



Education Services



Curriculum for Excellence

Hyndland Secondary School

S3 Course Information

A Guide for pupils and parents

2017 / 2018

This booklet contains information about the Subjects and Courses, which are available to pupils in S3, the final year of the Broad General Education, at Hyndland Secondary School.

The booklet is intended to be of interest to parents/carers and pupils in Second Year as they look ahead to curricular demands of S3. In addition Hyndland Secondary School has made a commitment to allowing young people an element of personalisation and choice in this final year of the Broad General Education. Since it is likely that such choice will see most pupils continuing S3 courses as they progress into the Examination courses within the Senior Phase in S4, the course outlines enclosed offer a clear outline of this progression.

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- Other aspects of the Curriculum

2. PERSONALISATION AND CHOICE

- Making Choices
- Preparation
- Some good advice when making choices

3. COURSE OUTLINES

Obviously this is a most important process. We mean to offer as much assistance and advice as possible. If you wish further information at any point, do not hesitate to contact us at Hyndland.

We will do our best to help you.

Best wishes

Yours sincerely



M McNeil
HEAD TEACHER

CAUTION - Please bear in mind that, while we will do our best to meet individuals' requests, we cannot guarantee that EVERY request will be met. Much depends on the numbers of pupils who choose particular courses and upon the availability of staffing. It may also be that not every course on offer is actually provided.

THE CURRICULUM

Rationale and design of the curriculum.

In designing our curriculum we have kept at the core of the four capacities within curriculum for Excellence and we remain committed to developing these capacities in all learners as they progress through each stage of school life: Successful Learners; Confident Individuals; Effective Contributors; Responsible Citizens.

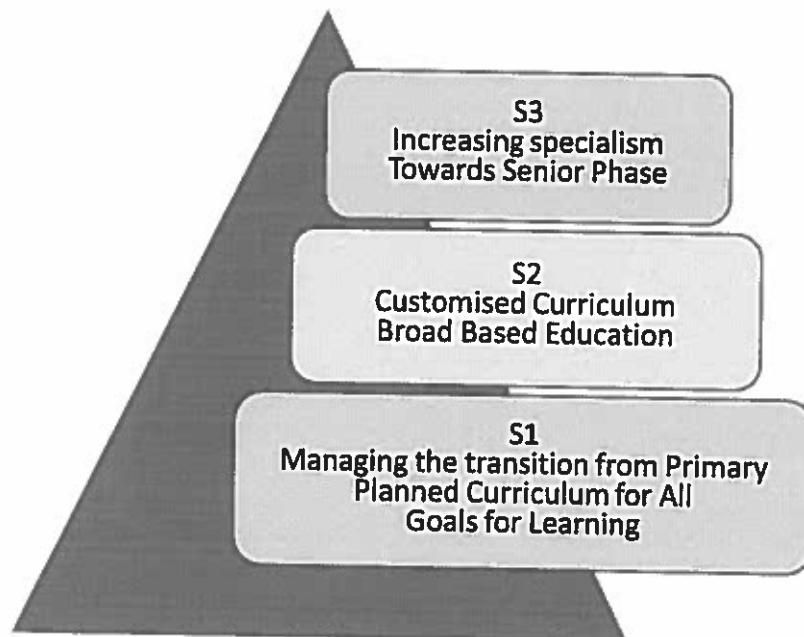
The curriculum in Hyndland Secondary School supports every aspect of school life and meets the commitment of Curriculum for Excellence to deliver "the totality of all that is planned for children and young people throughout their education"

- Ethos and life of the school as a community
- Curriculum areas and subjects
- Interdisciplinary Learning
- Opportunities for Personal Achievement

We have also paid due diligence to the seven principles of curriculum design when planning for our young people. These principles are

- Challenge and enjoyment
- Breadth
- Progression
- Depth
- Personalisation and choice
- Coherence and
- Relevance

The Broad General Education S1 – S3



The Senior Phase S4 – S6 and National Qualifications

As young people move into the Senior phase (S4- S6) they will work towards National Qualifications. As pupils enter S4 it is expected that the majority of young people will continue their studies within the areas chosen for study throughout S3. There will however be some flexibility to ensure the most appropriate progression routes for all learners.

The Senior Phase in Hyndland Secondary School will begin in S4 and continue through to the end of S6.

During the Senior Phase young people will be supported to make the best choices with regards to subject choice, level and future plans/careers.

Some good advice when choosing your subjects

Making the right choices for you:

- ✓ It is important to remember that you are choosing a course that is likely to last for TWO years. While this will be reviewed at the end of S3, starting a new course at this point may limit the qualification level you can reach by the end of S4.
- ✓ Always choose a well balanced range of course. You must choose from each of the curricular areas.
- ✓ Listen to advice from your teachers, your parents, and careers officer in order to make the best choices for you!
- ✓ Look careful attention at your S2 Report and listen to advice from teachers. Generally speaking you will do better to choose subjects in which you have done well.
- ✓ Consider also how much you enjoy a subject. If you are happy in a subject the greater chance of attaining well.
- ✓ Remember to think beyond S3 and what you may like to do in S5/S6 and beyond.

. Making the wrong choices for you:

- ❖ Choose a subject just because your friend has chosen it.
- ❖ Choose a subject just because you like the teacher. You may have a different teacher next session
- ❖ Give up a subject at the end of S2 without thinking whether or not you may need it for a future career.


S3 Course Outlines

Core Subjects

CORE

English

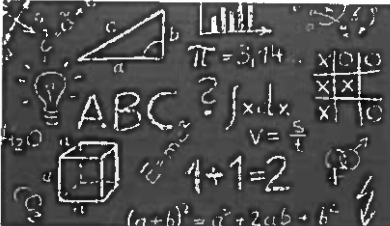
Broad General Education leading to National 4 and 5

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| <p>Why Study English?</p>  | <ul style="list-style-type: none"> Studying English allows you to develop a range of skills that are essential to life and work. Skills such as communication, reading, writing in a range of formats and public speaking will also assist you in other subjects. |
| <p>What will I study in English?</p> | <ul style="list-style-type: none"> You will have the opportunity to study a range of literature from Scotland and the wider world. You will be given the chance to write in a range of styles and for a variety of purposes. You will continue to develop skills in analysing non-fiction texts. |
| <p>Wider benefits of studying English?</p> | <ul style="list-style-type: none"> Almost all college and university courses look for some level of English qualification on their entry requirements. Not only that but you will develop lifelong skills in communication, note taking, reading and writing that will help you in the world of work and everyday life. |
| <p>Careers using English:</p> | <p>Careers directly related to English;</p> <ul style="list-style-type: none"> Journalist Copywriter Publishing Editor Editorial work Writer Acting English Teacher ESOL Teacher |
| <p>Careers for which English may be beneficial:</p> | <p>Almost any career you might be interested in can be linked to English. A selection are listed below;</p> <ul style="list-style-type: none"> Advertising Marketing PR Librarian Events Management Social Work HR Retail Management and Sales Law Business Accounting Financial Sector Psychology |
| <p>Progression in Music</p> <p>In School</p> <p>Beyond school</p> | <p>In school:</p> <ul style="list-style-type: none"> Courses available at National 4, National 5, Higher and Advanced Higher level. <p>Beyond School:</p> <ul style="list-style-type: none"> Detailed information and links to courses at college and university are now available at www.planitplus.net/ |

