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# PATHWAYS BOOKLET

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For pupils in S3 choosing their subjects in S4

*'Supporting you to be the best version of yourself'*

**2026-27**

## **S4 PATHWAYS: WHAT WILL I STUDY?**

- **All students will study English, Maths and Skills For Life (which consists of 1 period of RME/Learner Journey (there is a switch through the year), and 2 Periods of PE) so they do not appear on the sheet**
- **Please select your four choices and a reserve for study in 2024/25. All pupils study English and Maths so these do not appear on the form.**
- **Think carefully about your priorities – label from 1-4 and choose a reserve (R). We always work hard to ensure pupils achieve their choices, but we cannot guarantee them**
- **Your deadline is end of your Learner Journey period, week beginning February 2nd. Please don't hand them in early. If you miss the deadline, your choices will be considered last and you run a higher risk of not getting them.**
- **Remember, we can't change your choices until the new timetable comes out. We create your timetable round what YOU choose, so if you want to change, we can't guarantee this will happen.**
- **Choices are final until the new timetable is ready. No changes will be considered until then. You may not get the change you request.**

**We have also added some key terms that are important for you to understand.**

**N = National Level**

**H = Higher Level**

**AH = Advanced Higher Level**

**NPA = National Progression Award**

The following link should help explain the key terms and the progression of levels: <https://scqf.org.uk/about-the-framework/interactive-framework/>

## **What are the different levels of study?**

### **NPAs = National Progression Awards**

NPAs are available in a variety of sectors, from construction and childcare to areas such as Digital Literacy and Social Software. They are aimed at assessing a defined set of skills and knowledge in specialist vocational areas. These are available to study at various levels from 3-6 and sit within the SCQF framework.

### **National 4**

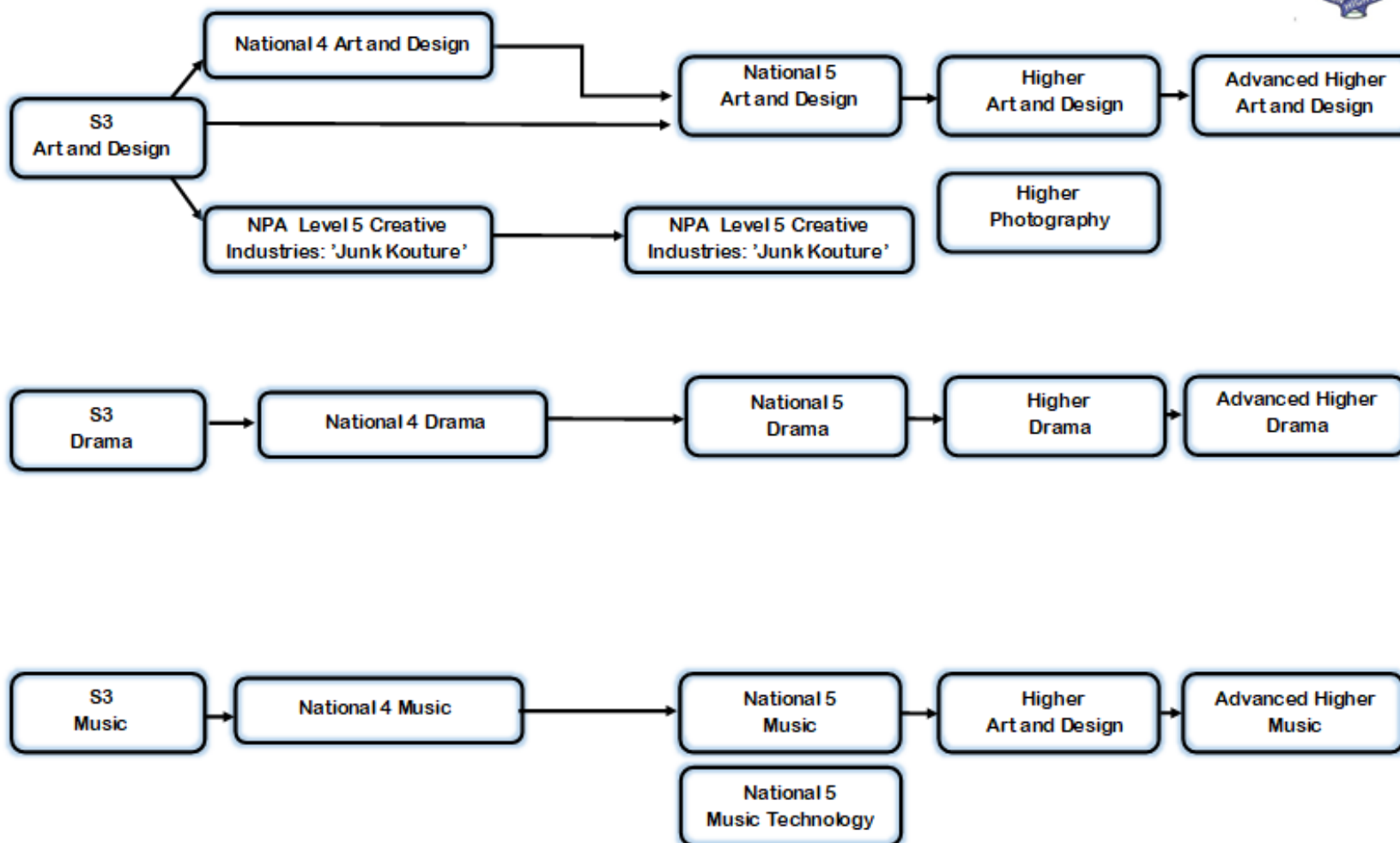
National 4 courses are made up of units, including an added value unit which assesses learner's performance across the course. The units are assessed pass or fail by a teacher/lecturer and learners need to pass units including the added value unit to achieve the qualification.

