

Curriculum Information

S5

&

S6

www.bonessacademy.com
01506 822 028
@Boness_Academy



Foreword from the Headteacher S5 & S6 Curriculum Review

Dear Parent/Carers,

This time of year marks a very important stage in the educational life of our S4 and S5 pupils. At the end of this year your child will move into their next year of the Senior Phase and make further decisions about the subjects they wish to study for their National Qualifications.

At the end of this year they will also have the opportunity to leave school if they wish to pursue their career aspirations. However, I would hope that if this is the preferred route that this is only considered after consultation with their Pupil Support teacher and SDS Careers Advisor. As your son/daughter will be making a choice to stay on at school we will then expect them to adhere to all the school policies and high expectations that are in place within Bo'ness Academy.

This booklet has been prepared so that you know what choices are being offered in S5 and S6 and what they involve. Along with the subjects that will be taught within the school, there is an opportunity to attend Forth Valley College as part of our curriculum. More information on the availability and content of these courses can be found on the college website.

Over the next few weeks we will take great care to ensure that your son/daughter makes the correct choices.

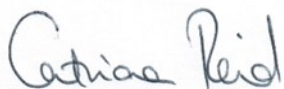
This Curriculum Information booklet provides you with information about all the courses and levels that are available in the Senior Phase. In addition, subject teachers will explain to students the courses on offer in their department.

There will also be an opportunity for you to have a one to one interview with your child's Pupil Support teacher which will enable you to have a more in-depth conversation around the different pathways available as they progress through the Senior Phase.

I hope that you will take some time with your son/daughter to read through this booklet as along with information about each subject it also gives you some idea of the types of career that he/she may progress onto.

Yours sincerely,

Catriona Reid
Head Teacher



Who Can Help?

S5/6 Curriculum Review

Who can help?

It is important that you consider all the options available to you and that you are selecting subjects for the right reasons. You need to select a combination of subjects that reflect your abilities, interests and any career ambitions that you may have. You will be continuing on with most of these subjects in S5.

Who can help you with your course choice?

Yourself: Try to choose subjects that you enjoy and are making good progress in. Will these subjects help you in the future?

Your Parents/Carers: Make sure you discuss your course choice at home before you have the one to one meeting with your Pastoral Head. Your parents/carers will be invited to attend this meeting.

Your Subject Teachers: They are the best people to give you more information about individual subjects and give you an honest assessment of your strengths and areas that you need to develop.

Your Pupil Support Teacher: Your Pupil Support Teacher can offer you help and advice as they have an overview of the progress you are making across all curricular areas.

Skills Development Scotland provides the following support to school pupils:

Website: www.myworldofwork.co.uk offering information and a range of interactive tools to help with career planning and decision making.

School Website

Our school website has a dedicated Careers section which provides a range of support for pupils when selecting subjects and considering career pathways.

Pupils and Parents/Carers can discover more information about available subjects in school as well as courses available to senior pupils through our partnership with Forth Valley College. Additional information around post school destinations is also located here.

Website www.bonessacademy.com Careers/DYW section can be found in the menus.

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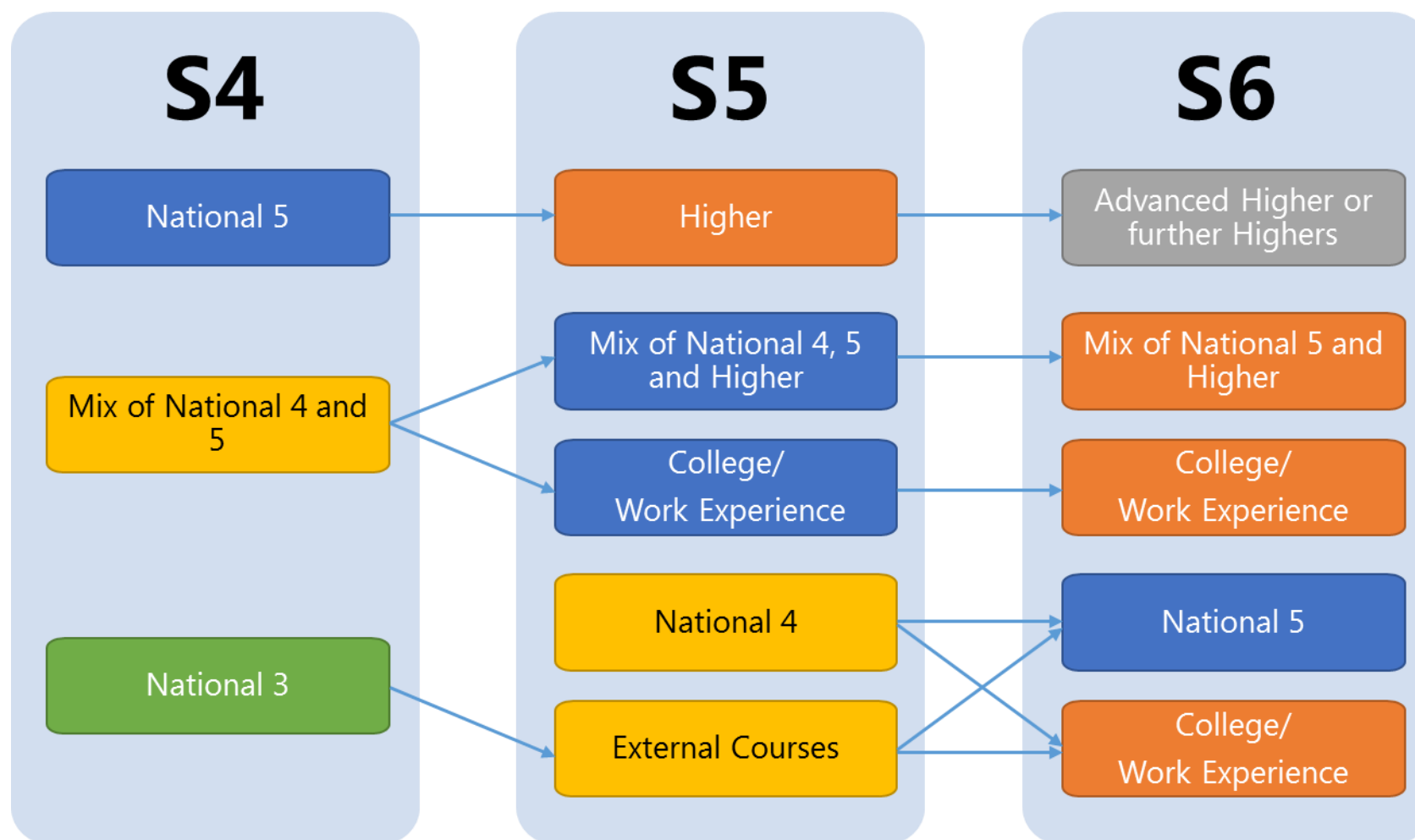
S5 & S6 Curriculum Review

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Pathways

S5 & S6 Curriculum Review

In S5 pupils will be able to study five academic subjects, the level of study will be determined by their performance in the SQA exams at the end of S4. In S5 pupils will also undertake our Wider Achievement Opportunities (WAOs) programme. In S6 pupils will have an opportunity to take a range of subjects at different levels of study depending on their previous SQA results and their chosen career path. Pupils in both S5 and S6 can apply for one of the many vocational courses on offer at Forth Valley College. Applications can be made through the college website.



A large red graphic on the right side of the slide, consisting of a large downward-pointing triangle with a smaller upward-pointing triangle nested inside it, creating a stylized arrow or chevron shape.

Faculty of English, Media & Languages

Head of Faculty Mr J Crawford

Focus areas within the Faculty English

Media Studies

Spanish

French

English National 5

Head of Faculty – Mr J Crawford

Why should I study English?

Studying English and Literacy provides you with skills which are central to your success in school and beyond. Through the study of language, literature and media, you will develop your reading, writing, talking and listening skills, enabling you to develop your ability to contribute and communicate effectively in a range of contexts. Enhancing your knowledge and understanding of language will improve your grades in all subjects as you complete a range of tasks requiring you to use your literacy skills.

What will I learn?

In the English department, you are given opportunities to study a wide range of literature, developing your analysis and evaluation skills and exploring connections between the texts you read and the world we live in. You are also given extensive opportunities to create your own texts, both written and spoken, encouraging you to develop your language skills through producing creative, critical and transactional responses. You will also have an opportunity to contribute to group discussions, engage in project based learning and learn how to debate. **In S5/6 we offer National 4 and National 5 English.**

Which skills will I develop?

Skills developed in English include the ability to communicate effectively verbally and in written form. You will learn to consider the views of others through debating, group discussions and responding to questioning. Your confidence will grow and your information finding and analysis skills will improve through research tasks. Your presentation skills will improve through how you deliver information. You will also become more organised taking on responsibility for equipment and resources and develop transferrable skills for use throughout your life.

How will I be assessed?

National 4 is internally assessed and you will be expected to demonstrate your reading, writing, talking and listening skills at National 4 level. As well as this you will complete an added value unit project which showcases your skills.

At National 5 you will be expected to demonstrate your reading, writing, talking and listening skills at National 5 level. As well as this you will complete a writing folio and an exam which will test your close reading skills, your knowledge of a Scottish set text of your classes choosing and by writing an essay on another text that you have studied.

Career Pathways in English

Acting
Editing
Advertising
Civil Service
Broadcasting
Public Relations
Human Resources
Film/ TV Production
Travel and Tourism

Law
Writing
Marketing
Publishing
Web Editing
Copywriting
Management
Speech Therapy
Film/ TV Direction

Politics
Journalism
Administration
Local government
Classroom Support
Film/ TV Editing
Events Management
Information Services
Social Media
Marketing

Why should I study English?

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What will I learn?

In the English department, you are given opportunities to study a wide range of literature, developing your analysis and evaluation skills and exploring connections between the texts you read and the world we live in. You are also given extensive opportunities to create your own texts, both written and spoken, encouraging you to develop your language skills through producing creative, critical and transactional responses. You will also have an opportunity to contribute to group discussions, engage in project based learning and learn how to debate.

Which skills will I develop?

Skills developed in English include the ability to communicate effectively verbally and in written form. You will learn to consider the views of others through debating, group discussions and responding to questioning. Your confidence will grow and your information finding and analysis skills will improve through research tasks. Your presentation skills will improve through how you deliver information. You will also become more organised taking on responsibility for equipment and resources and develop transferrable skills for use throughout your life.

How will I be assessed?

At Higher you will be expected to demonstrate your reading, writing, talking and listening skills at Higher level. As well as this you will complete a writing folio and an exam which will test your close reading skills, you will also study a Scottish set text of your classes choosing and write an essay on another text that you have studied.

Career Pathways in English

Acting
Editing
Advertising
Civil Service
Broadcasting
Public Relations
Human Resources
Film/ TV Production
Travel and Tourism

Law
Writing
Marketing
Publishing
Web Editing
Copywriting
Management
Speech Therapy
Film/ TV Direction

Politics
Journalism
Administration
Local government
Classroom Support
Film/ TV Editing
Events Management
Information Services
Social Media
Marketing

Media Studies

National 5

Head of Faculty – Mr J Crawford

Why should I study Media?

This is a hands on and creative course aimed predominantly at candidates who achieved Nat 5 English grade 'C' in S4 . Our suggested progression route for this group is to complete the new National 5 Media course in S5 in order to spend more time developing skills in an exciting new context. The Media course mirrors the same skills needed to succeed in English and we think these candidates will benefit from an extra year of skills development before potentially going into Higher English in S6. Along the way they will gain valuable skills and a further National 5 pass in S5.

