable of studying at level 6 in a practical context	HND Audio Visual Technology or HND Creative Industries TV (with Multi Camera)	Minimum 3 passes at SCQF level 5 Strong communication and IT skills A good level of written and spoken English English proficiency requirement IELTS 5.5	Tue & Thu pm	13.45-16.45	36 weeks	2 years	Milton Road

Photography Higher	6	S5 and S6 pupils	NC Photography	Interest in Photography	Tue & Thur	13.45-16.15	36 weeks	1 year	Milton Road
Computer Games and Software Development	6	S5 and S6 Pupils	NC Computer Games Software Development, NC computing with digital media level 6	Applicants should have National 5 Maths or studying Higher Maths, with a higher in computing or science.	Tue & Thu pm	13.45	36 weeks	1 year	Granton
Introduction to Computer Games and Software Development	5	S5 and S6 Pupils	Computer Games and Software Development or NC computing with Digital Media Level 5	No formal requirements but applicants must demonstrate an interest in and commitment to the course	Friday pm	13.15-16.30	29 weeks	1 year	Milton Road
Foundation Apprenticeship in Information Technology: Software Development	6	Pupils going into S5 who are interested in working in the IT Sector and are capable of studying at level 6 in a practical context	HND software Development, HND Web Development, HND Digital Design and Development or MA in Software Dev	5 National 4s. 2 National 5s, preferably English and Maths or physics. An interest in a career in the IT industry.	Tue & Thu pm	13.45-16.45	36 weeks	1 year	Milton Road or Midlothian - subject to demand
Music Technology NPA (can be combined with Music Business NPA)	5	S5 and 6 pupils who have an interest in sound production	NC level 5 or 6 Sound Production depending on level of knowledge and experience	Applicants should be studying at higher level and have good writing skills	Tue pm	13.45-16.45	36 weeks	1 year	Milton Road
Music Business NPA (can be combined with Music Technology NPA)	6	S5 and 6 Pupils who have an interest in music business	HND Music Business	Applicants should be studying at higher level and have good writing skills	Thurs pm	13.45-16.45	36 weeks	1 year	Milton Road
Creative Industries Academy: Acting & Performance and Professional Theatre Preparation NPA	6	Students who want to progress on to full-time training in Acting	Creative Industries or QMU	Selection process	Tue & Thu pm	Tue- 14:15-17:15 Thurs 13:30-17:00	36 weeks	1 year	Milton Road
Technical Theatre in Practice NPA	6	Those with an interest in Sound, Lighting and Stage management	NC Creative Industries	An interest in Tech theatre	Fri	11am-12.30pm	36 weeks	1 year	Leith Academy

Foundation Apprenticeship in Civil Engineering	6	Pupils going into S5 who are interested in working in the Civil Engineering Sector and are capable of studying at level 6 in a practical context	HNC/HND Civil Engineering	National 5 maths and physics at level A-C. Applicants must be studying Higher maths in S5 Interest in a career in Civil Engineering	Thurs full day	8.30 -4PM	36 weeks	2 years	Granton
Automotive Skills	4	S4,5,6 pupils who interested in developing automotive skills and want to attend college	IMI certificate in Transport Maintenance	No formal entry requirements	Tue & Thu pm	13.45	36 weeks	1 year	Sighthill
Introduction to Motor Vehicle Industry and Technologies - IMI Entry Level 3 Certificate (SCP)	3	S4,5,6 pupils who interested in developing automotive and mechanical engineering skills	IMI certificate in Transport Maintenance	No formal entry requirements	Tues full day	9.00-4.30	36 weeks	1 year	Midlothian
Skills for Work - Engineering Skills National 5	5	S4,5,6 pupils who interested in developing engineering skills and want to attend college	NC Access to Engineering Systems or Mechanical Maintenance		Tue & Thu pm	14.15-16.15	36 weeks	1 year	Midlothian
Foundation Apprenticeship in Engineering	6	Pupils going into S5 who are interested in working in the Engineering Sector and are capable of studying at level 6 in a practical context	HNC Engineering Systems/HND Engineering Systems with Renewables , Mordern Apprenticeship, Employment or University.	National 5 maths and physics at level A-C Applicants must be studying higher maths in S5 An interest in a career in the Engineering Sector	Tue & Thu pm	13.45-17.00	36 weeks	2 years	Midlothian
Skills for Work Engineering Skills National 5	5	S4,5,6 pupils who interested in developing engineering skills and want to attend college	NC Access to Engineering Systems or Mechanical Maintenance	No formal entry requirements	Tue & Thu pm	14.15-16.15	36 weeks	1 year	Midlothian