CORE

Mathematics

Broad General Education leading to National 4 and 5

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| <p>Why do we study Maths?</p>  | <ul style="list-style-type: none"> Just as languages provide the building blocks and rules we need to communicate, maths uses its own language, made up of numbers, symbols and formulas, to explore the rules we need to measure or identify essential problems like distance, speed, time, space, change, force and quantities. Studying maths helps us find patterns and structure in our lives. Practically, maths helps us put a price on things, create graphics, build websites, build skyscrapers and generally understand how things work or predict how they might change over time and under different conditions. |
| <p>What will I study in Maths?</p> | <ul style="list-style-type: none"> Our S3 courses follow on from the work in S1 and S2, based on the Benchmarks of the Curriculum for Excellence at level 3 and 4. You will also begin to lay the foundation for the study of National Qualifications in S4. Success in S3 will help to determine the level of study in S4. This will either be at National 5 or National 4 Maths. |
| <p>Wider benefits of studying Maths?</p> | <ul style="list-style-type: none"> Maths is one of the best subjects to develop your analytical, research and problem-solving skills. Not only will studying maths help give you the knowledge to tackle scientific, mechanical, coding and abstract problems, it will also help you develop logic to tackle everyday issues like planning projects, managing budgets and even debating effectively. Maths helps supports the study of subjects like physics, chemistry, engineering, IT, business and biology. |
| <p>Careers using Maths:</p> | <ul style="list-style-type: none"> Maths is tremendously important, providing a foundation for all scientific, technical, engineering and mathematical careers as well as ensuring a flying start in many other types of career, such as those in finance, medicine, agriculture etc. The list is endless! |
| <p>Careers for which Maths is beneficial:</p> | <ul style="list-style-type: none"> People with Maths qualifications can go into: Accounting, Medicine, Engineering, Forensic Pathology, Finance, Business, Consultancy, Teaching, IT, Games development, Scientific research, Programming, the Civil Service, Design, Construction and Astrophysics...to name a few! |
| <p>Progression in Maths</p> <p>In School</p> <p>Beyond school</p> | <p>In school:</p> <ul style="list-style-type: none"> As you progress through the Senior Phase, you may be able to study Maths at National 5, Higher or Advanced Higher level. <p>Beyond School:</p> <ul style="list-style-type: none"> Information and links to careers, apprenticeships and courses at college and University are available at www.planitplus.net/ |

CORE

Personal and Social Education

Broad General Education



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| Why Study Personal and Social Education? | <p>Personal and Social Education is a very valuable subject which support each young person as the go through the school. Young people will explore contemporary issues which impact on their life. Typically the young person's Pastoral Care teacher will deliver the lessons which adds the impact as it is the Pastoral Care teacher who will best know each individual.</p> <p>Personal and Social Education will help develop skills that the young person will use in school and in their lives.</p> |
| What will I Study in Personal and Social Education? | <p>During S3 young people will examine the following areas:</p> <ul style="list-style-type: none">• Healthy relationships• Career planning• Profiling• Target setting• Study Skills• Personal safety |
| Wider benefits of studying Personal and Social Education? | <p>Personal and Social Education is increasingly valuable for young people. It allows them to understand themselves and the world around them, fostering discussion and debate within the class. PSE will support the healthy development of young people within Hyndland Secondary School, preparing them for their next steps in and out of school.</p> |
| Careers in Personal and Social Education? | <p>Self-awareness and an understanding of the world and others supports all career choices that the young people will make,</p> |
| Careers which Personal and Social Education may be beneficial: | <p>All jobs and careers are supported by the work of Personal and Social Education.</p> |
| Progression in Personal and Social Education in school | <p>Young people will continue to study Personal and Social Education until they leave school. Each year group has a specific focus which supports their age and stage development.</p> |

CORE

Physical Education




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| Why Study Physical Education? | Studying Physical Education allows you to explore lots of different activities and learn new and exciting skills through these activities. |
| What will I study in Physical Education? | You will explore 'thinking me', 'social me', 'fit me' and 'skilled me' in a range of different activities. You will also learn how to prepare for a performance and how to lead others in Physical Activity. |
| Wider benefits of studying Physical Education? | <ul style="list-style-type: none"> • attainment • confidence • concentration • self-motivation • communication • emotional well-being • team working skills • memory • imagination • creative thinking • intellectual curiosity • technology skills |
| Courses in Physical Education: | <ul style="list-style-type: none"> • Sport Science courses • Physical Education Teaching • Sports Development courses • Nutrition and Physical Activity courses • Personal Trainer courses • Lifestyle behaviour change courses • Community Sport courses • Sport Psychology courses • Biomechanics courses |
| Careers for which Physical Education may be beneficial: | <ul style="list-style-type: none"> • Nursery Teacher • Primary Teacher • Secondary Teacher • Physiotherapy • Professional Sport person • Sports coach • Sport policy at National and Local Level • Diet and Fitness Instructor • Personal Trainer |
| Progression in Physical Education | <p>In school: Courses available at National 4, National 5, Higher and Sport Leaders available.</p> <p>Beyond School: Detailed information and links to courses at colleges and universities are now available at www.planitplus.net.</p> |

CORE

Religious and Moral Education


Broad General Education

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| <p>Why Study RME?</p>  | <ul style="list-style-type: none"> Through the Course, learners are enabled to develop the four capacities. The Course will do this by developing knowledge, understanding and skills, developing understanding of human beliefs, values and behaviour, and examining how religion, morality and philosophy can help people find meaning and purpose in life. In developing these four capacities of Curriculum for Excellence, this Course will also provide opportunities for learners to develop skills for learning, skills for life and skills for work. These include literacy, personal learning, and thinking skills. Developing understanding and respect for different views can develop a sense of responsible citizenship. |
| <p>What will I study in RME?</p> | <ul style="list-style-type: none"> Religious and Philosophical Questions In this Unit, learners will develop skills to explain and express reasoned views about contemporary moral questions and responses. They will develop detailed factual and theoretical understanding of contemporary moral questions and religious and non-religious responses. The purpose of this Course is to develop knowledge and understanding of religious, moral and philosophical issues that affect the world today. Religious and non-religious perspectives will be included.' |
| <p>Wider benefits of studying RME?</p> | <ul style="list-style-type: none"> This Course allows learners to develop values and beliefs and learn to express these. The Course encourages learners to develop an understanding of, and respect for, different beliefs, values and viewpoints, and to put their values or beliefs into action in ways which benefit others. |
| <p>Careers in RME:</p> | <ul style="list-style-type: none"> RME is also highly useful if considering a career in Journalism, Broadcasting, Education, Public Relations, Local Government, Town Planning, Publishing, Librarianship, Social Work or the Civil Service. |
| <p>Progression in RME</p> <p>In School</p> <p>Beyond school</p> | <p>In school</p> <ul style="list-style-type: none"> As pupils progress into the later stages of the senior phase they may choose to study the full Philosophy course at Higher or National 5. <p>Beyond School</p> <ul style="list-style-type: none"> Employers value the knowledge and skills that studying History can provide. RME develops learners' conceptual understanding and fosters their ability to think independently. In addition, studying RME enables learners to acquire breadth and depth in the knowledge and understanding of moral and philosophical questions. |