What will I learn?

In the Media class, you are given opportunities to study a wide range of Media texts, from the world of film, television, advertising and radio. It will develop your ability to analyse and evaluate the texts you study. You are also given extensive opportunities to create your own films, advertising campaigns and radio broadcasts, encouraging you to develop your creative and technical skills side by side. You will also have an opportunity to contribute to group discussions, engage in project based learning and learn how to justify your decisions.

Which skills will I develop?

Skills developed in Media include the ability to communicate effectively verbally and in written form. You will learn the technical aspects of creating Media texts and be able to evaluate and analyse the work of others. Your presentation skills will improve through how you deliver information. You will also become more organised taking on responsibility for equipment time and resources and develop transferrable skills for use throughout your life.

How will I be assessed?

At National 5 you will be assessed in much the same way you were assessed in English but will be studying Media texts rather than the written word. Instead of a written folio you will produce a short film or advertising campaign and be expected to justify why you chose to create it in this way. There is an exam at the end of the course that tests your skills of analysis and evaluation and allows you to further polish the skills you developed in National 5 English.

Career Pathways in English

Acting
Editing
Advertising
Civil Service
Broadcasting
Public Relations
Human Resources
Film/ TV Production
Travel and Tourism

Law
Writing
Marketing
Publishing
Web Editing
Copywriting
Management
Speech Therapy
Film/ TV Direction

Politics
Journalism
Administration
Local government
Classroom Support
Film/ TV Editing
Events Management
Information Services
Social Media
Marketing

Why should I study French?

Studying a modern language can inspire you to visit other countries where the language is spoken. In S4 you can study 5 periods of French per week and really get your teeth into learning a language that will be useful for life. Using a modern language builds your self-confidence. It's a real thrill to be able to speak to someone in another country in their own language.

Employers appreciate the benefits employees with language ability bring to their organisation.

Universities too acknowledge the difference between candidates with and without language qualifications.

What will I learn?

You will learn, through various themes and topics, how to use and understand the French language as well as experiencing some of the culture.

You will also be inspired to enhance your language learning skills using various technologies such as apps, PC's and the department's new iPads. You will be given the opportunity to taste some local cuisine and encouraged to share your opinions with your peers.

Which skills will I develop?

Apart from the language skills of talking, writing, listening and reading in French you will develop working relationships with your classmates through many co-operative tasks.

The development of problem-solving, creativity and making connections are also skills you will improve on.

The department often run trips abroad where you can put your skills to the test.

How will I be assessed?

The core specific foreign language skills of Talking, Writing, Listening and Reading will be assessed.

Higher: Internal assessments will be carried out in each of the skills throughout the year, followed by an external exam. The talking performance element of the course is conducted and marked internally by your teacher and contributes to your overall grade.

Career Pathways in French

Hospitality
Retailing
Interpreting
Finance
Local Government
Journalism
Customs and
Immigration

Translating
Law
Civil Service
Airline Cabin Crew
Publishing
Transport and
Distribution
Broadcasting

Travel and Tourism
Teaching
Diplomatic Service
Catering
Importing/ Exporting
Call Centre Work
Marketing and Sales

Why should I study Spanish?

Studying a modern language can inspire you to visit other countries where the language is spoken. In S4 you can study 5 periods of Spanish per week and really get your teeth into learning a language that will be useful for life. Using a modern language builds your self-confidence. It's a real thrill to be able to speak to someone in another country in their own language. Employers appreciate the benefits employees with language ability bring to their organisation. Universities too acknowledge the difference between candidates with and without language qualifications.

What will I learn?

You will learn, through various themes and topics, how to use and understand the Spanish language as well as experiencing some of the culture.

You will also be inspired to enhance your language learning skills using various technologies such as apps, PC's and the department's new iPads. You will be given the opportunity to taste some local cuisine and encouraged to share your opinions with your peers.

Which skills will I develop?

Apart from the language skills of talking, writing, listening and reading in French you will develop working relationships with your classmates through many co-operative tasks.

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The department often run trips abroad where you can put your skills to the test.

How will I be assessed?

The core specific foreign language skills of Talking, Writing, Listening and Reading will be assessed.

National 4: Internal assessments will be carried out in each of the skills throughout the year, followed by an Added Value Unit on a topic of most interest to you.

National 5: Internal assessments will be carried out in each of the skills throughout the year, followed by an external exam. The talking performance element of the course is conducted and marked internally by your teacher and contributes to your overall grade.

Career Pathways in Spanish

Hospitality	Translating	Travel and Tourism
Retailing	Law	Teaching
Interpreting	Civil Service	Diplomatic Service
Finance	Airline Cabin Crew	Catering
Local Government	Publishing	Importing/ Exporting
Journalism	Transport and	Call Centre Work
Customs and	Distribution	Marketing and Sales
Immigration	Broadcasting	

Why should I study Spanish?

Studying a modern language can inspire you to visit other countries where the language is spoken. In S5/6 you can study 5 periods of Spanish per week and really get your teeth into learning a language that will be useful for life. Using a modern language builds your self-confidence. It's a real thrill to be able to speak to someone in another country in their own language. Employers appreciate the benefits employees with language ability bring to their organisation. Universities too acknowledge the difference between candidates with and without language qualifications.

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You will learn, through various themes and topics, how to use and understand the Spanish language as well as experiencing some of the culture.

You will also be inspired to enhance your language learning skills using various technologies such as apps, PC's and the department's new iPads. You will be given the opportunity to taste some local cuisine and encouraged to share your opinions with your peers.

How will I be assessed?

The core specific foreign language skills of Talking, Writing, Listening and Reading will be assessed.

Higher: Internal assessments will be carried out in each of the skills throughout the year, followed by an external exam. The talking performance element of the course is conducted and marked internally by your teacher and contributes to your overall grade.

Which skills will I develop?

Apart from the language skills of talking, writing, listening and reading in Spanish you will develop working relationships with your classmates through many co-operative tasks.

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Career Pathways in Spanish

Hospitality	Translating	Travel and Tourism
Retailing	Law	Teaching
Interpreting	Civil Service	Diplomatic Service
Finance	Airline Cabin Crew	Catering
Local Government	Publishing	Importing/ Exporting
Journalism	Transport and	Call Centre Work
Customs and	Distribution	Marketing and Sales
Immigration	Broadcasting	



Faculty of **Expressive Arts**

Head of Faculty Mrs L Sinclair

Focus areas within the Faculty Art & Design

Drama

Music

Photography

Why should I study Art & Design?

The practice of Art and Design can be traced back to the start of our civilisation and is one of the foundations of how we communicate as human beings. Our ability to create and invent is a unique talent that has been developed over centuries. In modern times it is essential to develop an appreciation of the world around us and understand why culture is important in our lives. Practical activities will develop your physical dexterity and your ability to think in a creative and innovative way. These experiences and skills can be applied to all future destinations in life.

What will I learn?

The majority of the course is based around practical creative activities which are enhanced and enriched by Historical and Critical studies. The Expressive Art portfolio will be based on Portraiture/Fantasy, in Design we will create decorative lightshades. To aid your work you will learn about the work of artists and designers past and present and develop your own sketchbook and folios. This further develops your presentation techniques, how to solve problems creatively, and deepens your understanding of the importance of culture in our lives.

Which skills will I develop?

You will develop your observational drawing skills alongside traditional and further experimental use of materials. You will develop a range of analytical thinking and drawing and literacy skills including Research methods, analysing artist's and designer's approaches and work, self-evaluation, peer evaluation and feedback techniques, verbal and visual presentation techniques, gaining personal insight and confidence. All of these skills lead to being able to think in an independent, creative and innovative way. This course will develop your confidence and your ability to understand and motivate yourself.

How will I be assessed?

Your practical work will be continually assessed in a formative way with regular opportunities to self-assess and gain feedback from the teacher and your peers.

At National 5 level Your folio of work is your evidence for external assessment and this will be judged by the SQA and given a mark out of 200. You will sit a formal written exam focusing on historical and critical studies, this is given a mark out of 50. Your folio marks and exam marks are combined to give you a grade from A to D.

Career Pathways in Art & Design

Industrial Design
Fine Art
Interior Design
Printing
Animation
Landscape Design
Product Design

Architecture
Make-up Artistry
Production Design
Art Therapy
Photography
Advertising
Textile Design

Digital Design
Graphic Design
Teaching
Web Design
Fashion Design
Furniture Design
Visual Merchandising

Art & Design

Higher and Advanced Higher

Head of Faculty Mrs L Sinclair

Why should I study Art & Design?

The practice of Art and Design can be traced back to the start of our civilisation and is one of the foundations of how we communicate as human beings. Our ability to create and invent is a unique talent that has been developed over centuries. In modern times it is essential to develop an appreciation of the world around us and understand why culture is important in our lives. Practical activities will develop your physical dexterity and your ability to think in a creative and innovative way. These experiences and skills can be applied to all future destinations in life.

What will I learn?

The majority of the course is based around practical creative activities which are enhanced and enriched by Historical and Critical studies. The Expressive Art portfolio will be based on Still Life or Portraiture in Design we will create decorative lightshades or Body Adornment. To aid your work you will learn about the work of artists and designers past and present and develop your own sketchbook and folios. This further develops your presentation techniques, how to solve problems creatively, and deepens your understanding of the importance of culture in our lives.

Which skills will I develop?

You will develop your observational drawing skills alongside traditional and further experimental use of materials. You will develop a range of analytical thinking and drawing and literacy skills including Research methods, analysing artist's and designer's approaches and work, self-evaluation, peer evaluation and feedback techniques, verbal and visual presentation techniques, gaining personal insight and confidence. All of these skills lead to being able to think in an independent, creative and innovative way. This course will develop your confidence and your ability to understand and motivate yourself.

How will I be assessed?

At Higher level Your folio of work is your evidence for external assessment and this will be judged by the SQA and given a mark out of 160. You will sit a formal written exam focusing on historical and critical studies, this is given a mark out of 60. Your folio marks and exam marks are combined to give you a grade from A to D.

Advanced Higher level If we feel that you are capable of achieving Advanced Higher we will focus on this option instead of Higher. In Advanced Higher you would select either Expressive or Design and create a folio of work based on this. You will also complete an essay on contextual analysis and this will be submitted along with your folio of A1 sheets to SQA.

Career Pathways in Art & Design

Art schools and university courses in all art and design areas. Design and technology courses English, art history and philosophy Creative industries.

Fine art painter
Sculptor
Photographer
Print maker
Illustrator
Fashion designer
Jewellery designer
Graphic designer
Product designer

Interior designer
Architect
Theatre / costume designer
Gallery curator
Art Historian
Animator
Film industry
Computer game industry

Why should I study Drama?

Drama helps us understand the world in which we live. Studying this subject is similar to analysing and understanding human behaviour and develop the ability to replicate this realistically for different dramatic purposes. Drama is a group based subject which is process led and actively develops Skills for Learning, Life and Work. The course will include whole-class teaching, pupil-centred activities, group and individual work. It also provides different pathways to success through units of work which develop both Drama Skills and Production Skills.

What will I learn?

Drama Skills:

- Work both individually and in groups to explore a range of drama skills and ways of communicating thoughts and ideas to an audience.
- Learn to portray a character in a range of ways and develop knowledge and understanding of social and cultural influences on drama.
- Working as part of a small group you will devise and perform your own drama.

Production Skills:

- You will develop a wide and varied range of production skills including lighting, sound, set, make-up, costume and props. You will use these skills to enhance drama when presenting.

Which skills will I develop?