Foundation Apprenticeship in Scientific Technologies	6	Pupils going into S5 who are interested in working in the Life Sciences Sector and are capable of studying at level 6 in a practical context	HNC Applied Science, Modern Apprenticeship, employment or University	Achieved or working towards National 5s, in maths and chemistry or physics A good level of written and spoken English A good level of numeracy skills An interest in a career in The Scientific Technology Sector	Tue & Thu pm	13.45-17.00	36 weeks	2 years	Sighthill
Introduction to College	3	S3-S6 pupils who are receiving supported learning or have ASN	Potentially any ACE course - pupils are assessed for suitability for FE and ACE	Desire to participate in Further Education and a positive attitude	Tue & Thu pm		18 weeks		Granton
Introduction to College	3	S3-S6 pupils who are receiving supported learning or have ASN	Potentially any ACE course - pupils are assessed for suitability for FE and ACE	Desire to participate in Further Education and a positive attitude	Tue & Thu pm		18 weeks		Midlothian
Introduction to College	3	S3-S6 pupils who are receiving supported learning or have ASN	Potentially any ACE course - pupils are assessed for suitability for FE and ACE	Desire to participate in Further Education and a positive attitude	Tue & Thu pm		18 weeks		Milton Road
Introduction to College for Schools Level 1/2	3	S3-S6 pupils who are receiving supported learning or have ASN	Potentially any ACE course - pupils are assessed for suitability for FE and ACE	Desire to participate in Further Education and a positive attitude	Tue & Thu pm		18 weeks		Sighthill
Introduction to College for Schools Level 2/3	3	S3-S6 pupils who are receiving supported learning or have ASN	Potentially any ACE course - pupils are assessed for suitability for FE and ACE	Desire to participate in Further Education and a positive attitude	Tue & Thu pm		18 weeks		Sighthill
Introduction to College for Schools Level 3/4	3	S3-S6 pupils who are receiving supported learning or have ASN	Potentially any ACE course - pupils are assessed for suitability for FE and ACE	Desire to participate in Further Education and a positive attitude	Tue & Thu pm		18 weeks		Sighthill
Play and Child Development	4	Senior phase pupils with an interest in the care sector	First Steps / Second Steps / Childhood Practice Level 5	No formal entry requirements	Tue & Thu pm		36 weeks	1 year	Granton
Play and Child Development	4	Senior phase pupils with an interest in the care sector	First Steps / Second Steps / Childhood Practice Level 5	No formal entry requirements	Tue full day	all day - 09:00 - 15:15	36 weeks	1 year	Milton Road

Health and Social Care Academy	5 and 6	S4-S6 who have a genuine interest in employment/further study in health and social care.	National 5 Progression: exit to employment/modern apprenticeships in health or social care/progression to college courses. Higher Progression: exit to employment/modern apprenticeships in health or social care. Would be considered for interview at QMU or other universities for an appropriate degree/progression to college courses.	National 5 Entry requirements: School students in 4th/5th/6th year. 4 National 4's if you want to progress onto health courses at SCQF Level 6 you must have National 4 Biology. Genuine interest in working/studying health and social care. Higher Entry requirements: School student in 5th/6th year. Studying other Highers at school. If you want to progress onto health courses at SCQF Level 6/7 you should be studying National 5 or Higher Biology.	Tue & Thu pm (Some Fri at QMU)	13.45 - 16.30				Milton Road
Health and Social Care Academy	5 and 6	S4-S6 who have a genuine interest in employment/further study in health and social care.	National 5 Progression: exit to employment/modern apprenticeships in health or social care/progression to college courses. Higher Progression: exit to employment/modern apprenticeships in health or social care. Would be considered for interview at QMU or other universities for an appropriate degree/progression to college courses.	No formal entry requirements	Tue & Thu pm (Some Fri at QMU)	13.45 - 16.30				Sighthill
Psychology Higher - Sighthill	6	Only for pupils in 6th year	HNC Social Science	Applicants must have Higher English and one other Higher social subject .	Tue & Thu pm	13.45-16.15	36 weeks	1 year		Sighthill
Psychology Higher - Milton Road - Open Learning	6	Only for pupils in 6th year - Pupils will study in school with support from a lecturer online	HNC Social Science	Applicants must have Higher English and one other Higher social subject .	Tue & Thu pm	13.45	36 weeks	1 year		open learning