### **National 5**

These courses are assessed through an exam or coursework or both, most of which will be marked by the SQA. In some subjects the coursework is marked by a teacher/lecturer.

The courses are graded A to D or 'No Award'. These courses are the best option, in most cases, for progression to university and further study.

# SENIOR PHASE PATHWAYS EXPRESSIVE ARTS



<b>COURSE</b>	<b>Art and Design National 4/5</b>
<b>What will I cover?</b>	<p>The course aims to reflect the working methods of artists and designers. It involves individual study on the part of each student in gathering references and generating ideas for further consideration as well as the production of final works.</p> <p>The intention of the course is to develop students' creative abilities through a range of media and technology, and also to develop knowledge, understanding and appreciation of the work of artists and designers.</p> <p>The course is made up of two elements; expressive and design with each occupying half the available time.</p> <p><b>Expressive Activity</b> allows students the opportunity to develop skills by investigation, observation and analysis through drawing, photography and collecting visual information. Ideas, thoughts and feelings can then be explained visually leading to a final work in drawing, painting, sculpture or print-making. Alongside the practical work pupils will explore artists working in a related field and the factors and influences which affect their work.</p> <p><b>Design Activity</b> involves responding to a brief based on a real life need or request by investigating various ways of developing a solution to the problem set and then producing the most suitable outcome in one of many forms – graphics; ceramics; product design; textile printing; jewellery; packaging; fashion; interior design; illustration. Students follow a design process which combines creativity with function, from the initial brief to the finished product. Through the study of designers who work in a related area, pupils will examine the influences and impact of their designs and the role of the designer in society.</p>
<b>External Assessments</b>	<p>Course assessment consists of a folio of expressive and design work and a written exam paper based on the work of artists and designers.</p> <p>The breakdown of the course assessment is:  Expressive and Design practical folio 80%  Written exam (1 hr 30 mins) 20%</p>
<b>Homework</b>	Gathering research material, producing written assignments, developing a sketchbook for drawings and ideas – these can be expected as homework of 2 hours per week.
<b>Entry Requirements</b>	For entry to the National 5 course candidates should have studied S3 Art and Design
<b>Attainment</b>	National 4 or 5 Art & Design
<b>Progression</b>	<b>Higher Art and Design</b>
<b>Information from</b>	Ms MacBeth