Pupils will develop a variety of core skills that are essential for Learning, Life and Work. These include but are not limited to;

- **Communication**
- **Teamwork**
- **Creative Thinking & Problem Solving**
- **Analysing**
- **Listening**
- **Evaluating**

How will I be assessed?

At National 4 level:

Practical: Internally Assessed. You will perform a devised group piece of Drama and carry out another production role for the Production Skills unit. After this, you will complete an internally assessed Added Value Unit at the end of the course.

Written: You will complete a written folio for the Drama Skills, Production Skills and the Additional Value Unit.

At National 5 level:

Practical: 60% of your final grade. You will perform a production role as part of a professional piece of theatre to an external examiner.

Written: 40% of your final grade. You will complete a written exam after your final performance, which will include content from the Drama Skills and Production Skills units of work.

Career Pathways in Drama

Acting	Stunt Work	Stage Management
Event Management	Lighting Technology	Theatre Production
Directing	Drama Coaching	Arts Administration
Sound Technology	Writing	Teaching
Public Relations	Drama Facilitation	Set Design
TV and Radio	Film and TV Production	Community Arts Work
Presenting	Studio Management	Radio Production
Broadcasting	Entertainment	Casting Agency Work
Drama Therapy		

Why should I study Drama?

Drama helps us understand the world in which we live. Studying this subject is similar to analysing and understanding human behaviour and develop the ability to replicate this realistically for different dramatic purposes. Drama is a group based subject which is process led and actively develops Skills for Learning, Life and Work. The course will include whole-class teaching, pupil-centred activities, group and individual work. It also provides different pathways to success through units of work which develop both Drama Skills and Production Skills.

What will I learn?

Drama Skills:

- You will learn to portray a character in a range of ways and develop knowledge and understanding of social and cultural influences on drama. Working as part of a small group, you will devise and perform your own drama.

Production Skills:

- You will develop a wide and varied range of production skills including lighting, sound, set, make-up and hair, costume, props and directing.
- You will be required to see a live piece of professional theatre which you will analyse as part of your written exam.

Which skills will I develop?

Pupils will develop a variety of core skills that are essential for Learning, Life and Work. These include but are not limited to;

- **Communication**
- **Teamwork**
- **Creative Thinking & Problem Solving**
- **Analysing**
- **Listening**
- **Evaluating**

How will I be assessed?

At Higher Level:

Practical: 60% of your final grade. You will perform a production role as part of a professional piece of theatre to an external examiner. Unlike National 5, if you have chosen acting as your production role, you will perform two separate and contrasting excerpts for the external examiner.

Written: 40% of your final grade. You will complete a written exam after your final performance, which requires you to write two essays. The first is a textual analysis essay on a text which you will study throughout the year. The second is a performance analysis essay in which you will analyse a piece of live professional theatre.

Career Pathways in Drama

Drama can provide a platform for many different career pathways from Law and Medicine through to a career in theatre and film.

Some universities and colleges also require an interview before confirming any offers.

Drama can provide you with the presentation skills to interview confidently.

Music Performance

National 5

Head of Faculty Mrs L Sinclair

Why should I study Music Performance?

The wonderful thing about music is that it features so heavily in our everyday lives, but by studying music it affords so many opportunities to not only broaden your knowledge in a wide range of styles and genres, but to harness your talent as a performer specialising in at least two instruments of your choice. All the while building your confidence, you will learn how to engage an audience and be involved in many exciting projects outwith the curriculum helping you to understand the value in what you are learning as you become confident, creative musicians.

What will I learn?

Performing Skills: Develop a repertoire of at least Grade 2 level pieces (*National 4*) and at least Grade 3 level pieces (*National 5*) and record an 8 minute programme of contrasting pieces on two chosen instruments.

Understanding Music: Broaden your knowledge in a wide range of styles and genres and concepts/literacy associated

Composing Skills: Compose your own piece of music having experimented in a variety of styles

Which skills will I develop?

Performing Skills

You will choose two instruments to focus your studies on building your own diverse repertoire, assisting critical thinking, self-discipline and building a confidence you can use in any aspect of your life.

Creative Skills

You will create a composition, a musical invention using all of your prior learning to be proud of something you can call your own.

Planning & Organisation Skills

Level of pupil responsibility ensures skills develop naturally with the course.

How will I be assessed?

At National 4 level:

Performing Skills: Internally record an 8 minute programme demonstrating your ability on 2 instruments at ABRSM Grade 2

Understanding Music: Research projects and Unit Assessments

Composing Skills: Submitted folio of original composition/reflection

At National 5 level:

Performing Skills: Perform an 8 minute programme on 2 chosen instruments at ABRSM Grade 3 to an external examiner

Understanding Music: Research projects and Unit Assessments

Composing Skills: Submitted folio of original composition/reflection

Career Pathways in Music

The creative industry is a challenging yet hugely rewarding career path. You will develop your existing experience, abilities and personal qualities and learn how to make the most of them in the context of music.

Accompanist	Instrumental Instructor	Marketing
Arranger	Primary teacher	Mixing Engineer
Session Musician	Promoter	<i>Favourable in Care</i>
Event Planner	Artist Manager	Professions
Film Composer	Conductor	Music Therapy

Music Performance

Higher

Head of Faculty Mrs L Sinclair

Why should I study Music?

The wonderful thing about music is that it features so heavily in our everyday lives, but by studying music it affords so many opportunities to not only broaden your knowledge in a wide range of styles and genres, but to harness your talent as a performer specialising in at least two instruments of your choice. All the while building your confidence, you will learn how to engage an audience and be involved in many exciting projects outwith the curriculum helping you to understand the value in what you are learning as you become confident, creative musicians.

What will I learn?

Performing Skills: Develop a repertoire of at least Grade 4 level pieces and record a 12 minute programme of contrasting pieces on two chosen instruments.

Understanding Music: Broaden your knowledge in a wide range of styles and genres and concepts/literacy associated

Composing Skills: Compose your own piece of music having experimented in a variety of styles and demonstrate your knowledge through analysis and presenting your findings

Which skills will I develop?

Performing Skills

You will choose two instruments to focus your studies on building your own diverse repertoire, assisting critical thinking, self-discipline and building a confidence you can use in any aspect of your life.

Creative Skills

You will create a composition, a musical invention using all of your prior learning to be proud of something you can call your own.

Planning & Organisation Skills

Level of pupil responsibility ensures skills develop naturally with the course.

How will I be assessed?

At Higher level:

Performing Skills: Perform a 12 minute programme on 2 chosen instruments at ABRSM Grade 4 to an external examiner. You will demonstrate your ability both as a solo performer and as part of an ensemble.

Understanding Music: Research projects and Unit Assessments

Composing Skills: Submitted folio of original composition using Sibelius/ presenting your findings using PowerPoint

Career Pathways in Music

The creative industry is a challenging yet hugely rewarding career path. You will develop your existing experience, abilities and personal qualities and learn how to make the most of them in the context of music.

Accompanist	Instrumental Instructor	Marketing
Arranger	Primary teacher	Mixing Engineer
Session Musician	Promoter	Favourable in Care
Event Planner	Artist Manager	Professions
Film Composer	Conductor	Music Therapy

Photography

Higher/ NPA SCQF Level 5

Head of Faculty Mrs L Sinclair

Why should I study Photography in S5 or S6?

The use of the photographic image is now an unavoidable part of modern life, from 'selfies' to advertising we interact with photographic images on a daily basis. The manipulation of the digital image is now a fundamental part of many further education courses in a diverse range of subjects. Higher Photography is designed to give you a high level of knowledge about both the history and impact of photography on our culture, and to develop a high level of skill using a camera and creating your own high quality images.

What will I learn?

Higher Photography is both a technical subject and a creative subject, with an element of historical research involved.

You will learn:

- A broad range of technical skills required to use a professional camera, related equipment and computer software.
- How to take pictures in a creative and meaningful way that can be applied to future projects and contexts.
- Research and presentation skills on the theme of photographers and their work.

Which skills will I develop?

You will develop a range of skills that can be applied to a variety of future destinations:

- The ability to compose and create professional quality photographs.
- Use of specialized equipment and computer software applicable to other future projects.
- How to manage your time and develop a personal timeline.
- How to create a high quality visual presentation.
- How to be self-reliant and confident in your abilities and decisions.

How will I be assessed?

Due to the specialised nature of this course you should have achieved Nat 5 English, have a creative and inventive outlook and be prepared to spend large amounts of your spare time engaged in photo shoots. Higher Photography is assessed in two sections. The first is a unit at higher level which is internally assessed. The second is an externally assessed portfolio allocated 100 marks which determines your grade from A to D.

Career Pathways in Photography

Can be combined effectively with other subjects, particularly if you are preparing a visual portfolio.

Art school, university and college courses in Advanced Photography, Marketing, Graphic design, Web design, Animation, Film. Creative industries.

This course can lead to a successful self-employed / freelance career using the skills you will learn (For example a Wedding Photographer).



Faculty of Health & Wellbeing

Head of Faculty Mr M Attinasi

Focus areas within the Faculty Physical Education

PE - Sport & Recreation

Practical Cookery: Hospitality

Practical Cake Craft

Why should I study National 5 PE?

National 4/5 Physical Education is a great course with pathways into Higher PE and Advanced Higher PE in S5/6 which are all delivered at Bo'ness Academy. The course has a blend of practical and theory where students will develop their performance in a range of activities whilst understanding the impact that certain factors are having on their performance.

What will I learn?

In the N5 PE course, you will focus on a range of activities including: **basketball, football, badminton, trampoline, volleyball and swimming.**

You will focus on developing the skills required to improve your performance in the above activities. You will also focus on the factors which could affect your performance such as mental, emotional, social and physical factors.

We will carry out a cycle of analysis where we will investigate performance, establish strengths and weaknesses, create a programme to develop and evaluate our improvements.

How will I be assessed?

At National 4 you will be internally assessed. You must complete a Factors Impacting Performance theoretical unit of work and also pass two practical activities. For the final course award you will have to pass an added value unit which is a performance in an activity of your choice.

At National 5 level you will be assessed via a one off performance in **two** activities. Each performance will be worth 30 marks and equates to 50% of the overall course award. You will also complete a portfolio worth 60 marks that will be submitted to the SQA for external marking. Again this will be worth 60 marks and will equate to 50% of the overall course award.

Which skills will I develop?

Cognitive Skills – Problem Solving, Focus and Concentration, Decision Making and Creativity.

Personal Qualities – Confidence and Self-Esteem, Determination and Resilience, Responsibility and Leadership, Respect and Tolerance, Communication and Motivation.

Physical Competencies – Balance and Control, Coordination and Fluency, Rhythm and Timing.

Physical Fitness – Stamina, Speed, Core Stability and Strength and Flexibility.

Career Pathways in Physical Education

Sports Journalism
PE Teaching
Sports Coaching
Physiotherapy

Fitness Instruction
Sports Science
Sports Medicine
Police

Professional Sport
Personal Training
Sports Psychology

Physical Education

Higher

Head of Faculty Mr M Attinasi

Why should I study Higher PE?

Higher PE provides the perfect progression from National 5 PE, and an excellent stepping stone to Advanced Higher PE. The course is designed for candidates to experience a full cycle of analysis in an activity including data collection, approaches to develop and creating an implementing a full personal development plan. Candidates will base most of their theory work through this experience, whilst learning additional concepts. Candidates will be able to choose their strongest two activities to be assessed in, including activities which aren't used in the curriculum in conjunction with SQA guidance.

What will I learn?

Candidates will complete a full cycle of analysis using one of the following activities: basketball, badminton, volleyball or swimming. Candidates may also carry out a second cycle depending on the make up of the class.