CORE

STEM/ Languages

Broad General Education


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|  <p>Why STEM/Languages?</p> | <p>There are many career opportunities within the field of Science, Technology, Engineering and Maths. This core period will support other work across the curriculum by providing the young people with the opportunity to work on interdisciplinary themes with cut across the STEM subjects.</p> <p>The Languages aspect of this core period will provide the young people with opportunity to continue with a Modern Language into S3. Each youngster will study Spanish for half the year developing conversation and the spoken word</p> |
| <p>What will I Study in STEM/Languages?</p> | <p>During the STEM element of the class youngsters will work in practical class section on a STEM projects which will provide the young person with the opportunity to think creatively and work as part of a team using principles from Science, Technology, Engineering and Maths.</p> <p>During Languages (Spanish) each young person will been given the opportunity to develop their speaking skills with an emphasis on languages for work, life and leisure.</p> |
| <p>Wider benefits of studying STEM/Languages?</p> | <p>The study of the STEM element of the class will develop critical thinking, team work and transferable skills which can be used across the curriculum. Young people will understand how many career opportunities are available within this employment field.</p> <p>The Languages element will allow each young person to continue with a Modern Language through S3. With many career opportunities availed outside Scotland and the UK, the ability to speak a modern language will be very valuable.</p> |
| <p>Careers in STEM/Languages?</p> | <p>Careers in STEM include</p> <ul style="list-style-type: none"> • Engineering • Financial sector • Teaching • Research • Medical • Design <p>Careers with languages include:</p> <ul style="list-style-type: none"> • Tourism • Travel • Teaching • Interpreter • Education • Overseas work – various. |
| <p>Careers which STEM/Languages may be beneficial:</p> | <p>The ability to think critically and practically can support a wide range of careers from the STEM based subjects through to working with others</p> <p>The ability to speak a language can make you very desirable for</p> |
| <p>Progression in STEM/Languages in school</p> | <p>This subject is only delivered in S3. However the skills which will be developed in the class will enhance other subjects which are being studied at National Qualification level and beyond.</p> |

Expressive Arts

EXPRESSIVE ART

Art & Design


Broad General Education leading to National 4 and 5

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| Why Study Art & Design?  | <ul style="list-style-type: none"> Studying Art & Design gives you the opportunity to be creative and to express yourself in different ways. |
| What will I study in Art & Design? | <ul style="list-style-type: none"> Learning in the course will include active involvement in creative activities and the creative use of media, materials and technologies. You will also study the work of a range of artists' and designers'. |
| Wider benefits of studying Art & Design? | <ul style="list-style-type: none"> attainment confidence concentration self-motivation communication emotional well-being team working skills memory imagination creative thinking intellectual curiosity technology skills |
| Careers in Art & design: | <p>Art & Design is recommended for –</p> <ul style="list-style-type: none"> Fine Art degree courses – <ul style="list-style-type: none"> Architectural degree Art & Design Teaching Computer based design Design and media courses Environmental Art Fashion/textile design Fine Art Photography Graphic design Interior design Jewellery design Painting Printmaking Sculpture |
| Careers for which Art & Design may be beneficial: | <p>Teacher</p> <ul style="list-style-type: none"> Arts Administration Community Arts Media Film Making/Production Hair Dressing |
| Progression in Art & Design | <p>In school:</p> <ul style="list-style-type: none"> Courses available at National 4, National 5, Higher and Advanced Higher Level in Art & Design and at Higher level for Photography. |

EXPRESSIVE ART

Drama


Broad General Education leading to National 4 and 5

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| <p>Why Study Drama?</p>  | <ul style="list-style-type: none"> Drama is an extremely versatile subject, allowing pupils to not only explore theatre and performance, but also engage with theatre arts such as lighting design, sound production and costume design and manufacture. The drama course is designed to allow pupils to gain skills in a variety of areas that will not only benefit them in Drama, but allow them to develop communication skills and broaden their knowledge. |
| <p>What will I study in Drama?</p> | <ul style="list-style-type: none"> You will have the opportunity to explore many forms of Drama including Pantomime, Melodrama and Issue-Based Theatre. Pupils are able to bring their own interests as they learn about how to structure performance and create interesting and engaging work. You will also be able to gain skills in a range of theatre arts and tailor your experience in Drama to your interests and skill set |
| <p>Wider benefits of studying Drama?</p> | <ul style="list-style-type: none"> A growing body of research suggests that young people can gain numerous benefits from studying Drama. This includes potential improvements in: <ul style="list-style-type: none"> Attainment Communication Concentration Confidence Creative thinking Emotional well-being Imagination Intellectual curiosity Memory Self-motivation Team working skills Technology skills |
| <p>Careers in Drama</p> | <ul style="list-style-type: none"> Whether your ambitions lie in creating or performing Drama or whether you see yourself as more of a behind the scenes person there are a wide range of opportunities available in the Drama industry in Scotland, the UK and beyond. These include: <ul style="list-style-type: none"> Actor Costume Design Director Drama Teacher Producer Screenwriter/playwright Set Designer Sound Engineer/Designer |
| <p>Careers for which Drama may be beneficial</p> | <ul style="list-style-type: none"> <ul style="list-style-type: none"> Agent Arts Administration Broadcasting Community Arts Dance Drama Management Film Media Medicine/Law Primary Teacher Public facing roles e.g. Publishing Sales Theatre Technology |
| <p>Progression in Drama</p> | <p>In School: Courses available at National 4, National 5 and Higher level.</p> <p>Beyond School:</p> <ul style="list-style-type: none"> Detailed information and links to courses at college, university and conservatoire are now available at www.planitplus.net/ |

EXPRESSIVE ART

Fashion and Textile Technology


Broad General Education leading to National 4 and 5

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| <p>Why Study Fashion ?</p>  | <ul style="list-style-type: none"> • FTT develops a host of essential skills needed to continue with FTT in education and within the world of work. The thinking skills developed in FTT will better help learners become confident and independent in their learning across the curriculum and will enable them to problem solve and think independently. |
| <p>What will I study in Fashion?</p> | <ul style="list-style-type: none"> • There are three key areas within the FTT course; Item Development, Textile Technology and Fashion Choices. • We look at textiles in relation to different properties and characteristics and apply this knowledge through practical tasks and textile choice to help enable learners to meet different fashion needs. • Learners have the opportunity to go through the design process and create/evaluate products based on market research they will carry out. • Learners build up a skills portfolio of different fabric sewing processes whilst learning to follow a paper pattern for construction of garments. • Learners will be introduced to a range of contemporary fashion issues and will discuss how these can affect consumers' choice in fashion. |
| <p>Wider benefits of studying Fashion?</p> | <p>Skills developed within FTT :</p> <ul style="list-style-type: none"> • Communication skills • Confidence/independently/working/problem solving • Creativity • Emotional well-being • Evaluation of fabric products to meet specified needs • Making choices • Physical well-being • Practical fabric skills/using equipment • Self-Evaluation • Self-motivation • Team working skills • Technology skills |
| <p>Careers for which FTT may be beneficial:</p> | <ul style="list-style-type: none"> • Fashion buyer • Fashion designer • Fashion retail • Marketing in fashion • Primary/Secondary Teacher • Sales/PR in fashion |
| <p>Progression in FTT</p> <p>In School</p> <p>Beyond school</p> | <p>In In school:</p> <ul style="list-style-type: none"> • Courses available at National 4, National 5, Higher Level. <p>Beyond School:</p> <ul style="list-style-type: none"> • Detailed information and links to courses at college, university and conservatoire are now available at www.planitplus.net/ |