<b>COURSE</b>	<b>Creative Industries NPA Level 5</b>
<b>Outline</b>	The Creative Industries Course provides an introduction to the creative industries in the UK. Learners will investigate a range of sectors and career opportunities in the creative industries before selecting a sector and job role of personal interest on which to focus. Learners will practise and develop specific practical skills, learn the key stages of a creative process and work as part of a team to plan and implement a creative project such as the 'Junk Kouture' competition.
<b>What will I cover?</b>	<p><b>Introduction Unit</b> This unit introduces pupils to different sectors of the creative industries and the career paths, job roles and responsibilities of those working within the industry. In this unit pupils will work on practical tasks such as gathering industry and career information, matching their career interests to job requirements and evaluating their personal employability skills for the creative industries.</p> <p><b>Skills Development Unit</b> The aim of this unit is to allow pupils the opportunity to practise and develop their craft and improve practical and employability skills associated with a chosen job role in the creative industries. Pupils will be required to set targets, plan and use a variety of approaches to develop their practical skills in a creative working environment.</p> <p><b>The Creative Process Unit</b> This unit will provide pupils with an understanding of the key stages of a creative process. Pupils will be given a brief to interpret and they will contribute their own creative ideas to an overall team response. Pupils will be encouraged through discussion to explore different solutions to the given brief. They will work collaboratively to prepare and present a team response to the given brief. At this stage, pupils will have the opportunity to evaluate the team response to the brief. <b>Creative Project Unit</b> This unit is based on primarily practical exploration carried out in a creative context. Pupils will work as part of a team throughout the planning and implementation of a creative project to a given brief. This unit will give pupils the opportunity to develop their creativity alongside developing key employability skills such as working with others and problem solving.</p>
<b>Skills</b>	<ul style="list-style-type: none"> <li>☑ working independently and with others</li> <li>☑ planning, researching and organising skills</li> <li>☑ decision making, problem solving and working to deadlines</li> <li>☑ work ethos, punctuality and reliability</li> <li>☑ using ICT and other creative digital media</li> </ul>
<b>Attainment</b>	NPA Level 5 Creative Industries
<b>Information from</b>	Ms MacBeth

<b>COURSE</b>	<b>Drama National 4/5</b>
<b>What will I cover?</b>	<p>The Course provides opportunities for learners to be inspired and challenged by exploring dramatic ideas in creating and appreciating drama. It is practical and focuses on the development of performance skills, using theatre arts and technologies to create drama.</p> <p><b>The Course has 2 mandatory units:</b></p> <p><b>Drama Skills</b> This Unit helps learners explore and develop dramatic techniques and ways of communicating ideas to an audience. They will learn how to respond to text, stimulus and context. They will also learn how to interpret role and character.</p> <p><b>Production Skills</b> This Unit helps learners to investigate theatre arts, production and technologies and learn how to apply problem solving skills in order to create and design basic production concepts. They will create and present drama and learn how to appreciate stage and performance styles, considering social and cultural influences.</p>
<b>Assessment</b>	Learners must pass all of the required units. In addition, there is an external exam paper worth 60% and a practical performance worth 40% of the overall marks.
<b>Homework</b>	Homework will vary depending on the units being covered. There is an expectation that students will go over their class work regularly to consolidate learning. Preparation for assessments will also form part of the homework for the course. Homework activities will last between 30 and 60 minutes each week.
<b>Entry Requirements</b>	Drama studied in S3
<b>Attainment</b>	National 4 or 5 Drama
<b>Progression</b>	<b>Higher Drama</b>
<b>Information from</b>	Ms MacBeth