During this cycle of analysis candidates will investigate:

- Data collection
- Strengths and Weaknesses
- Approaches to develop
- Personal development plan (PDP)
- Monitor, evaluate and record

Candidates will often be given one period of class time per week to develop their chosen two assessment activities.

How will I be assessed?

Practical Assessment

2 activities are assessed in a 'one off performance' assessment context. These two assessments are worth 30 marks each, totally a maximum of 60 marks available for practical performance.

The total mark /60 will then be converted into a percentage and taken as 50% of the overall grade EG 60/60 = 50%.

Exam

The remaining 50% is assessed through 2 and a half hour exam worth 50 marks. Each mark equates to 1% and will be added on to the practical result to give the candidate and overall mark out of 100.

Which skills will I develop?

Cognitive Skills – Problem Solving, Focus and Concentration, Decision Making and Creativity.

Personal Qualities – Confidence and Self-Esteem, Determination and Resilience, Responsibility and Leadership, Respect and Tolerance, Communication and Motivation.

Physical Competencies – Balance and Control, Coordination and Fluency, Rhythm and Timing.

Physical Fitness – Stamina, Speed, Core Stability and Strength and Flexibility.

Career Pathways in Physical Education

Sports Journalism
PE Teaching
Sports Coaching
Physiotherapy

Fitness Instruction
Sports Science
Sports Medicine
Police

Professional Sport
Personal Training
Sports Psychology

Sports & Recreation

National 5

Head of Faculty Mr M Attinasi

Why should I study Sports & Recreation?

National 5 Sport and Recreation is an introductory qualification. It develops the skills, knowledge and attitudes, needed for work in the industry. The Course content covers the main practical activities involved in carrying out a supportive role in sport and recreation environments: sourcing information about career pathways, identifying and reviewing skills and experiences; assisting with planning, setting up and delivering activity sessions; dealing effectively and courteously with clients; assisting with emergency procedures; assisting with setting up, dismantling and checking equipment and resources; helping to plan and review a training programme; and establishing good practice in identifying and reviewing goals. The Course also covers health and safety legislation and risk assessment.

What will I learn?

- assisting with planning, setting up and delivering activity sessions
- assisting with setting up, dismantling and checking equipment and resources
- assisting with accident and emergency procedures
- dealing effectively and courteously with clients, staff and others
- helping to plan and review a personal training programme
- establishing good practice in identifying and reviewing personal goals
- sourcing information about career pathways
- identifying and reviewing skills and experiences

How will I be assessed?

There is no external assessment for this Course. Learners must successfully complete each of the 4 units to achieve the Course. Units have been designed so that information can be gathered holistically where possible. A variety of approaches are used for gathering evidence, reflecting the variety of learning experiences offered across the Course. The Units are internally assessed by centres and externally verified by SQA.

Which skills will I develop?

Cognitive Skills – Problem Solving, Focus and Concentration, Decision Making and Creativity.

Personal Qualities – Confidence and Self-Esteem, Determination and Resilience, Responsibility and Leadership, Respect and Tolerance, Communication and Motivation.

Physical Competencies – Balance and Control, Coordination and Fluency, Rhythm and Timing.

Physical Fitness – Stamina, Speed, Core Stability and Strength and Flexibility.

Career Pathways in Physical Education

Sports Journalism
PE Teaching
Sports Coaching
Physiotherapy

Fitness Instruction
Sports Science
Sports Medicine
Police

Professional Sport
Personal Training
Sports Psychology

Practical Cookery

National 5

Head of Faculty Mr M Attinasi

Why should I study Practical Cookery?

Hospitality is a practical cookery course for those who have an interest in food and cooking and enjoy being creative in a range of increasingly more complex dishes. Personalisation and choice will be accommodated within ingredients selected and used in the dishes. Knowledge of health, nutrition and sustainability will be reflected in the real life scenarios used within the hospitality context. This provides a superb platform for further professional study, going into an ever expanding employment opportunity as well as simply for your own health and wellbeing.

What will I learn?

In the practical cookery course you will focus on three main areas. You will cook a variety of dishes showing and using a range of cookery skills, techniques and processes with appropriate specialist equipment. You will gain knowledge of a wide variety of different ingredients, their functions and uses within different recipes learning to select suitable ingredients to create dishes of your own. You will organise your own practical cooking where you will take part in the food ordering and cooking two dishes managing the time available.

Which skills will I develop?

- Cookery skills, techniques and processes
- Creative skills with food
- Planning
- Organisation
- Time Management
- Working Independently and Teamwork
- Evaluation, Review and Reflection Skills
- Critical Thinking

How will I be assessed?

Assessment will be formative, mastering practical skills in practical exercises and assignments gathering evidence in folios of work including photographs and checklists. There will be a question paper worth 25% which is carried out during the exam diet. There is a 3 dish practical cooking assessment which when combined with service detail and time plan will equate to the remaining 75% of the overall grade.

Career Pathways in Practical Cookery: Hospitality

This can lead in to a further professional qualification e.g. as a chef, front of house reception or hotel management.

Care Sector
Food Technology
Food/ Recipe
Development

Food Processing
Food Production

Practical Cake Craft

National 5

Head of Faculty Mr M Attinasi

Why should I study Practical Cake Craft?

The course, which is practical and experiential in nature, develops a range of cake baking and finishing skills in hospitality-related contexts. It enables candidates to develop, consolidate and demonstrate creative techniques in the production of cakes and other baked items. It develops the thinking skills of understanding, analysing and evaluating, and creating. Aspects of numeracy, employability skills, and the ability to work safely and hygienically are similarly developed. The candidates develop knowledge of methods of cake production and functional properties of ingredients used in the production of a range of cakes and other baked items. The candidates acquire skills in baking a range of cakes and other baked items, demonstrating specialist skills, techniques and processes safely and hygienically. The candidates further develop the ability to finish a range of cakes and other baked items safely and hygienically. In the finishing processes candidates apply specialised skills and creative techniques.

What will I learn?

- demonstrate knowledge and understanding of methods of cake production
- demonstrate knowledge of the functional properties of ingredients used in cake production
- interpret a given design brief that extends skills in cake baking and cake finishing in unfamiliar contexts
- independently select resources and make efficient use of them when following the design brief
- demonstrate flair, creativity and resourcefulness in fulfilling the requirements of the design brief
- evaluate their finished cake in terms of the design brief
- work safely and hygienically to fulfil the requirements of the design brief

Which skills will I develop?

- interpreting a design brief
- carrying out a practical activity to meet the requirements of a design brief
- knowledge of methods of cake baking and finishing
- knowledge of functional properties of ingredients used in production of cakes and other baked items
- skills in baking and finishing in the production of cakes and other baked items
- creatively applying finishing techniques to cakes and other baked items
- working safely and hygienically
- using specialist tools and equipment with dexterity and precision in routine and familiar tasks
- organisational and time management skills
- the ability to evaluate both the product and the process

How will I be assessed?

Component 1—Assignment = 30 marks
Component 2—Practical Activity = 70 marks

Career Pathways in Practical Cookery: Hospitality

This can lead in to a further professional qualification e.g. as a chef, front of house reception or hotel management.

Care Sector
Food Technology
Food/ Recipe
Development

Food Processing
Food Production

A large pink geometric graphic on the right side of the page, consisting of several overlapping triangles and polygons that form a jagged, mountain-like silhouette.

Faculty of Social Subjects

Head of Faculty Mrs C Thomson

Focus areas within the Faculty Geography

History

Modern Studies

Politics (VLE)

Travel and Tourism

Why should I study Geography?

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.

What will I learn?

Human Geography: Population, Rural Geography and Urban Geography.

Physical Geography: Atmosphere, Rivers, Glacial and Coastal Landscapes and Physical Processes, Biosphere.

Environmental Interactions:

You will complete two in-depth studies about problems in the real world. This includes looking at current issues including: development and health problems and climate change.

Which skills will I develop?

The course uses a range of geographical methods and techniques to gather, analyse and present information such as: mapping; research and information handling skills. Pupils will develop and apply factual and theoretical knowledge and understanding to give detailed explanations of the processes and interactions at work within physical and human environments in a wide range of contexts.

How will I be assessed?

Course content is assessed both internally and externally, covering knowledge and understanding of content and skills such as source evaluation. Individual units are assessed internally, but to gain the course award, the student must pass the external assessment as well as the three unit assessments. Pupils must also carry out a research project throughout the year, which will lead to their final, externally assessed assignment.

Career Pathways in Geography

Travel and Tourism
Leisure and Recreation
Project Manager
Data analyst
Cartography
Landscape architecture
Outdoor Education
Game world designer

Nature Conservation
Environmental
Management &
Education
Surveying
Estate Agency Work
Teaching
Climatology
Demography
Climate change analyst

Civil / Environmental
Engineering
Town and Country
Planning
Geology
Transport and
Distribution
Geophysics
Drone pilot &
mapper

Why should I study History?

As American philosopher George Santayana once said: *"Those who do not learn from the past are doomed to repeat it."* Studying History tells us as much about the present as it does about the past. Bo'ness Academy History department firmly believe that an understanding the past equips students with vital critical thinking skills that will stand them in excellent stead in today's rapidly changing world and competitive job market. By teaching students about the causes and consequences of events in the past, we aim to ensure that our students develop new perspectives and informed views on world issues across time, as well as an array of transferrable skills that are very highly prized by employers, colleges and universities.

What will I learn?

In Higher History you will study three units: The USA 1918-1968 **or** Russia 1881-1921; Migration and Empire 1830-1939 and Britain 1851-1951. By the end of the course students will have a greater understanding of how Scotland has been shaped as a nation; major changes in 20th century British History, such as votes for women and the introduction of the welfare state; the struggle for black civil rights in the USA and/or the causes and consequences of the Russian revolution.

Which skills will I develop?

In Higher History there is a strong emphasis on essay writing, which ultimately constitutes around 70% of students' overall marks for the course. Therefore, the ability to analyse issues and develop clear lines of argument are the key skills to be developed. In addition, students will develop source analysis skills, such as judging the reliability of information. Students will develop the all-important skill of questioning issues and will be able to use their historical knowledge to contextualise and judge current world affairs. Crucially, History teaches young people *how* to think, not *what* to think.

How will I be assessed?

Higher History is assessed by an external exam, which constitutes 66% of a student's grade. An externally assessed assignment makes up the other 33% of the overall grade. Both the British Unit (Britain 1851-1951) and the Large Scale State units (The USA 1918-1968 **or** Russia 1881-1921) are assessed by essay writing. The Higher Assignment also takes the form of an essay and should be based on a topic from one of these units. The Migration and Empire 1830-1939 section of the exam assesses students' source analysis skills. Both essay writing and source analysis skills are assessed regularly throughout the course in preparation for the external exam.

Career Pathways in History

Law
Library Work
Politics
Tourism
Archive Work
Teaching

Publishing
Administration
Sociology
Genealogy
Cultural Heritage
Civil Service

Journalism
Restoration Work
Anthropology
Archaeology
Diplomatic Service
Museum Work

Modern Studies Higher

Head of Faculty — Mrs C Thomson

Why should I study Modern Studies?

Modern Studies is the study of local, national and international issues from a social, political and economic perspective. Pupils will examine current issues and evaluate their impact and relevance in society today to enable them to develop informed views about current world events and the potential impact on their lives. Modern Studies develops a range of transferrable skills that can be applied to life, learning and work.

What will I learn?

In Higher Modern Studies students will study 3 units:

- Democracy in Scotland and the United Kingdom
- Social Issues in the United Kingdom
- International Issues, which will look at one of the major world powers.