EXPRESSIVE ART

Music


Broad General Education leading to National 4 and 5

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| <p>Why study Music?</p>  | <ul style="list-style-type: none"> • Music provides learners with rich opportunities to be creative and to experience inspiration and enjoyment. Performing and creating music will be the prominent activities for all learners. Through these activities, they develop their vocal and instrumental skills, explore sounds and musical concepts, and use their imagination and skills to create musical ideas and compositions. |
| <p>What will I study in Music?</p> | <ul style="list-style-type: none"> • In S3 pupils will study courses which build on the Experiences and Outcomes at the third and fourth level. As they progress into the Senior Phase in S4, Music will be offered at National 4 and National 5 level. • At both National 4 and National 5 level, learners will continue to develop performing skills on two instruments as well as developing a deeper musical understanding through listening to music. Learners will also produce their own musical compositions. |
| <p>Wider benefits of studying Music:</p> | <p>A growing body of research suggests that young people can gain numerous benefits from studying music.</p> <ul style="list-style-type: none"> • attainment • communication • concentration • confidence • creative thinking • emotional well-being • imagination • intellectual curiosity • memory • self-motivation • team working skills • technology skills |
| <p>Careers in Music:</p> | <p>Whether your ambitions lie in creating or performing music or whether you see yourself as more of a behind the scenes person there are a wide range of opportunities available in the music industry in Scotland, the UK and beyond.</p> <p>These include:</p> <ul style="list-style-type: none"> • Composer/Songwriter • DJ • Military Bands • Music Instrument Technologist • Music Promotions • Music Teacher • Music Therapist • Musician/Performer • Piano Tuner • Sound Engineer • Stage Manager |
| <p>Careers for which Music may be beneficial:</p> | <ul style="list-style-type: none"> • Acting - Drama/Theatre • Arts Administration • Broadcasting • Choreographer • Community Arts • Film Making/Production • Marketing • Music Management • Primary Teacher • Publishing • Roadie • Theatre Technology |
| <p>Progression in Music in school and beyond:</p> | <ul style="list-style-type: none"> • In school: • Courses available at National 4, National 5, Higher and Advanced Higher Level. • Beyond School: • Detailed information and links to courses www.planitplus.net/ |

EXPRESSIVE ART

Physical Education

Broad General Education leading to National 4 and 5


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| Why Study P.E?  | <ul style="list-style-type: none">• To gain a variety of transferable skills you can use anywhere.• To experience a range of different activities that you might not have tried before.• To use as a stepping stone from our Broad General Education to our National 5 course.• If you enjoy being active and learning through activities. |
| What will I study in P.E? | <ul style="list-style-type: none">• You will explore the 4 factors that impact performance through a range of different activities.• How to improve these factors using a variety of approaches and monitoring tools.• How to overcome challenges.• How to <u>prepare</u> for a <u>performance</u>. |
| Wider benefits of studying P.E? | <ul style="list-style-type: none">• Encourages a healthy lifestyle later in life.• You will learn skills that can be transferred to all areas of school life and beyond.• Will build self-esteem levels through personalisation and choice.• Active Learning.• Opportunities to learn leadership skills through a range of different contexts. |
| Careers in P.E: | <ul style="list-style-type: none">• Diet and Fitness Instructor• Personal Trainer• Physical Education Teacher• Physical Therapist• Physiotherapist• Primary Teacher• Sport Science |
| Progression in P.E. In School Beyond school | <ul style="list-style-type: none">• Courses available at National 4, 5, Higher and Sport Leaders.• Detailed information and links to courses at college, university and conservatoire are now available at www.planitplus.net/ |

Languages

LANGUAGES

French


Broad General Education leading to National 4 and 5

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| <p>Why Study French?</p>  | <ul style="list-style-type: none"> • One of the world's most beautiful languages and the only language to be spoken in all 5 continents. The studying of French will open all sorts of international opportunities to you. |
| <p>What will I study in French?</p> | <ul style="list-style-type: none"> • You will learn how to talk about your free time, where you live and your future plans as well as looking at the culture of the Francophone world |
| <p>Wider benefits of studying French?</p> | <p>There are many benefits of studying French for example:</p> <ul style="list-style-type: none"> • Improved command of English • Improved memory and information retention • Increased literacy skills • Increased confidence • Increased communication skills • Increased cultural awareness and tolerance • Increased adaptability and independence • Stepping stone to any other Latin based language |
| <p>Careers in French:</p> | <ul style="list-style-type: none"> • Specific careers in French include: • Interpretation • Journalism • Teaching • Tourism • Translation |
| <p>Careers for which French may be beneficial:</p> | <p>The main careers which are commonly combined with French are:</p> <ul style="list-style-type: none"> • Accountancy • Business • Engineering • History/Politics/Geography • Law <p>However remember if you speak French, you can have the same career as in Scotland but in sunny France, so French will help you with every job!</p> |
| <p>Progression in French In School Beyond school</p> | <p>In School</p> <p>Qualifications on offer in school</p> <ul style="list-style-type: none"> • Advanced higher • Higher • National 4 • National 5 • The Institut Français is long established in Glasgow offering night classes and cultural taster sessions. |

Languages

Media


Broad General Education leading to National 4 and 5

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| <p>Why Study Media?</p>  | <p>In a world where social media is increasingly prevalent it is important to be able to deconstruct the media content that is around you every day. BGE Media will provide you with the skills to understand and analyse the Media content around you.</p> |
| <p>What will I study in Media?</p> | <p>You will study a range of media texts; film, TV, advertisement, print media. This will be organised into a selection of fiction and non-fiction. You will study classic and modern films, TV content and print such as magazines and newspapers.</p> |
| <p>Wider benefits of studying Media?</p> | <p>Analysis and evaluative skills gained in Media can be deployed in a range of other subjects that you are studying in school. Picking BGE Media will give you the opportunity to access Media content you might not see on your own.</p> |
| <p>Careers using Media:</p> | <p>Careers directly related to Media;</p> <ul style="list-style-type: none"> • Journalist • Copywriter • Social Media Working • Director • Actor • Careers in film/TV/theatre |
| <p>Careers for which Media may be beneficial:</p> | <p>A selection are listed below;</p> <ul style="list-style-type: none"> • Advertising • Marketing • PR • HR • Retail Management and Sales • Business • Broadcasting • Media planning |
| <p>Progression in Media</p> <p>In School</p> <p>Beyond school</p> | <p>In school: Courses available at National 4, National 5, Higher and Advanced Higher level.</p> <p>Beyond School: Detailed information and links to courses at college and university are now available at www.planitplus.net/</p> |

LANGUAGES

Spanish

Broad General Education leading to National 4 and 5

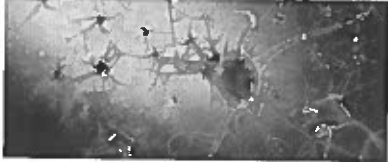
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| <p>Why Study Spanish?</p>  | <ul style="list-style-type: none"> Spanish is the second most spoken language in the world with 427 million speakers and 40 million in the USA alone. Spain is the holiday destination of choice for the majority of the British people. |
| <p>What will I study in Spanish?</p> | <ul style="list-style-type: none"> You will learn how to talk about your free time, where you live and your future plans as well as looking at the culture of the Hispanic world |
| <p>Wider benefits of studying Spanish?</p> | <p>There are many benefits of studying Spanish for example:</p> <ul style="list-style-type: none"> Improved command of English Improved memory and information retention Increased literacy skills Increased confidence Increased communication skills Increased cultural awareness and tolerance Increased adaptability and independence Stepping stone to any other Latin based language |
| <p>Careers in Spanish:</p> | <ul style="list-style-type: none"> Specific careers in Spanish include: Interpretation Journalism Teaching Tourism Translation |
| <p>Careers for which Spanish may be beneficial:</p> | <p>The main careers which are commonly combined with Spanish are:</p> <ul style="list-style-type: none"> Accountancy Business Engineering History/Politics/Geography Law However remember if you speak Spanish, you can have the same career as in Scotland but in one of the Spanish "Costas" or in the USA, Spanish will help you with every job! Fluency in English and Spanish will open up the American job market to you! |
| <p>Progression in Spanish</p> | <p>Qualifications on offer in school</p> <ul style="list-style-type: none"> National 4 National 5 Higher Advanced higher |