Foundation Apprenticeship in Financial Services	6	Aimed at pupils going into S5 who are interested in working in the Financial Services Sector and have the ability to work towards SCQF Level 6 qualification (equivalent to Higher level) in a vocational setting.	HND Accounting HND Business. Direct employment in the financial services sector. Continue studies at college or university. Gain accelerated entry onto Modern Apprenticeship in Providing Financial Services at SCQF Level 6. Gain Entry in Banking, Insurance and Professional Services at SQCF Levels 8/9. Explore options for a related Graduate Level Apprenticeship in Financial Services.	Achieved or working towards National 5s, preferably in maths and English A good level of written and spoken English A good level of numeracy skills An interest in a career in the Financial Services Sector	Tue & Thu pm	13.45-16.45	36 weeks	2 years	Sighthill
Foundation Apprenticeship in Business Skills	6	Aimed at pupils going into S5 who are interested in working in the Business Sector and have the ability to work towards SCQF Level 6 qualification (equivalent to Higher level) in a vocational setting.	HND Accounting HND Business Progression to year 2 Foundation Apprenticeship in Business Skills	A good level of English and numeracy Previous study in a business subject would be advantageous Interest in a career in the Business Sector	Tue & Thu pm	13.45-16.45	36 weeks	2 years	Sighthill
Foundation Apprenticeship in Accountancy	6	Aimed at pupils going into S5 who are interested in working in Accountancy and have the ability to work towards SCQF Level 6 qualification (equivalent to Higher level) in a vocational setting.	HND Accounting HND Business Progression to year 2 Foundation Apprenticeship in Accountancy	Achieved or working towards National 5s, preferably in maths and English A good level of written and spoken English A good level of numeracy skills An interest in a career in Accountancy	Tue & Thu pm	13.45-16.45	36 weeks	2 years	Sighthill
ESOL Higher	6	S4 to S6 Pupils	Mainstream college or university courses	An interest in a career in the Financial Services Sector	Mon/Wed	4 - 6.30pm	36 weeks	1 year	Drummond High School
ESOL National 5	5	S4 to S6 Pupils	Mainstream college courses	National 4 ESOL or assessed as ready for this level	Mon/Wed	4 - 6.30pm	36 weeks	1 year	Drummond High School

ESOL National 3	3	S4 to S6 Pupils	NC ESOL for Employability Level 4	Assessed as ready for this level	Tues/Thurs	4 - 6pm	36 weeks	1 year	Drummond High School
ESOL National 4	4	S4 to S6 Pupils	NC ESOL for Employability Level 5	National 3 ESOL or assessed as ready for this level	Mon/Wed	4 - 6pm	36 weeks	1 year	Drummond High School
VTCT Creative Hairdressing and Make-Up Trends	3	S4 to S6 Pupils	Level 1 Hairdressing, Level 2 Beauty Therapy, Level 2 Consultancy	A written exam and skills test as well as a formal interview	Tuesday	13.45 - 16.45	36 weeks	1 year	Granton
VTCT Creative Hairdressing and Make-Up Trends	3	S4 to S6 Pupils	Level 1 Hairdressing, Level 2 Beauty Therapy, Level 2 Consultancy	A written exam and skills test as well as a formal interview	Tuesday	13.45 - 16.45	36 weeks	1 year	Milton Road
French Advanced Higher	7	For pupils who are interested in languages and wish to study languages at university.	University	Minimum B pass in Higher French. (C pass may be considered subject to interview)	Tuesday afternoon		36 weeks	1 year	Sighthill
Spanish Advanced Higher	7	For pupils who are interested in languages and wish to study languages at university.	University	Minimum B pass in Higher French. (C pass may be considered subject to interview)	See considerations		36 weeks	1 year	Sighthill
French Higher	6	Pupils who are interested in languages	Advanced Higher French	B in National 5 French	Tuesday and Thursday afternoon		36 weeks	1 year	Sighthill
German Higher	6	Pupils who are interested in languages	No offer of Advanced Higher German but if they have two Highers, can progress onto HND Travel and Tourism	B pass in National 5 German	Tuesday and Thursday morning		36 weeks	1 year	Sighthill
Spanish Higher	6	Pupils who are interested in languages	Advanced Higher Spanish	B pass in National 5 Spanish	Monday and Wednesday afternoon		36 weeks	1 year	Sighthill
Events with Hospitality at SCQF Level 6	6	S5 and S6 Pupils	HND Hospitality Management or HND Event Management	National 5 in Hospitality	Tuesday and Thursday	Tues 2-6pm and Thurs 2-5pm	36 weeks	1 year	Milton Road and Granton
Foundation Apprenticeship in Food and Drink Operations	6	S5 pupils	MA in Supervision and Leadership SVQ Level 3	Achieved or working towards Nat 5's – Maths, Chemistry or Physics A good level of written and spoken English A good level of Numeracy skills Good problem solving abilitiesAn interest in working in a scientific technology environment	Tuesday and Thursday	Tuesday 2-6pm and Thursday 2-5pm	36 weeks	2 years	Granton

Introduction to Events Co-ordination	5	For learners with a strong interest in events and being involved in a customer/client focussed industry	NC Events Co-ordination at Level 5 or with One Higher can progress to HN Events Management	4 National 4s in relevant subject areas	Tue and Thurs	13.45	36 weeks	1 year	Milton Road
Skills for Work - Retailing National 5	5	For learners with a strong interest in working in Retail and who enjoy working with people and in teams	NC Retail	4 National 4s in relevant subject areas	Tue and Thurs	13.45	30 weeks	1 year	Sighthill
Skills for Work in Travel and Tourism	5	S5 and 6 who have an interest in the travel and tourism industry	Progression on to NC Level 5 Travel and Tourism. For those who do not achieve the entry requirements, they can apply for Introduction to Retail, Events and the tourism industry.	No formal qualifications	Tuesday and Thursday afternoon	13.45	36 weeks	1 year	Sighthill