Modern Studies makes a distinctive contribution to the curriculum by drawing on the social sciences of politics, sociology and economics and where appropriate, of associated ideas drawn from other social subjects. It thereby adopts a multi-disciplinary approach.

Which skills will I develop?

The skills developed through the study of Higher Modern Studies are many and varied and include: developing and applying factual and theoretical knowledge and understanding; giving detailed explanations and analysis of the main democratic processes, institutions and organisations which make up political life in Scotland and the UK; researching, evaluating and synthesising a wide range of sources of information to make decisions and draw and justify conclusions.

How will I be assessed?

Modern Studies is assessed by essays and source handling questions. Both skills will be assessed regularly throughout the course in preparation for the exam and students must pass unit assessments to go forward to the final exam. The Modern Studies assignment provides the opportunity to apply skills and develop knowledge and understanding in a range of activities in preparation for the production of evidence in a controlled environment, which will be externally assessed.

Career Pathways in Modern Studies

Police	Teaching	Fundraising
Welfare Rights	Law	Civil Service
Politics	Economics	Social Sciences
Trade Union Work	Journalism	Management
Banking	Social Work	Clerical Work
Community Work	Administration	Local Government
Marketing	Management	Anthropology
Broadcasting and Media	Charity Work	Information/Advice Work

Why should I study Politics?

This course builds upon the principles and practices of the social studies curriculum area. Candidates have opportunities to develop important attitudes, such as respect for the values, beliefs and cultures of others; openness to new thinking and ideas; and a sense of responsibility and global citizenship. The course contributes to candidates' understanding of society by helping them to develop an understanding of political theory, political systems in the UK and international contexts, and factors affecting the electoral performance of political parties.

What will I learn?

What will I learn?

In Higher Politics students will study 3 units:

Political theory – Direct and representative democracy. Political ideologies e.g. Liberalism, Conservatism, Socialism, Nationalism, Fascism. Power, Authority and Legitimacy; theories by Steven Lukes and Max Weber.

Political systems – Study two of the following four political systems; UK, Scottish, American and European. Constitutional arrangements, Legislative Branch, Executive branch.

Political Parties and Elections – Compare the electoral impact of two different dominant ideas, for example; dominant ideas within or between political parties (Conservative, Labour, Liberal Democrats, Scottish National Party). Impact of political campaign strategies. Theories of voting behaviour.

Which skills will I develop?

Pupils will develop higher-order thinking skills through research and critical-thinking activities carried out individually and in groups. This develops attributes that are important for life and work.

Candidates develop a critical awareness of the nature of politics and the relationship between political theories, systems and parties. Candidates build up a framework of political knowledge and understanding through interpreting, evaluating and commenting on political issues.

Candidates progressively develop skills in literacy and numeracy.

How will I be assessed?

Paper 1 – 1hr 45mins 2 x 20 mark essays, 1 x 12 mark essay

Paper 2 – 1hr 15mins Two source based questions : 1 x 20 marks and 1 x 8 marks

Assignment – 1hr 30mins 30 marks

Career Pathways in Politics

Police	Teaching	Marketing
Law	Economics	Broadcasting & Media
Journalism	Welfare Rights	Civil Service
Social Work	Trade Union	Social Sciences
Administration	Banking	Clerical Work
Management	Community Work	Local Government
Charity Work	Fundraising	

Travel and Tourism

SCQF Level 5

Head of Faculty – Mrs C Thomson

Why should I study Travel and Tourism?

Travel and Tourism SCQF Level 5 (roughly equivalent to National 5 in terms of difficulty) is a good option for anyone wishing to develop key skills that can be transferred to employment or college. In this course, you will cover areas that are important in all sectors of the travel and tourism industry, such as: such as customer service, employability skills, selling skills, sustainability issues, and knowledge of the industry itself and is a good option for anyone with an interest in pursuing a career in this industry, or those who wish to continue studying a social subject without progressing to Higher level.

What will I learn?

The course is designed to enable people who have little or no experience of Travel and Tourism to gain the basic Skills for Work as an introduction to employment in the industry. You will research current exciting attractions and destinations and put your customer skills to the test. This is a great thing to have on your cv and involves a good deal of independent learning.

Which skills will I develop?

Learners will acquire:

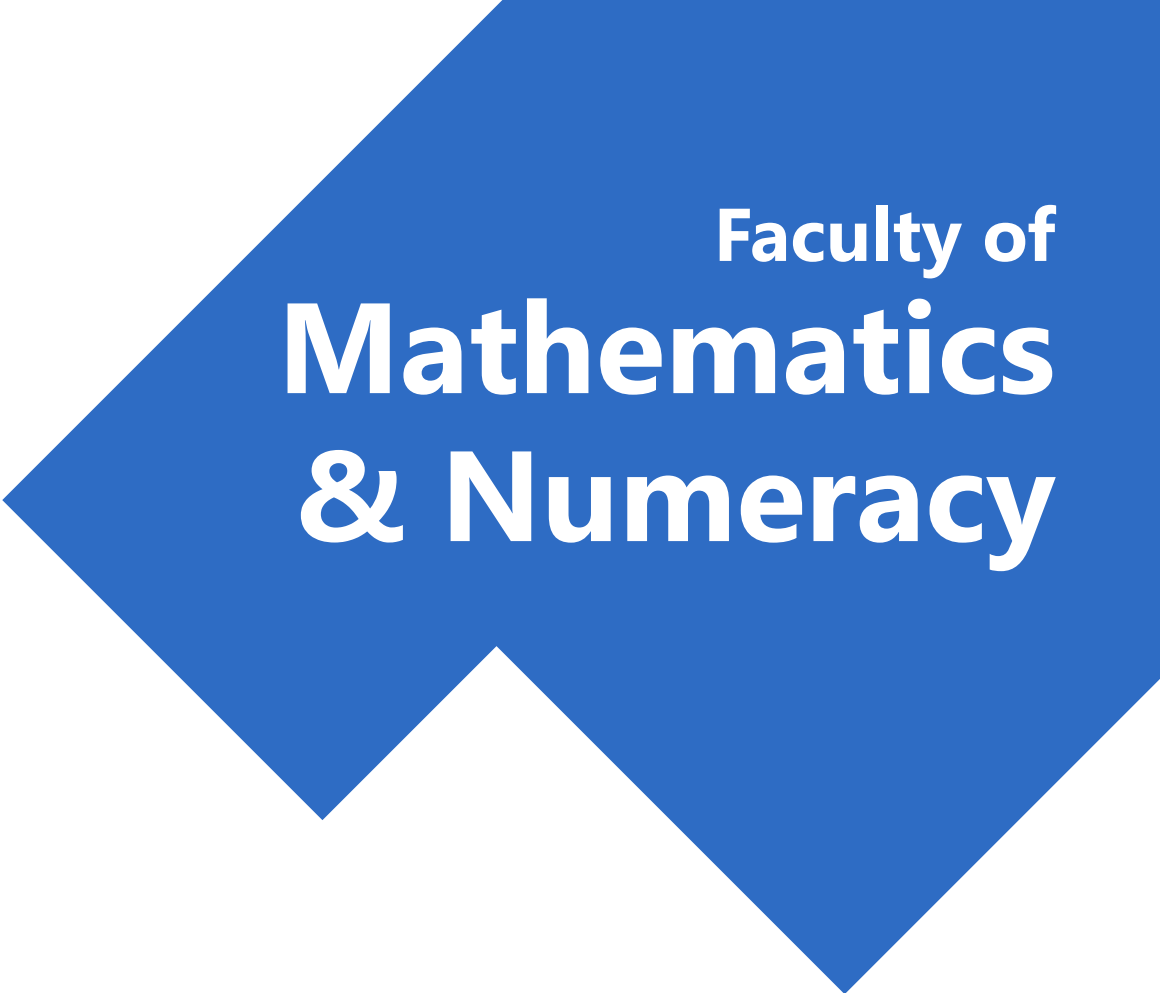
- skills to become effective job-seekers and employees
- skills to deal effectively with all aspects of customer care and customer service in travel and tourism
- knowledge and skills to deal effectively with customer enquiries in relation to travel and tourism in Scotland, the rest of the United Kingdom and worldwide

How will I be assessed?

There is no external assessment for this Course. Learners must successfully complete each Unit to achieve the Course. The Course is designed to be practical and provides an opportunity for you to reflect on and learn through experience. You will create a folio of destination information packs and have a chance to work together to role play different customer care scenarios.

Career Pathways in Travel and Tourism

Airport staff	Marketing	Receptionist
Air Cabin Crew	Holiday Rep	Secretary
Administration	Hospitality Industry	Tourist Information
Customer Services	Human Resources	Services
Events Organisation and Management	Hotel Management	Travel Agent

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Faculty of Mathematics & Numeracy

Head of Faculty Mrs F Moir

Focus areas within the Faculty Maths

Applications of Maths

Why should I study Mathematics?

Mathematics equips us with many of the skills required for life, learning and work. It motivates and challenges learners to problem solve effectively and develops skills in interpreting and analysing information before making informed decisions. National 4 and National 5 maths provide us with more opportunities to apply the skills we have already developed in real life situations.

What will I learn?

Examples of topics you will learn are:

At National 4 level:

Numeracy - number work, fractions, percentages and decimals
Expressions and Formulae – expanding brackets, factorising, 2D and 3D shape
Relationships – trigonometry, Pythagoras, algebra

At National 5 level:

Expressions and Formulae – algebra, straight line, surds and indices
Relationships – quadratics, trig graphs and equations
Applications – further trigonometry, vectors, statistics

Which skills will I develop?

You will develop a variety of skills that will equip you for real life and also build the important foundations that you require to be successful as you progress through maths. Some of these include:

- Applying numeracy and reasoning skills in real life situations
- Extending and developing your algebra skills
- Interpreting statistical data
- Developing the skill of stating your opinion and justifying your reasons
- Being able to work individually to problem solve and also work collaboratively with peers.

How will I be assessed?

You will be formally assessed at the end of each unit. To achieve the qualification you will then sit a final assessment, this is internal for National 4 and external for National 5, covering the whole course and this consists of two papers - calculator and non-calculator.

There will also be continual monitoring of your work throughout the year by your class teacher.

Career Pathways in Mathematics

Actuarial Work	Architecture	Market Research
Construction	Insurance	Stockbroking
Accountancy	Software Development	Buying
Economics	Astronomy	Meteorology
Pharmacy	Investment Analysis	Surveying
Administration	Sound Technology	Medical Technology
Engineering	Banking	Computer Games
Air Traffic Control	Management	Design
Industrial Design	Statistics	Network Management
		Transport and Logistics

Why should I study Mathematics?

Higher maths involves logical analysis, deduction and calculation within patterns and structures. When patterns are found, often in widely different areas of science and technology, the maths of these patterns can be used to explain and control natural happenings and situations. The main reason for studying mathematics to a Higher level is that it is interesting and enjoyable. People like its challenge, its clarity, and the fact that you know when you are right. The solution of a problem has an excitement and a satisfaction.

What will I learn?

Expressions and Functions - vectors, functions, algebra, geometry and trigonometry, and also skills in mathematical reasoning and modelling.

Relationships and Calculus - solving equations, introduction to both differential calculus and integral calculus.

Applications - geometric applications, applications of sequences and applications of calculus.

Which skills will I develop?

You will develop a variety of skills in Higher maths, some of these include:

- developing knowledge and skills that involve the manipulation of expressions
- skills in how to use vectors
- skills that involve solving complex equations
- skills that involve geometric applications
- mathematical reasoning and modelling
- skills to be able to work individually to problem solve and also work collaboratively with peers

How will I be assessed?