Science

SCIENCE

Biology


Broad General Education leading to National 4 and 5

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| <p>Why Study Biology?</p>  | <ul style="list-style-type: none"> • Biology —the study of living organisms — plays a crucial role in our everyday existence, and is an increasingly important subject in the modern world. Biology affects everyone and aims to find solutions to many of the world's problems. • For example, it explores the use of genetic modification to produce new plants and drugs, devising fertility treatments, curing genetic diseases, and developing new sources of food. • Scotland, is at the forefront of biological developments, and career opportunities in this field are excellent. |
| <p>What will I study in Biology?</p> | <p>In our S3 BGE Biology Course there are 3 Units.</p> <p>Cell Biology</p> <ul style="list-style-type: none"> • In this Unit, learners will develop knowledge and skills related to the study and investigation of cells. This will include cell structure and the processes within cells, such as transport, photosynthesis and respiration <p>Multicellular Organisms</p> <ul style="list-style-type: none"> • In this Unit, learners will develop knowledge, skills related to the study and investigation of whole organisms. We will find out more about important processes such as reproduction and inheritance in plants and animals. <p>Life on Earth</p> <ul style="list-style-type: none"> • In this Unit, learners will develop knowledge and skills related to the study and investigation of Life on Earth. We learn more about world ecosystems, biodiversity and the relationships which exist between organisms and their environment. |
| <p>Wider benefits of studying Biology?</p> | <ul style="list-style-type: none"> • Biology is relevant to everything we do. It helps us to understand how our body works, and to appreciate the relationship which we have with our planet |
| <p>Careers in Biology:</p> | <ul style="list-style-type: none"> • Biology is essential for careers in many diverse fields. A few examples are listed below: • Medicine • Dentistry • Veterinary Medicine • Nursing, (and other related professions) • Biological science • Food science • Physiotherapy, • Psychology • Environmental Management & Conservation, |
| <p>Careers for which Biology may be beneficial:</p> | <ul style="list-style-type: none"> • A Biology Qualification can open many doors. It is also useful for careers such as : • Beauty therapy • Dental nurse • Primary teaching • Management training • To name but a few. |
| <p>Progression in Biology In School Beyond school</p> | <p>In School</p> <ul style="list-style-type: none"> • Courses available at National 4, National 5, Higher and Advanced Higher Level. <p>Beyond School:</p> <ul style="list-style-type: none"> • Detailed information and links to courses at college, university and are now available at www.planitplus.net/ |

SCIENCE

Chemistry

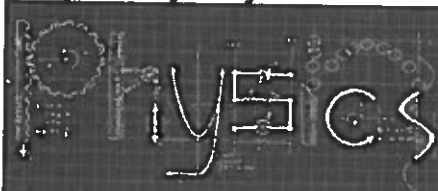
Broad General Education leading to National 4 and 5

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| <p>Why Study Chemistry?</p>  | <ul style="list-style-type: none"> Studying Chemistry helps you understand the world around you. A basic understanding of chemistry will help you understand product labels, make informed decisions, become a better cook, stay safe around household chemicals, understand current events including news about the environment, fuels, pollution and technical advances. |
| <p>What will I study in Chemistry?</p> | <ul style="list-style-type: none"> There are three units of study in Chemistry. Chemical changes and structure covers chemical reactions and properties of materials. In Nature's Chemistry, you will learn about the chemistry of carbon and of every day consumer products. The Chemistry in Society unit covers metals & their extraction and properties of plastics and Nuclear Chemistry. |
| <p>Wider benefits of studying Chemistry?</p> | <ul style="list-style-type: none"> A growing body of research suggests that young people can gain numerous benefits from studying chemistry. This includes potential improvements in: <ul style="list-style-type: none"> Communication & interpersonal skills Confidence Creative thinking Develop the knowledge and skills for more advanced learning in chemistry Imagination Intellectual curiosity Organisational skills Problem solving skills Research and report writing Scientific analytical thinking skills Scientific inquiry and investigative skills Self-motivation Skills of independent working Team working skills The use of technology Use and understand scientific literacy, in everyday contexts |
| <p>Careers in Chemistry:</p> | <p>Careers include:</p> <ul style="list-style-type: none"> Analytical chemist Chemical engineer Clinical Scientist Dentistry Forensic scientist Lab Technician Medicine Nuclear Scientist Pharmacy Scientific Journalist Toxicologist Vet Water Management |
| <p>Careers for which Chemistry may be beneficial:</p> | <ul style="list-style-type: none"> Building & Design Environmental consultant Primary Teacher Sport scientist |
| <p>Progression in Chemistry</p> <p>In School</p> <p>Beyond school</p> | <p>In school:</p> <ul style="list-style-type: none"> Courses available at National 4, National 5, Higher and Advanced Higher Level. <p>Beyond School:</p> <ul style="list-style-type: none"> Detailed information and links to courses at college, university and are now available at www.planitplus.net/ also, on the Royal Society of Chemistry website: |

SCIENCE

Physics

Broad General Education leading to National 4 and 5


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| <p>Why Study Physics?</p>  | <ul style="list-style-type: none"> • Studying Physics will give you the opportunity to: • Investigate scientific ideas, develop critical thinking and problem solving skills and explain everyday phenomena – like 'how long will it take for the kettle to boil?' and explain how the 'Northern Lights' are produced. |
| <p>What will I study in Physics?</p> | <ul style="list-style-type: none"> • There are three units of study in Physics. In Dynamics and Space, you will learn about forces and motion and explore the evidence for the Big Bang. The Electricity and Energy unit takes us from LEDs to re-entry in space travel. Radiation and waves is the study of the electromagnetic spectrum and how we use it in everyday life. |
| <p>Wider benefits of studying Physics?</p> | <ul style="list-style-type: none"> • A growing body of research suggests that young people can gain numerous benefits from studying physics. This includes potential improvements in: <ul style="list-style-type: none"> • attainment • confidence • organisational skills • self-motivation • communication & interpersonal skills • mathematical skills • logical thinking • team working skills • memory • imagination • creative thinking • intellectual curiosity |
| <p>Careers in Physics:</p> | <ul style="list-style-type: none"> • Brian Cox or Brian May – both studied Physics. • Other careers include: <ul style="list-style-type: none"> • Aeronautical Engineer • Architect • Astronomer • Clinical Scientist • Electrician • Lab Technician • Medical Physicist • Meteorologist • Optician • Particle Physicist • Satellite Engineer • Scientific Journalist • Sound Engineer • Space and Remote sensing • Tunnel Engineer • Water Management |
| <p>Careers for which Physics may be beneficial:</p> | <ul style="list-style-type: none"> • Broadcasting and TV • Building & Design • Environmental Protection • Medicine • Primary Teacher • Sport scientist |
| <p>Progression in Physics In School Beyond school</p> | <ul style="list-style-type: none"> • In school: • Courses available at National 4, National 5, Higher and Advanced Higher Level. • Beyond School: • Detailed information and links to courses at college, university www.planitplus.net/ |