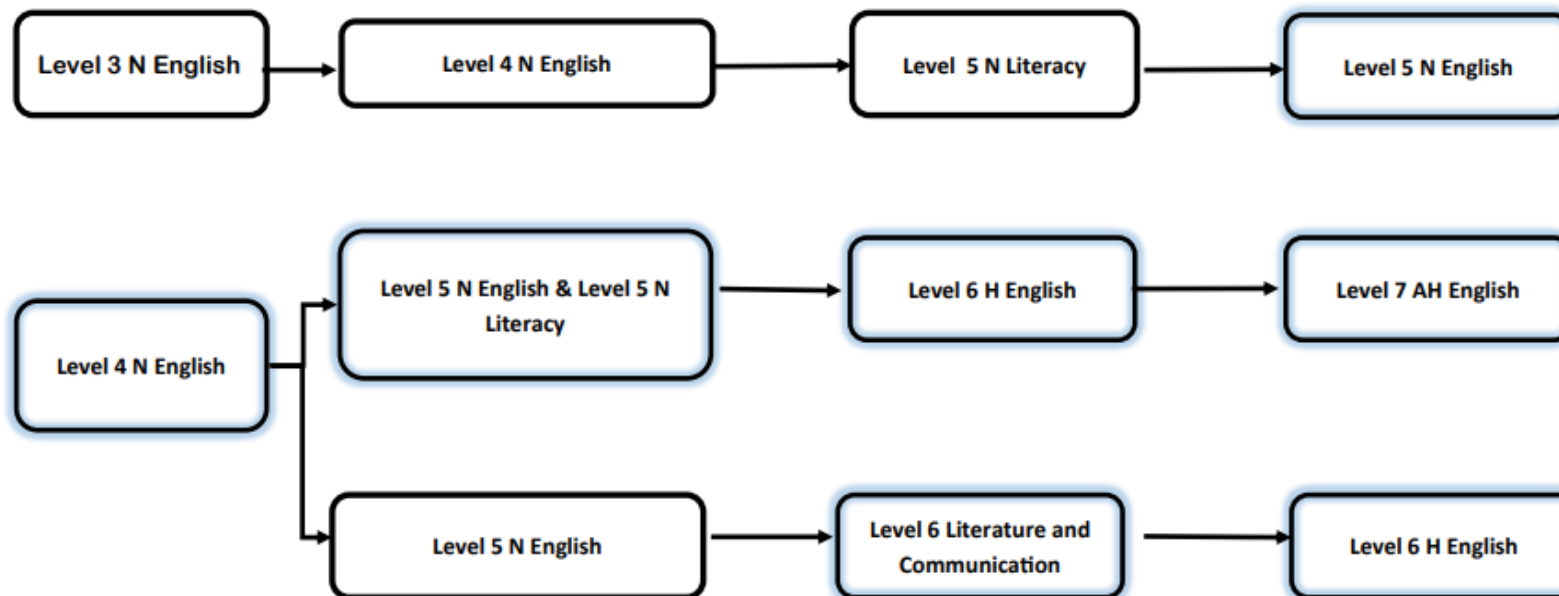
<b>COURSE</b>	<b>Music National 4/5</b>
<b>What will I cover?</b>	<p>Music: Composing Skills – learners will develop a range of skills in composing, arranging or improvising in order to create their own original music.</p> <p>Understanding Music – learners will develop a knowledge and understanding of music, a range of music concepts and musical literacy.</p> <p>Music: Performing Skills – through regular practice/rehearsal and reflection, learners will develop a range of technical and musical performing skills on their chosen instrument(s)/voice while exploring a variety of music.</p>
<b>Assessment</b>	Learners must pass all the required units. 50% for performing (25% each instrument), 35% for understanding music and 15% for the composition/assignment which is externally marked.
<b>Homework</b>	Homework activities should be about 60 minutes each week, incorporating home practice.
<b>Entry Requirements</b>	Music studied in S3
<b>Attainment</b>	National 4 or 5 Music
<b>Progression</b>	<b>Higher Music</b>
<b>Information from</b>	Ms MacBeth

<b>COURSE</b>	<b>Music Technology: National 4/5</b>
<b>What will I cover?</b>	<p>Music Technology is another name for Sound Engineering or Sound Production. It is clear that the ability to use technology to support your work is a skill that is highly desired by employers. This course is for anyone who enjoys using technology in creative and exciting ways. You do not need to be able to play an instrument to be successful in this course.</p> <p><b>Skills development:</b> The course will start with a skills development unit. This will involve getting to know the hardware and software used in the music department to capture and manipulate audio.</p> <p><b>Project work:</b> Most of the time during the course students will spend working on their own individual projects. Students are required to plan, implement and evaluate two sound productions. Examples of a brief for a sound production project would include: Making a podcast or radio show, recording an audio book, making a multi-track recording, adding a soundtrack to a short film.</p> <p><b>Listening to music:</b> Students should expect one period of listening to music per week. This unit helps students identify musical concepts and recording techniques from 20th and 21st century music. It also allows learners to gain a broader understanding of the music industry.</p>
<b>Assessment</b>	Assignment 70%. The two projects are externally assessed. These projects should show you applying the technological skills, musical skills and knowledge that you have developed throughout the course to plan, implement and evaluate two sound productions. Listening paper 30% This will be a listening paper where you will comment on musical excerpts and identify musical concepts.
<b>Homework</b>	It is expected that listening assessment revision takes place outside of class. Many students will benefit from making recordings out with class time depending on nature of their project work and the sounds you would like to include. Expect around 60 minutes per week.
<b>Entry Requirements</b>	Music studied in S3 A keen interest in music technology and by negotiation with the music department.
<b>Attainment</b>	<b>National 4 or National 5 Music Technology</b>
<b>Information from</b>	Mr Haywood