You will be formally assessed at the end of each unit. To achieve the qualification you will then sit a final external assessment covering the whole course and this consists of two papers - calculator and non-calculator.

There will also be continual monitoring of your work throughout the year by your class teacher.

Career Pathways in Mathematics

Actuarial Work
Construction
Accountancy
Economics
Pharmacy
Administration
Engineering
Air Traffic Control
Industrial Design

Architecture
Insurance
Software Development
Astronomy
Investment Analysis
Sound Technology
Banking
Management
Statistics
Market Research

Stockbroking
Buying
Meteorology
Surveying
Medical Technology
Computer Games
Design
Network
Management
Transport and
Logistics

Why should I study Mathematics?

Applications of maths involves logical analysis, deduction and calculation within real life situations. It involves mathematical skills that are underpinned by numeracy and reasoning skills that will prepare you for life, learning and work.

People like its challenge, its clarity, and the fact that everything is applied in a real life context. The solution of a problem has an excitement and a satisfaction.

What will I learn?

Numeracy - Consolidate and extend basic numeracy skills in real life situations

Shape and Measure - Measurement, navigation, Pythagoras, volume.

Statistics - Data gathering, diagrams, decision making

Financial skills - Budgeting and planning, best deal, calculating salaries, savings and borrowing.

Which skills will I develop?

You will develop a variety of skills in Applications of maths, some of these include:

- analyse real-life situations and problems involving mathematics
- select and apply numeracy skills
- select and apply skills in finance, statistics, measurement, geometry, graphical data and probability
- use mathematical reasoning skills to draw conclusions or justify decisions
- communicate mathematical information in an appropriate way

How will I be assessed?

You will be formally assessed at the end of each unit. To achieve the qualification you will then sit a final external assessment covering the whole course and this consists of two papers - calculator and non-calculator.

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Career Pathways in Mathematics

Actuarial Work	Architecture	Stockbroking
Construction	Insurance	Buying
Accountancy	Software Development	Meteorology
Economics	Astronomy	Surveying
Pharmacy	Investment Analysis	Medical Technology
Administration	Sound Technology	Computer Games
Engineering	Banking	Design
Air Traffic Control	Management	Network Management
Industrial Design	Statistics	Transport and
	Market Research	Logistics

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Career Pathways in Mathematics

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Construction	Insurance	Buying
Accountancy	Software Development	Meteorology
Economics	Astronomy	Surveying
Pharmacy	Investment Analysis	Medical Technology
Administration	Sound Technology	Computer Games
Engineering	Banking	Design
Air Traffic Control	Management	Network Management
Industrial Design	Statistics	Transport and
	Market Research	Logistics

Faculty of Science

Head of Faculty Mrs L Hill

Focus areas within the Faculty Biology

Chemistry

Physics

Skills for Work Laboratory Science

Skills for Work Health Sector

Why should I study Biology?

Biology is the scientific exploration of the vast and diverse world of living organisms; an exploration that has expanded enormously within the last four decades revealing a wealth of knowledge about ourselves and about the millions of other organisms that inhabit this planet. Today, biological research spans an almost infinite spectrum of studies from molecules to landscapes. Biology teaches useful skills that can be used in any career and teaches us to be objective, how to reason and how to problem solve.

What will I learn?

The three units covered in Higher Biology are:

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

The Higher Biology course builds on the knowledge pupils have gained in N5 Biology. This includes the structure and replication of DNA, gene expression, metabolism, microorganisms, dependence and biodiversity

Recommended entry requirements:

Pupils will have obtained an A or B pass at National 5 Biology

Which skills will I develop?

The aims of the Course are to enable learners to:

- develop scientific inquiry and investigative skills
- develop scientific analytical thinking skills, including scientific evaluation, in a biology context in addition to developing skills of independent working
- develop the use of technology, equipment and materials, safely, in practical scientific activities, including using risk assessments
- develop planning skills and problem solving skills in a biology context
- use and understand scientific literacy to communicate ideas and issues and to make scientifically informed choices
- develop the knowledge and skills for more advanced learning in biology

How will I be assessed?

Higher Biology will be internally assessed through end of unit tests and ongoing assessment in the form of research tasks and practical techniques and experimental investigations. Students who pass all internal assessments including the prelim exam will be presented for the SQA external exam.

Higher pupils will have to complete an externally assessed "Assignment". This will comprise of an experiment and a research task written up in a standard scientific format. This makes up 20% of the final grade for the course.

In addition there will be an externally assessed SQA exam for Higher making up 80% of the final grade. This is a 3 hour exam.

Career Pathways in Biology

Ecology
Brewing
Dietetics
Forensics
Horticulture
Biochemistry
Sports Science

Occupational Therapy
Ophthalmics &
Orthoptics
Nursing
Medicine
Audiology
Agriculture
Food Science

Teaching
Dentistry
Psychiatry
Radiology
Pharmacology
Biotechnology
Veterinary Work

Why should I study Chemistry?

Chemistry is everywhere in the world around you! It is in the food you eat, clothes you wear, water you drink and the very air you breathe. Chemistry's role in society is ever increasing as the need for a more sustainable energy becomes more important in replacing finite crude oil. Chemistry teaches useful skills that can be used in any career and teaches us to be objective, how to reason and how to problem solve.

What will I learn?

Higher Chemistry has three taught units and a research unit:

- Chemical Changes and Structure
- Nature's Chemistry
- Chemistry in Society
- Researching Chemistry unit

These units delve into the sub atomic world of atoms and give pupils an insight into chemical and physical properties of substances based on their bonding, structures, intermolecular forces and functional groups.

Recommended entry requirements:

Pupils will have obtained an A or B pass at National 5 Chemistry and a pass in National 5 Maths.

Which skills will I develop?

The main aims of this Course are for learners to:

- develop scientific inquiry and investigative skills and skill of independent working
- develop scientific analytical thinking skills, including scientific evaluation, in a chemistry context
- develop the use of technology, equipment and materials, safely, in practical scientific activities, including using risk assessments
- develop planning skills
- develop problem solving skills in a chemistry context
- use and understand scientific literacy to communicate ideas and issues and to make scientifically informed choices
- develop the knowledge and skills for more advanced learning in chemistry

How will I be assessed?

Higher Chemistry will be internally assessed through end of unit tests and ongoing assessment in the form of research tasks, practical techniques and experimental investigations. Students who pass all internal assessments including the prelim exam will be presented for the SQA external exam. Higher pupils selected for presentation in the final exam will have to complete an externally assessed "Assignment". This will comprise of an experiment and a research task written up in a standard scientific format. This makes up 20% of the final grade for the course. The externally assessed SQA exam for Higher makes up 80% of the final grade. This is a 3 hour exam.

Career Pathways in Chemistry

Agriculture	Engineering	Nursing
Biochemistry	Environmental Health	Oil & Gas Production
Brewing	Environmental Science	Pharmaceuticals
Chemical Plant	Food Science	Plastics & Polymer
Operations	Forensic Science	Technology
Chemical Engineering	Materials Science	Teaching
Dentistry	Medicinal Chemistry	Waste Management
Dietetics		

Why should I study Physics?

Physics is perhaps the most fundamental of all the Sciences. It is often described as the science that addresses the problem of “how things work”. It seems never to be out of the news these days with various discoveries (Higgs Boson), Cosmology and engineering feats. However these are only small branches of Physics. It is a qualification that employers, colleges and universities value. A growing number of girls seem to be opting for Physics, which can only be good for the country's future.

What will I learn?

The course is made up of three taught units and an assignment.

- Our Dynamic Universe
- Particles and Waves
- Electricity

The course is designed to give a topical and motivating insight into Physics at the forefront of present and future technology.

Recommended entry requirements:

Grade A/B at Nat 5 Physics, pass in Nat 5 Mathematics.

Which skills will I develop?

The main aims of this Course are for learners to:

- develop scientific inquiry and investigative skills
 - develop scientific analytical thinking skills, including scientific evaluation, in a physics context in addition to developing skills of independent working
 - develop the use of technology, equipment and materials, safely, in practical scientific activities
 - develop planning skills
 - develop problem solving skills in a physics context
 - use and understand scientific literacy to communicate ideas and issues and to make scientifically informed choices
- develop the knowledge and skills for more advanced learning in physics

How will I be assessed?

Higher Physics will be internally assessed through end of unit tests and ongoing assessment in the form of research tasks, practical techniques and experimental investigations. Students who pass all internal assessments including the prelim exam will be presented for the SQA external exam.

Higher pupils selected for presentation in the final exam will have to complete an externally assessed “Assignment”. This will comprise of an experiment and a research task written up in a standard scientific format. This makes up 20% of the final grade for the course. The externally assessed SQA exam for Higher makes up 80% of the final grade. This is a 3 hour exam.

Career Pathways in Physics

Radiography
Geophysics
Physiotherapy
Civil Aviation
Medicine
Astronomy
Computing
Medical Physics
Construction

Architecture
Dentistry
Meteorology
Teaching
Electronics
Oceanography
Telecommunications
Engineering
Sound Technology

Medical Technology
Audiology
Engineering
Technology
Astrophysics
Finance
Renewable Energy
Science
Auto-electrical Repair
Toolmaking
Patent Examination

Why should I study Laboratory Science

This course is suited to pupils wishing to develop practical Laboratory Skills that will be useful for a range of future careers. It will support UCAS personal statements for those aspiring to degree studies as well as being beneficial for those planning to follow a Foundation or Modern Apprenticeship. Pupils applying for this course should have achieved or be expecting to work towards an National 5 Science qualification.

What will I learn?

This course explores a variety of industries, services and career opportunities, in Science laboratories. This course provides an opportunity to develop the basic practical skills for working in a laboratory: measuring, weighing and preparing compounds and solutions. It also allows pupils to understand and implement the health and safety requirements for a safe working environment. The course allows the development of specific practical skills related to microbiology, radioactivity, chemical handling and laboratory instrumentation. Pupils will work with others to produce a plan to undertake a practical investigation to test scientific hypotheses related to a scientific topic. This will also involve reporting of the results, conclusions and evaluations of the investigation.

How will I be assessed?

To gain National 5 Laboratory Science, pupils **must** pass all 4 units which includes:
-Careers using Laboratory Science ; Working in a Laboratory ; Practical Skills;
Practical Investigation

Units are assessed through a range of written and practical activities.

Units are assessed as either pass/fail by the School.

There is no prelim or final exam for this course.

Which skills will I develop?

During the course you will build a range of technical knowledge and skills on industrially relevant laboratory techniques, including:

- Complex gravimetric and volumetric analytical methods;
- Operation of a range of modern analytical instruments;
- Microbiological methods;
- Biochemical and DNA analysis;
- Physics related measurements and equipment;
- Develop an ability to assess health and safety relating to a range of laboratory activities;
- Develop skills in recording, manipulating and reporting of scientific results;
- Gain an understanding of career opportunities in science and how to develop your employability potential;
- Become equipped for either further study or employment

Career Pathways in Laboratory Science

Oil and gas industries	Medical laboratory assistant	Food science and manufacturing
Research institutes	Water Authorities	Public health analysts
Forensics	Education	Animal care services
Dental technician		

Why should I study Health Sector?

This course is perfect for pupils interested in a career in the Health & Social Care. You will investigate the different types of services provided and the roles and responsibilities of those working in a type of health provision, and look at career opportunities in the health sector. There will be opportunities to work as a member of a team to produce health promotion advice, encouraging co-operative working, as part of which they will learn about the main body systems. They will participate in a practical activity to take a physiological measurement.