Social Studies

SOCIAL STUDIES

Business Management


Broad General Education leading to National 4 and 5

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| <p>Why Study Business Management?</p>  | <p>Business Management is all about the world of work and the skills and knowledge you gain will give you an excellent insight into a range of businesses and career opportunities. You will study real-world and up to date information</p> |
| <p>What will I study in Business Management?</p> | <ul style="list-style-type: none"> • You will learn about how different types of businesses operate and how they can work to achieve their objectives, which aren't always just about profit. You will learn about the different factors that can affect how successful a business is, and who can benefit from it. • You will learn about how businesses can ensure they employ the best people for the job and how to support their staff. You will learn about managing finance and how budgets work. You will learn how businesses can identify the best products or services to sell, as well as the many different ways to promote them. |
| <p>Wider benefits of studying Business Management.</p> | <ul style="list-style-type: none"> • You will gain a wide range of transferrable skills and knowledge that can be used to help in your learning or will benefit your future career greatly. By gaining a solid understanding of how recruitment works you will have a massive advantage when applying for a job. |
| <p>Careers in Business Management.</p> | <ul style="list-style-type: none"> • In Business Management you will learn about how every type of organisation works, from starting your own business, to working as part of a multinational company and even public organisations and charities! • This means that the knowledge you gain can be used in just about every industry, but more directly you could look to a career as a: • Marketing Consultant, Project manager, Stockbroker, risk analyst, retail manager, management consultant, accountant, business analyst or investment banker, Human Resources manager. |
| <p>Careers for which Business Management may be beneficial</p> | <ul style="list-style-type: none"> • By gaining a good understanding of different types of business organisations you will be well placed to contribute to a range of industries – retail, fashion, media, graphics design, charity work, events management, administrative work and many others. |
| <p>Progression in Business Management: In School Beyond school</p> | <ul style="list-style-type: none"> • In S4 you will have the opportunity to achieve National 4 or National 5 Business Management. • In S5/S6 you will have the opportunity to study National 5 or Higher Business Management. Advanced Higher may be available outside of school. |

SOCIAL STUDIES

Geography


Broad General Education leading to National 4 and 5

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| <p>Why Study Geography?</p>  | <ul style="list-style-type: none"> • Geography opens up the physical environment around us and the ways in which people interact with it. The purpose of Geography is to develop our understanding of our changing world and its human and physical processes. Geography is not only up-to-date and relevant, it is one of the most exciting, adventurous and valuable subjects to study today. So many of the world's current problems boil down to geography and need the geographers of the future to help us understand them. |
| <p>What will I study in Geography?</p> | <ul style="list-style-type: none"> • Unit 1 Physical Environments: • This unit investigates weather conditions along with air masses and synoptic charts. Also covered are river and limestone landscapes as well as land uses and associated conflicts. • Unit 2 Human Environments: • In this unit, pupils will develop knowledge and understanding of social and economic indicators of development, global population patterns and the influence of demographic factors. Also covered are urban and rural environments. • Unit 3 Global Issues: • In this context, pupils will develop knowledge and understanding of significant global issues such as; climate change, the impact of human activity on the natural environment, environmental hazards, trade and globalisation, tourism and health. |
| <p>Wider benefits of studying Geography?</p> | <ul style="list-style-type: none"> • The broad ranging content and skills of the course make Geography an extremely worthwhile subject to study. A qualification in geography is recognised for its academic 'robustness' and, most importantly, it also helps young people into the world of work. The course provides opportunities for practical activities, including fieldwork, so that learners can interact with their environment. |
| <p>Careers in Geography:</p> | <ul style="list-style-type: none"> • Geography helps to open the doors to careers in business management, local government, planning, leisure and tourism, teaching, environmental management and the civil service. |
| <p>Progression in Geography In School</p> <p>Beyond school</p> | <ul style="list-style-type: none"> • In school: • A pupil achieving National 4 may choose to progress to National 5. • A pupil achieving National 5 may choose to progress to Higher. • Beyond School: • Many employers prize the knowledge and skills that studying geography can provide, be it knowing how the world works, planning research and report writing, working in a team, using new technologies and communication skills – and much more. Higher Geography is accepted as a science for entry to Scottish University science faculties. |

SOCIAL STUDIES

History

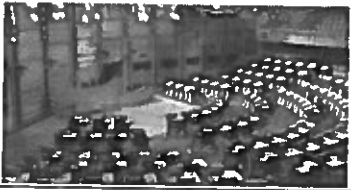
Broad General Education leading to National 4 and 5

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| <p>Why Study History?</p>  | <ul style="list-style-type: none"> By choosing to study History, pupils will develop their knowledge of the past and their understanding of events that have shaped the modern world. Pupils will consider issues on why opinions differ and learn to weigh up and evaluate different types of evidence. |
| <p>What will I study in History?</p> | <p>Unit 1 Historical Study: Scottish:</p> <ul style="list-style-type: none"> The Era of the Great War 1910-1928. T his topic considers the impact of technology on the soldiers on the Western Front. It also considers the way in which the war changed life for people at home as the war began to impact on every aspect of life both during and after the war. <p>Unit 2 Historical Study: British:</p> <ul style="list-style-type: none"> The Making of Modern Britain 1880-1951 A study of the changing role of central government in tackling the problem of poverty, considering the themes of ideas and rights and the development of new relationships between the people of Britain and their government. <p>Unit 3 Historical Study: European and World: Free at Last? Civil Rights in the USA 1918-1968</p> <ul style="list-style-type: none"> A study of the development of race relations in the USA during the years 1918–68, illustrating the themes of ideas, identity and power. |
| <p>Wider benefits of studying History?</p> | <ul style="list-style-type: none"> Studying History enables learners to develop skills of explaining historical developments and events, drawing conclusions and evaluating historical sources. It encourages learners to debate issues and, on the basis of evidence, form views and respect those of others. Above all, it fosters in learners an interest in history which will provide a life-long source of enjoyment |
| <p>Careers in History:</p> | <ul style="list-style-type: none"> History is very useful for a number of Higher Education courses, including Law, Politics, Economics, Archaeology, Architecture and Fine Art. |
| <p>Progression in History</p> <p>In School</p> <p>Beyond school</p> | <p>In school:</p> <ul style="list-style-type: none"> A pupil achieving National 4 may choose to progress to N5. A pupil achieving National 5 may choose to progress to Higher. <p>Beyond School:</p> <ul style="list-style-type: none"> Employers value the knowledge and skills that studying History can provide. History develops learners' conceptual understanding and fosters their ability to think independently. Technologies and communication skills – and much more. History helps to open the doors to careers in business management, local government, the legal profession, teaching, journalism and the civil service. |