# SENIOR PHASE PATHWAYS ENGLISH

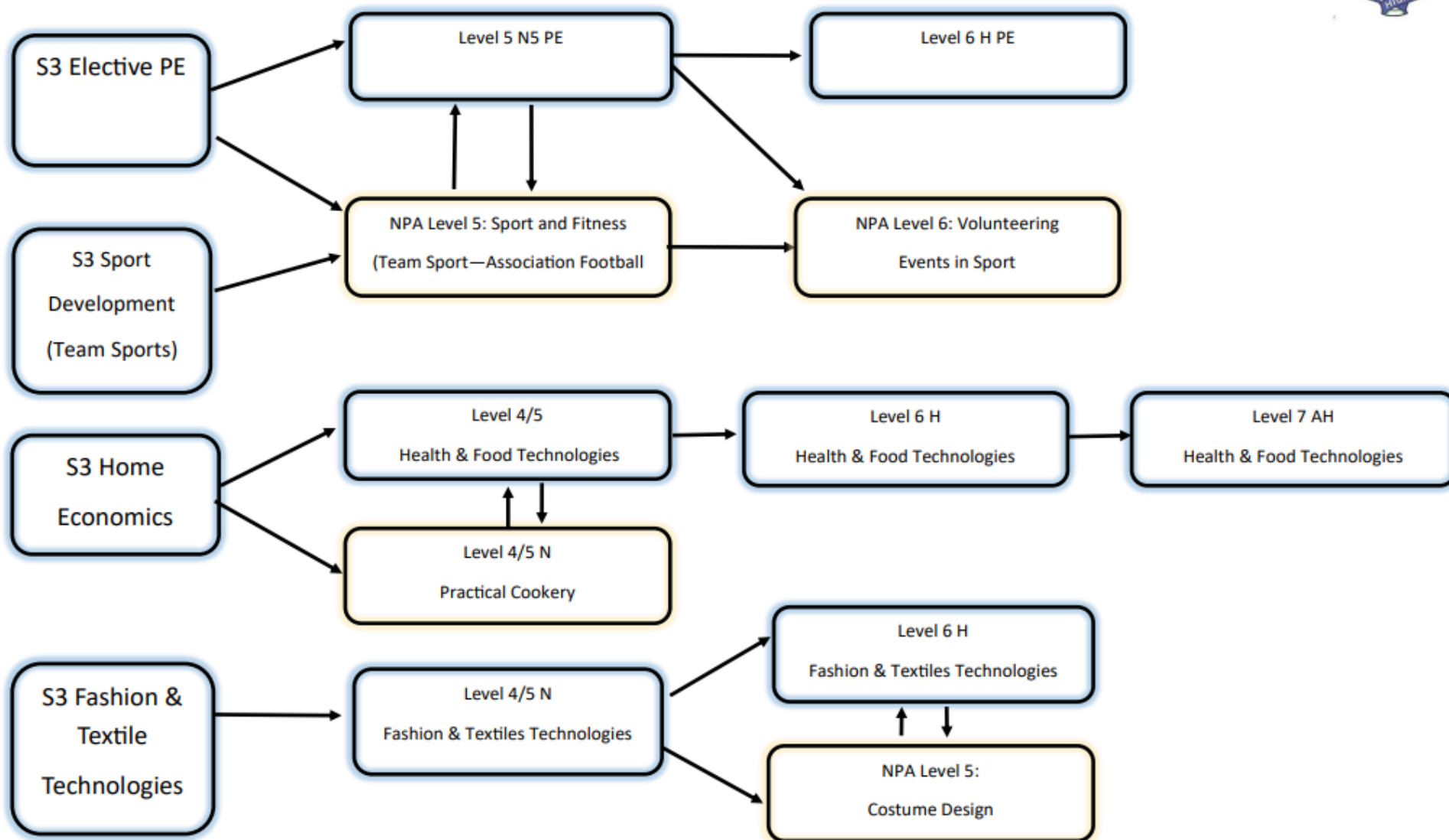


S3



<b>COURSE</b>	<b>English National 4/5</b>
<b>What will I cover?</b>	The English National 5 course aims to develop the ability of all young people to use and understand language effectively, independently and with confidence. There is an emphasis on the essential language skills associated with literacy and communication. The course includes the following mandatory assessments:
<b>Assessment</b>	<p><b>INTERNAL ASSESSMENTS</b></p> <p><b>Performance – Spoken Language.</b> The purpose of the Performance – Spoken Language internal assessment is to provide evidence of talking and listening skills. This unit is assessed on a Pass/Fail basis. In this assessment candidates will: take part in a group discussion, or discussion-based activity, to which they contribute relevant ideas, opinions, or information, using detailed language. Candidates must take account of the contributions of others and stay focused on the topic or task.</p> <p><b>EXTERNAL ASSESSMENTS</b></p> <p><b>FOLIO – 30%:</b> Over the course of the year, learners will produce a portfolio of writing focusing on producing broadly creative and broadly discursive pieces: pupils will select one piece of portfolio writing for final submission (15 marks). This is due for submission to the SQA at the end of February.</p> <p><b>EXAM – 70%</b></p> <p><b>Paper 1 Reading for Understanding, Analysis and Evaluation</b> (30 marks): Questions on a detailed non-fiction text will require learners to demonstrate their understanding, analysis and evaluation skills.</p> <p><b>Paper 2 Critical Reading</b> (This paper has two Sections, each worth 20 marks)</p> <p><b>Section A: Critical Essay.</b> Learners will answer one question and will respond by writing an essay on a previously studied text.</p> <p><b>Section B: Scottish Texts.</b> Questions on an extract from a previously studied Scottish text will be answered by learners.</p>
<b>Homework</b>	Pupils can expect an hour of English homework per week. This will allow personalised opportunities to independently consolidate Reading and Writing skills.
<b>Attainment</b>	<b>National 4 or National 5 English and National 5 Literacy</b>
<b>Entry Requirements</b>	Level 4 in the Broad General Education or National 4 English