What will I learn?

- Pupils will investigate the different types of services provided and the roles and responsibilities of those working in a type of health provision and the career opportunities in the health sector.
- Explore care values, and participate in practical activities that allow them to demonstrate care values, including maintaining confidentiality and an awareness of equality and diversity.
- Assess risks in relation to infection and participate in practical activities to demonstrate infection control measures.

How will I be assessed?

The Skills for Work Course in Health Sector at SCQF level 5 consists of five mandatory Units, and are internally assessed through written and verbal evidence such as written investigation and participation in practical activities.

Which skills will I develop?

Develop employability skills valued by employers in general and necessary for effective work in the health sector. This is done through practical activities in real or simulated work environments, investigations and team working activities. Learners will also be involved in self-evaluation of these skills, seeking feedback from others, identifying areas of improvement, taking account of the feedback received and reviewing their progress throughout the Course.

Career Pathways in Health Sector

Care assistant	Health Educators	Social Care Officer
Healthcare Assistant	Community Development Worker	Care Worker
Nursing Associate	Medical Secretary	Support Worker
Assistant Practitioner		
Early Learning & Childcare		

Faculty of Technologies

Head of Faculty Miss N Bett

Focus areas within the Faculty

- Administration & IT
- Business Management
- Computing Science
- Design & Manufacture
- Practical Woodworking

Administration & IT

National 5/ NPA L5

Head of Faculty Miss N Bett

Why should I study Administration & IT?

Administration is a growing sector which cuts across the entire economy and offers wide-ranging employment opportunities. The Administration and IT course enables learners to appreciate the importance of administration and is designed for all learners but may be of particular interest to those who wish to develop practical IT and Administrative skills. It provides learners with the ICT skills that can lead to employment and/or training in various industries.

What will I learn?

Learners will be taught in a variety of ways through participating in engaging, motivating and practical activities relevant to the world of work. The course takes into account the needs of all learners by providing sufficient flexibility to enable them to achieve in different ways. Learners will use applications such as Word Processing, Spreadsheets, Databases, Desktop Publishing and Presentation software along with new emerging technologies.

Which skills will I develop?

Learners will develop a range of skills that will enable them to use IT in everyday administration-related contexts. The skills include the ability to perform simple administrative tasks and to use basic functions of IT applications. Learners will also develop the basic skills in using internet, e-mail and e-diary applications. Through developing these skills, this course will enhance learners' personal effectiveness and their ability to take on organisational tasks willingly. It teaches them how to communicate with others using technology. The skills developed through this course can be seen as important life skills.

How will I be assessed?

National 4 - All units are internally assessed against SQA unit specifications. The course is accessible to all learners and a variety of assessment strategies will be used to gain evidence of pupil achievement.

National 5 – To gain an award for this course, the learner complete an assignment worth 58% covering the following topic areas: Word Processing, Electronic Communication and theory questions. Learner must also sit a final exam worth the remaining 42% covering the following areas: Spreadsheets, Databases and theory questions,.

Career Pathways in Business Management

Office Administration	Leadership roles	Human Resources
Receptionist	Management roles	Marketing
Secretary	Supervisory roles	IT
Clerical		
Data Entry		

Administration & IT Higher

Head of Faculty Miss N Bett

Why should I study Administration & IT?

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What will I learn?

Learners will be taught in a variety of ways through participating in engaging, motivating and practical activities relevant to the world of work. The course takes into account the needs of all learners by providing sufficient flexibility to enable them to achieve in different ways. Learners will use applications such as Word Processing, Spreadsheets, Databases, Desktop Publishing and Presentation software along with new emerging technologies.

Which skills will I develop?

Learners will develop a range of skills that will enable them to use IT in everyday administration-related contexts. The skills include the ability to perform simple administrative tasks and to use basic functions of IT applications. Learners will also develop the basic skills in using internet, e-mail and e-diary applications. Through developing these skills, this course will enhance learners' personal effectiveness and their ability to take on organisational tasks willingly. It teaches them how to communicate with others using technology. The skills developed through this course can be seen as important life skills.

How will I be assessed?

Higher To gain an award for this course, the learner complete an assignment worth 58% of the final grade covering the following topic areas: Word Processing, Electronic Communication, Spreadsheets, Databases. Learner must also sit a final exam worth the remaining 42% covering solely theory questions.

Career Pathways in Business Management

Office Administration	Leadership roles	Human Resources
Receptionist	Management roles	Marketing
Secretary	Supervisory roles	IT
Clerical		
Data Entry		

Business Management

National 5/NPA L5

Head of Faculty Miss N Bett

Why should I study Business Management?

This Course is designed to develop learners' understanding of the way in which businesses operate. Business has an integral part to play in today's modern society. We all rely on businesses and entrepreneurs to create wealth and jobs. Therefore, it is essential society has effective businesses and business managers to sustain this role. This course acts as an introduction to the world of business and highlights the ways in which organisations operate and the steps they take to achieve their goals.

What will I learn?

Learners will develop the enterprising skills and personal attributes required to succeed in business. They will research a small business and to use ICT within a business context. Learners will develop an understanding of the importance of meeting and satisfying customer needs. They will explore how a business operates through the key functional activities that support business – Marketing, Finance, Human Resources, and Operations. Learners will also develop an understanding of financial awareness through a business context and the effect of external influences on business.

How will I be assessed?

National 4: You will be assessed through a research project that will have you present a business proposal in a method of your choosing.

National 5: You will be assessed through a research project on a business of your choice and then presenting your findings in a business report.

There is also an external exam at National 5 level.

Which skills will I develop?

Learning about business prepares pupils for the world of work. The course develops a wide range of skills for learning, skills for life and skills for work. These include enterprising and employability skills, literacy and numeracy skills, decision-making skills, communication skills, researching, interpreting data, presenting and analysing information and using technology.

Career Pathways in Business Management

Marketing	Civil Service	Office Management
Buying	Procurement	Hospitality Management
Insurance	Clerical Work	Public Relations
Accounting	Advertising	Human Resources
Manufacturing	Economics	Retail and Sales
Importing/ Exporting	Banking	Industrial Relations
Local Government	Entrepreneurship	Property Management

Business Management Higher

Head of Faculty Miss N Bett

Why should I study Business Management?

Higher Business Management is your gateway to the world of entrepreneurship and a huge range of career opportunities! Through research and analysis of business practices in a range of contexts you will gain an in depth understanding of the working practices in business.

What will I learn?

Through three distinct units you will learn about **Understanding Business** which looks at how business in the private, public and third sector operate. In **Management of People and Finance** you will gain skills and knowledge of the issues that face organisations in relation to leadership, motivation and finance. **Management of Marketing and Operations** will extend your knowledge of satisfying customer needs as well as the issues that face businesses in relation to marketing and operations.

Which skills will I develop?

Learning about business prepares pupils for the world of work. The course develops a wide range of skills for learning, skills for life and skills for work. These include enterprising and employability skills, literacy and numeracy skills, decision-making skills, communication skills, researching, interpreting data, presenting and analysing information and using technology.

How will I be assessed?

To gain the overall course award all Units must be passed, plus a pass in the Course Assessment.

This assessment will consist of two components: an SQA final exam (70 marks) and an assignment which is done in class time under controlled conditions and marked externally by the SQA (30 Marks).

Career Pathways in Business Management

Marketing	Civil Service	Office Management
Buying	Procurement	Hospitality
Insurance	Clerical Work	Management
Accounting	Advertising	Public Relations
Manufacturing	Economics	Human Resources
Importing/ Exporting	Banking	Retail and Sales
Local Government	Entrepreneurship	Industrial Relations
		Property
		Management

Why should I study Computing Science?

You will gain an insight into the capacities of computing professionals as problem-solvers and designers, able to design, implement and operate hardware and software systems, and the far-reaching impact of information technology on our environment and society. You will also develop a range of transferable skills for learning, skills for life and skills for work, opening up a wide range of career and study opportunities.

What will I learn?

The Course has three Units .

Software Design and Development – you learn to create software applications by writing a range of short computer programs You will also study how a computer stores data and instructions, and develop an understanding of computer architecture.

Database Design and Development - you learn to create information systems in the form of databases. You will also develop an understanding of the technical, legal and environmental issues relating to information systems.

Computing Science Assignment - This Unit requires the learner to apply skills and knowledge from the other Units to analyse and solve an appropriate

Which skills will I develop?

The Computing Science course will develop your skills in computational thinking, planning, researching, organising and problem-solving throughout.

Embedding literacy and numeracy skills: researching and presenting information; evaluating; discussing; listening; talking; number processes; information handling.

How will I be assessed?

Units are assessed by completing a folio of evidence to demonstrate your knowledge, understanding and practical ability. Course assessment is an extended assignment where you demonstrate that you can apply the knowledge and skills from both units to solve problems in both practical and theoretical contexts.

National 4 is not graded and there is no external exam.

National 5 is graded : extended assignment 33% and the external exam

Career Pathways in Computing Science

3D Modelling	Database Admin	App Development
Animation	IT Consultant	Systems Analysis and Design
Bioinformatics	Cyber Security	Systems Development
Computer Aided Design	Multimedia Development	Teaching
Games Programming	Network Management	Web Development
Games Testing	Software Engineer	

Why should I study Computing Science?

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Database Design and Development - you learn to create information systems in the form of databases. You will also develop an understanding of the technical, legal and environmental issues relating to information systems.

Computing Science Assignment - This Unit requires the learner to apply skills and knowledge from the other Units to analyse and solve an appropriate challenging computing science problem.

How will I be assessed?

Units are assessed by completing a folio of evidence to demonstrate your knowledge, understanding and practical ability. Course assessment is an extended assignment where you demonstrate that you can apply the knowledge and skills from both units to solve problems in both practical and theoretical contexts.

Course assessment is an extended assignment where you demonstrate that you can apply the knowledge and skills from both units to solve problems in both practical and theoretical contexts and this is 40% of the overall award.

Which skills will I develop?

Course activities also provide opportunities for learners to enhance generic and transferable skills in:

- ◆ Planning and organising
- ◆ Working independently and in teams
- ◆ Critical and computational thinking
- ◆ Decision making
- ◆ Research
- ◆ Communication and self-and peer-evaluation
- ◆ Organising and problem-solving

Career Pathways in Computing Science

IT Support	Project Manager	Digital Copywriter
Software Engineering	Sales Consultant	IT Trainer
Systems Development	Systems Analyst	Network Engineer
Webpage Design	Installation Engineer	Secondary School Teacher
Computer Gaming	Cyber Security	Social Media Manager
Telecommunications	Database Analyst	

Design & Manufacture

National 5

Head of Faculty Miss N Bett

Why should I study Design & Manufacture?

Our Design and Manufacture course provides a broad and practical experience in product design and manufacture, with amazing opportunities for learners to gain skills in designing and communicating design proposals. Learners develop design skills, knowledge and understanding of materials & manufacturing processes, and enhance their creative and practical skills. The course is part of a challenging, coherent and enjoyable learner journey through designing and making.

What will I learn?

Learning in Design & Manufacture will be a mixture of skills and knowledge based.

Design: You will learn how to communicate using graphics and model making. Your developing literacy will help you discuss and explain decisions you have made to make your designs the best they can be.

Manufacture: You will learn to make prototypes of your own designs in the workshops then evaluate them to decide if improvements could be made

Which skills will I develop?

Learning will allow you to develop skills in:

Designing: Researching, Developing Specifications, Communicating Ideas through the use of graphics and model making, Developing Ideas, Planning for Manufacture, Evaluating Designs.