SOCIAL STUDIES

Modern Studies

Broad General Education leading to National 4 and 5


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| <p>Why Study Modern Studies?</p>  | <p>The Modern Studies course concentrates on raising pupils' awareness of the society in which they live - how democratic society is; problems and issues which arise, and what can be done about them. This involves looking at such things as voting and elections, the Scottish/UK government, the needs of different people such as those living in poverty and the unemployed, our health and how the government deals with health concerns.</p> |
| <p>What will I study in Modern Studies?</p> | <p>Unit 1 Democracy in Scotland and the United Kingdom</p> <ul style="list-style-type: none"> This syllabus area covers participation and representation in Scotland and Britain, including parliaments and the main political institutions in the UK. <p>Unit 2 Social Issues in the United Kingdom</p> <ul style="list-style-type: none"> In the Social Inequality context, pupils will develop knowledge and understanding of the causes and consequences of social inequality and attempts by governments, other organisations and individuals to tackle it. <p>Unit 3 International Issues</p> <ul style="list-style-type: none"> In the International Issue option, pupils will study a major contemporary world issue which is likely to focus on a significant international conflict or a significant issue which impacts on a number of countries. |
| <p>Wider benefits of studying Modern Studies?</p> | <ul style="list-style-type: none"> Modern Studies aims to produce young people who are well-informed on the issues of the day and who understand how their society works. It also tries to develop in them balanced views which reflect tolerance and an absence of prejudice. These skills are highlighted in the Scottish government's 'Developing Scotland's Young Workforce' policy document |
| <p>Careers in Modern Studies:</p> | <ul style="list-style-type: none"> Modern Studies is very useful for a number of Higher Education courses, including Law, Politics, Economics, Archaeology, Architecture and Fine Art. |
| <p>Careers for which Modern Studies may be beneficial:</p> | <ul style="list-style-type: none"> Modern Studies is also highly useful if considering a career in Journalism, Broadcasting, Education, Public Relations, Local Government, Town Planning, Publishing, Librarianship, Social Work or the Civil Service |
| <p>Progression in Modern Studies</p> <p>In School</p> <p>Beyond school</p> | <p>In school:</p> <ul style="list-style-type: none"> A pupil achieving National 4 may choose to progress to National 5. A pupil achieving National 5 may choose to progress to Higher. <p>Beyond School:</p> <ul style="list-style-type: none"> Employers value the knowledge and skills that studying Modern Studies can provide. Modern Studies develops an awareness of the causes and consequences of social inequality and attempts by government and other organisations and individuals to tackle it. Modern Studies pupils will develop skills in planning, researching and report writing; working in a team, using new technologies and communication skills. |

Technologies

TECHNOLOGY

Administration and IT


Broad General Education leading to National 4 and 5

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| <p>Why Study Administration and IT?</p>  | <ul style="list-style-type: none"> In Administration and IT you will learn a mix skills and knowledge that you can use throughout your whole life – in school, in college or university and most importantly – in your career when you are older! |
| <p>What will I study in Administration and IT?</p> | <ul style="list-style-type: none"> How to use computers and software to a professional standard to make your life simpler, save time and solve problems! You will use word processing, spreadsheet, database, desktop publishing, presentation and other important software packages and how they can be used properly. You will learn how to use internet technologies to research real life, practical information. |
| <p>Wider benefits of studying Administration and IT.</p> | <ul style="list-style-type: none"> By studying Administration and IT you will be able to use them to manage your school and personal life. You could use organisational skills to create a study schedule for exams, create posters and organise events for your sports club and become even better at communicating with people! |
| <p>Careers in Administration and IT.</p> | <ul style="list-style-type: none"> A lot of people think of Administration and IT and think that it's just for office workers and secretarial staff – this is just untrue! There are a very wide range of jobs that will require you to be very capable with administrative skills, there is only space below to list a few: Lawyer, clerical staff, researcher, estate agent, secretary, customer service, personal assistant, financial advisor, politician, insurance. |
| <p>Careers for which Administration and IT may be beneficial</p> | <ul style="list-style-type: none"> Every job at some point will require you to use computers and software - it's a fact of life in the 21st Century! Even if you become an accountant, a pilot, a vet, a nurse, an engineer, a journalist, a fashion designer, a plumber, a teacher, a police officer ,a web site designer or just about anything else you might be thinking of - you will probably have to prepare a presentation, manage your accounts or customer details, complete forms and write professional letters. It is also true to say that the strong ICT skills that you would learn in Administration and IT are very sought after by employers and can make the difference in succeeding in getting any job! |
| <p>Progression in Administration and IT: In School</p> | <ul style="list-style-type: none"> S4 – You will have the opportunity to achieve National 4 or National 5 Administration and IT. S5/6 – You will have the opportunity to achieve National 5 or Higher Administration and IT College/University – There are college courses in Administration from NC to HND level. At university, |

TECHNOLOGY

Computer Games Development


Broad General Education leading to National 4 and 5

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| <p>Why Study Computer Games Development?</p> | <ul style="list-style-type: none"> If you have an interest in computer games then this is definitely a good course for you! Even if you're not a big gamer then maybe you have an interest in programming, art, graphic design, storytelling, product design, media, music or computer technology then there is a lot in this course for you as well. |
| <p>What will I study in Computer Games Development?</p>  | <ul style="list-style-type: none"> In Computer Games Development you will play and analyse existing games and consoles and look into the companies that developed them and how they planned and designed their games. You will study different graphics technologies and how to develop images that can be used in your game. You will also look into how sounds and music can be used to change the whole feel of a game You will design, develop and program your own game which can be as complex as you wish as you will have creative control over what you make. You will market your game as if it were being sold and look at existing game developers to see what is important to show to people. |
| <p>Wider benefits of studying Computer Games Development.</p> | <ul style="list-style-type: none"> This is a very practical course and you learn a wide range of new skills that can be relevant to your other subjects and by learning to use software for creating your game you can use that elsewhere, editing graphics and sounds has a range of uses for personal and career use. |
| <p>Careers in Computer Games Development.</p> | <ul style="list-style-type: none"> A lot of people think that "Games Developer" is one job – there are actually hundreds of different jobs that rely on the games industry and a lot are right here in Scotland: Programmer, digital artist, Animator, Producer, Audio Engineer, Creative Director, Game Designer, Editor, Narrative Writer or Quality Tester. |
| <p>Careers for which Computer Games Development may be beneficial</p> | <ul style="list-style-type: none"> A lot of the skills you develop in this course can also be transferred to many other jobs in the creative industries like visual and audio arts, computing science, and engineering. There is also the skills you gain in project management as you are responsible for planning, implementing and evaluating a project from start to finish! |
| <p>Progression in Computer Games Development:</p> <p>In School</p> <p>Beyond school</p> | <ul style="list-style-type: none"> By the end of S3 you will have the opportunity to achieve a Level 4 NPA in Computer Games Development. By the end of S4 you will have the opportunity to achieve a Level 5 NPA in CGD. By the end of S5/6 you will have the opportunity to achieve a Level 6 NPA in CGD. |

TECHNOLOGY

Computing Science

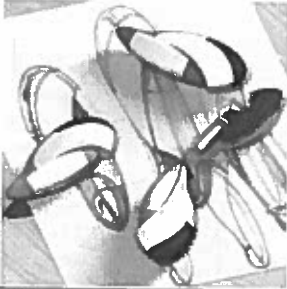
Broad General Education leading to National 4 and 5

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| <p>Why Study Computing Science?</p>  | <ul style="list-style-type: none"> • Computer technology is becoming more and more important to everyone's lives. We all carry powerful computers in our pockets and we rely on them for information, to remind us of important details, to monitor our health and for our entertainment. • This is only going to grow - having an understanding of how these machines work and how to make them do what we need them to do is absolutely vital! |
| <p>What will I study in Computing Science?</p> | <ul style="list-style-type: none"> • In computing science you will learn how computers work by studying the hardware inside them and how different types of computers operate. You will also learn how to create programs that solve real world problems. You will also learn how to organise and use information in a range of ways using databases and web technologies. You will learn about how SMART devices learn by themselves to become more useful to humans. You will also learn about cyber security, studying issues such as malicious software, computer viruses, hacking / social engineering and you will learn how to protect computer systems from these threats. |
| <p>Wider benefits of studying Computing Science.</p> | <ul style="list-style-type: none"> • If you are the person who knows how to set up a router at home, if you can diagnose and fix the faults that we all get with our equipment and you can make simple programs that make others think you are magic then you become a very valuable person – at home, with your friends in school and importantly in your chosen career! Computing Science will develop your problem solving and logical thinking abilities, which will be very useful to you in other subjects, particularly STEM. |
| <p>Careers in Computing Science.</p> | <ul style="list-style-type: none"> • There are a very wide range of potential careers that stem directly from studying computing science: • Software Developer, Digital Forensics, IT Consultant, Web Designer, Web Developer, Games Developer, Ethical Hacking, IT Administrator, Data Analyst, Social Media Engineer, Multimedia Programmer, Systems Analyst, Artificial Intelligence Developer, App developer or Database Manager to name but a few. However, it is worth noting that an ability to code is a requirement in a huge range of courses / careers which may not seem obvious at first, eg Vet! Most scientists need to be able to code! |
| <p>Careers for which Computing Science may be beneficial</p> | <ul style="list-style-type: none"> • As you read above, computer technology is becoming so important to just about every industry in the world! It is often said that a lot of the jobs you will be applying for in a few years do not even exist yet, because the technology is still being developed! Whatever career you choose, Computer Science will be involved somewhere! |
| <p>Progression in Computing Science: In School</p> | <ul style="list-style-type: none"> • By the end of S4 you will have the opportunity to achieve a National 4 or National 5 in Computing Science • By the end of S5/6 you will have the opportunity to achieve a National 5 or Higher in Computing Science. |

TECHNOLOGY

Design & Manufacture


Broad General Education leading to National 4 and 5

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| <p>Why Study Design & Manufacture?</p>  | <ul style="list-style-type: none">• Design & Manufacture is an exciting creative and communication based course where you develop your design, graphics and modelling skills then use these to create products to effectively solve problems. |
| <p>What will I study in Design & Manufacture?</p> | <ul style="list-style-type: none">• The course combines practical creative skills; sketching, modelling, constructing, testing and evaluating; with active learning about design factors, materials and their properties, and manufacturing processes.• Over the course you will use these skills to design then model a range of products as you learn about:<ul style="list-style-type: none">• Materials• Manufacturing processes – school & commercial• Ergonomics• Aesthetics• Marketing• Environmental impact |
| <p>Careers using Design & Manufacture:</p> | <ul style="list-style-type: none">• Design & Manufacture qualifications can lead to a career in the following areas:<ul style="list-style-type: none">• Product and graphic design• Marketing• Architecture• Structural• Environmental studies• Alternatively, the creative and transferable problem solving skills developed in the subject may simply be used in any future career. |
| <p>Progression in Design & Manufacture</p> | <ul style="list-style-type: none">• In S4 you will be presented at National 5 or National 4 level.• Design & Manufacture is available beyond S4 at Higher and Advanced Higher Level. |

TECHNOLOGY

Engineering Science


Broad General Education leading to National 4 and 5

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| <p>Why Study Engineering Science?</p> | <ul style="list-style-type: none"> • Engineering Science is an exciting practical based subject which allows you to apply scientific principles and mathematical skills to solve real life problems. |
| <p>What will I study in Engineering Science?</p>  | <ul style="list-style-type: none"> • The course combines practical work; building circuits, writing computer control programs, testing software simulations; with the more traditional study of engineering theory. • Over the course you will develop your problem solving skills; analysing, researching, creating, calculating, testing and evaluation; whilst learning about: <ul style="list-style-type: none"> • Electrical circuits • Electronics • Pneumatics • Computer Programming • Energy • Mechanisms • Structures • Materials • Branches of Engineering • Environmental impact of engineering |
| <p>Careers using Engineering Science:</p> | <ul style="list-style-type: none"> • Engineering Science qualifications may lead to a future career in the following engineering branches: <ul style="list-style-type: none"> • Mechanical • Electrical • Electronic (including software) • Civil • Structural • Environmental <p>Alternatively, your engineering knowledge and ability to use science and mathematics to solve problems will be useful in most technical and scientific related careers.</p> |
| <p>Progression in Engineering Science</p> | <ul style="list-style-type: none"> • In S4 you will be presented at National 5 or National 4 level. • Engineering Science is available beyond S4 at Higher and Advanced Higher Level. |

TECHNOLOGY


Health & Food Technology

Broad General Education leading to National 4 and 5

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| <p>Why Study HFT?</p>  | <ul style="list-style-type: none"> HFT develops a host of essential skills needed to continue with HFT in education and within the world of work. The thinking skills developed in HFT will better help learners come confident and independent in their learning across the curriculum and will enable them to problem solve and think independently. |
| <p>What will I study in HFT?</p> | <ul style="list-style-type: none"> There are three key areas within the HFT course; Product Development, Food for Health and Contemporary Food Issues. We look at nutrition in relation to different ages and stages in life and apply this knowledge in practical food tasks to help enable learners to make healthier choices. Learners have the opportunity to go through the design process and create/evaluate new products based on market research they will carry out. Learners look at the science behind the functional properties of ingredients and carry out a range of food experiments. Learners will be introduced to a range of contemporary food issues and will discuss how these can affect consumer's food choice. |
| <p>Wider benefits of studying HFT?</p> | <ul style="list-style-type: none"> Skills developed within HFT: Confidence/independently/working/problem solving Self-motivation Communication skills Emotional well-being Physical well-being Making healthier food choices Team working skills Creativity Technology skills Practical food skills/using equipment |
| <p>Careers for which HFT may be beneficial:</p> | <ul style="list-style-type: none"> Primary/Secondary Teacher Chef Dietician New product developer Baker Manager restaurant/food production venue Environmental health officer Food Technologist |
| <p>Progression in HFT</p> <p>In School</p> <p>Beyond school</p> | <ul style="list-style-type: none"> In In school: Courses available at National 4, National 5, Higher and Advanced Higher Level. Detailed information and links to at courses available at www.planitplus.net/ |

Achieve (Prince's Trust)

Broad General Education leading to National 4 and 5

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| <p>Why Study Achieve?</p>  <p>Prince's Trust</p> | <ul style="list-style-type: none"> • The Achieve group supports young people in developing the skills and confidence needed to progress into a positive future. • Engage in learning that is relevant to them and support their development of personal skills and attributes that are essential for working life and employment. • Prepare themselves for progression into further education programmes and work based learning. • Develop their Numeracy and Literacy skills. |
| <p>What will I study in Achieve?</p> | <ul style="list-style-type: none"> • Problem solve in groups. • Develop their presentation skills • Take a lead role in the ECO work within Hyndland Secondary. • Have the opportunity to self-reflect and target set. • Participate in community based activities e.g. regeneration of Old Station Park. • Organise local charity initiatives. • Undertake aspects of the Bronze Duke of Edinburgh award scheme • Participate in the SRU Street rugby programme |
| <p>Wider benefits of studying Achieve?</p> | <ul style="list-style-type: none"> • It helps young people reengage with learning, improving their chances of succeeding at Hyndland Secondary School. • Increases confidence, self-esteem, social skills and behaviour. • It helps improve attendance and motivation. • It helps develop enterprise and employability skills |
| <p>Careers in Achieve:</p> | <ul style="list-style-type: none"> • The Achieve programme would be beneficial for a variety of careers that involve working with others, however it also gives young people the confidence to work individually and overcome challenges also. |
| <p>Careers for which Achieve may be beneficial:</p> | <ul style="list-style-type: none"> • A wide variety of jobs from across sectors would benefit from the Achieve programme. |
| <p>Progression in Achieve</p> <p>In School</p> | <p>In school:</p> <ul style="list-style-type: none"> • The Achieve programme is a two year course. On successfully completing the bronze Personal Development and Employability Skills Award in S3 the young people will have the opportunity to achieve silver and gold in S4. |