Manufacturing: Marking Out, Cutting, Shaping, Assembling and Finishing Wooden, Metal or Plastic prototypes. Applying knowledge of commercial production and manufacture in Design Tasks

How will I be assessed?

You will be assessed to ensure you develop skills in designing and in manufacturing.

Designing: Feedback on folio work and class tests, including literacy and numeracy.

Manufacture: Feedback on skills and accuracy in preparing and building working prototypes of products you have designed.

You will complete a series of tasks building appropriate skills. You will be assessed and receive feedback on your progress throughout each stage.

Career Pathways in Design & Manufacture

Architecture	Engineering	Boat/ship Building
Ergonomics	Modelmaking	Wood Machining
Product Design	CNC Machining	Technical Illustration
Building Technology	Interior Design	Cabinet Making
Fabrication and Welding	Signmaking	Digital Design
Set Design	Metalworking	Exhibition Design
Construction Crafts	Plumbing	Manufacturing
Furniture Design	Computer Aided	Technology
Industrial Design	Manufacture	Maintenance Fitting

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Our Design and Manufacture course provides a broad and practical experience in product design and manufacture, with amazing opportunities for learners to gain skills in designing and communicating design proposals. Learners develop design skills, knowledge and understanding of materials & manufacturing processes, and enhance their creative and practical skills. The course is part of a challenging, coherent and enjoyable learner journey through designing and making.

What will I learn?

Learning in Design & Manufacture will be a mixture of skills and knowledge based.

Design: You will learn how to communicate using graphics and model making. Your developing literacy will help you discuss and explain decisions you have made to make your designs the best they can be.

Manufacture: You will learn to apply knowledge of commercial manufacture in Design Tasks.

Which skills will I develop?

Learning will allow you to develop skills in:

Designing: Researching, Developing Specifications, Communicating Ideas through the use of graphics and model making, Developing Ideas, Planning for Manufacture, Evaluating Designs.

Manufacturing: Marking Out, Cutting, Shaping, Assembling and Finishing Wooden, Metal or Plastic prototypes. Applying knowledge of commercial production and manufacture in Design Tasks.

How will I be assessed?

Designing:

- Develop a Design Specification from a Design Brief
- Develop a Design Proposal from a given Design Specification

Manufacture:

- Incorporate knowledge of commercial manufacture and materials into a Design Proposal
- Produce a working prototype model so you can evaluate effectiveness

Career Pathways in Design & Manufacture

Architecture	Engineering	Boat/ship Building
Ergonomics	Modelmaking	Wood Machining
Product Design	CNC Machining	Technical Illustration
Building Technology	Interior Design	Cabinet Making
Fabrication and Welding	Signmaking	Digital Design
Set Design	Metalworking	Exhibition Design
Construction Crafts	Plumbing	Manufacturing
Furniture Design	Computer Aided	Technology
Industrial Design	Manufacture	Maintenance Fitting

Practical Woodworking

National 4/5

Head of Faculty Miss N Bett

Why should I study Practical Woodworking?

If being hands-on and being in the workshop is your thing, then Practical Woodworking is for you! Improve your craft skills through a range of useful items that you will have the satisfaction of taking home. Gain an insight into the world of work through this practical subject. Learn how to work individually and with others.

What will I learn?

Through a range of projects you will learn about the many different ways that products are made from wood. You will learn the theory behind them and then apply this knowledge by making products of your own. In the theory side of things you will have to complete a log book that tells someone all about what you'd learned in class—particularly useful for interviews for apprenticeships!! And you will also learn about sustainability issues related the manufacturing from wood.

Which skills will I develop?

You will develop your dexterity through the use of a range of tools; hand, machine and computer controlled. Numeracy skills will be developed through the requirement for accuracy in measuring and marking out. Analytical and problem solving skills will be developed through interpreting working drawings. You will get to develop your creativity by being able to customise the projects to your own specifications. Communication skills will be developed through working with peers.

How will I be assessed?

National 4: You will be assessed through project work throughout the year and a final project that makes up the pass/fail element of the course. You must work to a tolerance of +/- 2 mm to given sizes.

National 5: You will be assessed through project work throughout the year and a final project that makes up 70% of the course award. You must work to a tolerance of +/- 1 mm to given sizes. There is also an exam which makes up the other 30% of the course award.

Career Pathways in Practical Craft Skills

Joinery	Plumbing	Motor Vehicle Repair
Furniture Manufacture	Welding & Fabrication	Security System
Cabinet Making	Blacksmithing	Installation
Wood Machining	Toolmaking	Electronics Engineer
Sawmill Work	Vehicle Body Repair	Electrical Engineer
Construction Crafts	Pipefitting	Railway Maintenance
Craft Work	Engineering	Energy Distribution
Formwork	Machining	Telecommunications
Shop Fitting	Sheet Metal Work	IT Support

School College Partnership

College/DYW Links Miss T McMaster/Mr R Latimer

Senior Phase Opportunities School-College Partnership Guide

Vocational Courses

Foundation Apprenticeships

YASS (S6 only)

LEAPS (S6 eligible pupils only)

School College Partnership

Guide to Options

What does the partnership involve?

We are fortunate to have an excellent working relationship with Forth Valley College who provide many additional opportunities for our pupils as part of their curriculum when they enter the senior phase of Bo'ness Academy. The college offer a wide variety of courses that can be studied alongside other school based subjects.

Application Process

All college courses require pupils to complete an online application through the Forth Valley College Website. Applications for these courses are live. Application support is provided every Monday at the Study Café to help pupils with applications and support is also offered through Microsoft Teams.

These courses are very popular across secondary schools in Forth Valley so there is no guarantee that applications will be successful. If pupils are not successful with their application then they would be re-coursed into an appropriate subject within school.

College Transport Arrangements

Transport is provided for the Tuesday/Thursday courses at the Falkirk Campus. The bus leaves the school at 1pm so pupils will miss their timetabled period 5 class. Classes then finish at 4.15pm with the return bus departing at 4.30pm.

For courses that include other days, pupils may be required to make their own way to and from the college. If any pupil wishes to attend a course at the Alloa or Stirling campuses they will be required to make their own travel arrangements.

As part of many Foundation Apprenticeships there are work placements as part of the course. Depending on the location of the work placement then on some occasions pupils may be required to make their own transport arrangements.

What courses are available with Forth Valley College?

There are a wide variety of courses available to pupils in S5 and S6. A number of these courses do have entry requirements so we would advise interested pupils to ensure they meet these before applying. The vocational courses and Foundation Apprenticeships available are listed in the next pages.

School College Partnership

Vocational Courses

What are vocational courses?

Forth Valley College offer a range of vocational courses that can be accessed in S5 and S6. These are an opportunity for pupils to gain a recognised qualification in an area that interests them. Courses vary in level to suit the needs of different learners.

What impact does choosing a Vocational Course have on a pupils timetable?

This will take up one column in your senior phase curriculum. Most courses are likely to take place on a Tuesday and Thursday afternoon. The bus for college leaves at 1pm so pupils do miss Period 5 class. Return transport is provided and departs at 4.30pm. Pupils should note that class finishes at 4.15pm. Pupils attending college do get one tutorial period to allow them to catch up on any work missed in class. Any pupil currently in year one of a two year course will continue with this.

Available Vocational Courses in 2026 at Falkirk Campus

HNC Courses

[Administration and IT](#)

[Sports Coaching and Development](#)

NPA Courses

[Professional Cookery](#)

[Computer Games Development](#)

[Construction](#)

[Psychology](#)

[Social Services and Healthcare](#)

[Social Services, Children and Young People](#)

Skills for Work Courses

[Creative Industries](#)

[Hospitality](#)

[Early Education](#)

Other Courses

[Higher Accounting](#)

[Higher Childcare](#)

[Intro to Computing](#)

[Forensic Science & Criminology](#)

[VTCT intro to Hair and Beauty](#)

[Gateway to Nursing and Allied Professions](#)

[Get Ready for Nursing and Allied Professions](#)

What is a Foundation Apprenticeship?

Foundation Apprenticeships are work based qualifications developed by Skills Development Scotland in partnership with employers, colleges and Sector Skills Councils to create stronger links between education and industry. These are aimed at pupils in S5 & S6 and are offered either as a 1 year fast track course or 2 year course. They combine academic learning with hands-on practical tasks and many include work placements with a local employer. The knowledge, skills and work experience gained will help to broaden options for pupils, enabling them to go on to complete a Modern Apprenticeship, attend college/university or go directly into employment.

Foundation Apprenticeships at SCQF level 6 are considered by most universities as the equivalent to a grade A or B at Higher.

What impact does choosing a Foundation Apprenticeship have on a pupils timetable?

2 year course: This will take up one column in your senior phase curriculum. In the first year courses are likely to take place on a Tuesday and Thursday afternoon. Pupils will be allowed out from their period 5 class on these days to get lunch before travelling to college. Pupils will then receive an additional tutorial period to allow them to catch up on any work missed in class. These times may change in the second year depending on potential work placement element of courses.

1 year course: These are known as fast track courses and as such have a bigger impact on timetables. These potentially can take up to three columns in the curriculum. Confirmation of this will be provided at curriculum review meetings.

Available Foundation Apprenticeships in 2026

These can all be found on the Forth Valley College website : [Home](#) | [Forth Valley College](#)

- Media
- Engineering - 2 year option

What is the Young Applicants in School Scheme?

The Young Applicants in Schools Scheme (YASS) is designed to bridge the gap between school and university, college or employment and helps motivated students stand out from the crowd. It encourages independent learning and builds confidence. Taking part in YASS develops key skills like time management and using an online study environment. YASS receives support from the Scottish Funding Council which allows all places for school pupils on 10 and 30 credit modules to be fully funded.

What impact does choosing a YASS course have on timetable?

This will be part of the Leadership Academy in the senior phase curriculum. However, as these modules are online and pupils study independently they can be chosen in any column. Pupils are provided with an area to complete online work at the scheduled times on their timetable.

What are the benefits of YASS?

- Each course offered through YASS is SCQF Level 7, equivalent to first year university level
- Skills gained can add valuable content to CV's and applications for University, College, Employment or Apprenticeships
- YASS courses can really stand out on personal statements
- Students have access to the entire Open University library which they can use for other subjects they are studying as well
- Support throughout module by experienced Open University staff

What could I study?

There are courses available in the following areas; Arts, Business and Management, Engineering Computing & Technology, Health & Social Care, Languages, Law, Mathematics, Science, Social Sciences and Sport and Exercise.

You can find out more about all the available courses [here](#)

What is LEAPS?

LEAPS is a widening participation programme which aims to encourage and advise students who are traditionally under-represented in higher education. They support young people in Scotland, raising aspirations and providing impartial advice about higher education. They currently work with secondary schools throughout Scotland, supporting pupils who match [LEAPS eligibility criteria](#). Please note this course cannot be taken if a pupil is not LEAPS eligible.

LEAPS is designed to give students the skills and experience to make a positive transition to university. Pupils get the experience of engaging in online learning and experiencing life on campus at Edinburgh University. At present out pupils visit the university approximately every 4 weeks. Transport is provided.

What impact does choosing LEAPS have on timetable?

This will take up one choice in the senior phase curriculum. This will be timetabled on a Tuesday and Thursday afternoon to align with online tutorial session, and visits to Edinburgh university campus.

What are the benefits of LEAPS?

- The course is credited by the Centre for Open Learning at SCQF Level 7, equivalent to first year university level
- Skills gained can add valuable content to personal statements for applications for University
- Support throughout module by experienced LEAPS staff