<b>Progression</b>	<b>Literature and Communication Level 6 or Higher English</b>
<b>Information from</b>	Ms McDougal or Mr Mitchell

# SENIOR PHASE PATHWAYS HEALTH & WELLBEING



<b>COURSE</b>	<b>Health &amp; Food Technology National 4/5</b>
<b>What will I cover?</b>	<p>We focus on health and the nutritional properties of food as well as developing safe, hygienic and informed practices in food preparation. It raises learners' awareness of the importance of a balanced diet and healthy lifestyle. The course also develops learners' knowledge and skills so they can become informed consumers.</p> <p>There are 3 main units:</p> <p><b>Health and Food Technology: Food for Health</b> This unit develops basic knowledge of health, nutrition, dietary needs and advice, as well as lifestyle choices and their impact on health.</p> <p><b>Health and Food Technology: Food Product Development</b> This unit allows learners to participate in practical activities that demonstrate the functional properties of food and its uses.</p> <p><b>Health and Food Technology: Contemporary Food Issues</b> This unit allows learners to participate in activities to develop an awareness of current factors affecting food, lifestyle and wider consumer choices.</p>
<b>Assessment</b>	<p>Pupils will be assessed through a combination of an assignment and a question paper. This question paper will give learners an opportunity to demonstrate the following knowledge, understanding and skills:</p> <ul style="list-style-type: none"> <li>• Evaluating the relationship between health, food and nutrition</li> <li>• Understanding the practical application of the functional properties of food</li> <li>• Analysing a range of contemporary issues influencing food choice</li> </ul>
<b>Homework</b>	<p>Homework is integral to the course, and pupils will be given a variety of tasks. Pupils should expect to spend, on average, one hour per week on Health and Food Technology. In addition, pupils will be expected to revise work and regularly practice cooking dishes of increasing complexity at home.</p>
<b>Attainment</b>	<b>National 4 or 5 Health &amp; Food Technology</b>
<b>Entry Requirements</b>	<p>Studied S3 Health and Food Technology By negotiation with the department</p>
<b>Progression</b>	<b>Higher Health and Food Technologies</b>
<b>Information from</b>	Mr Patterson

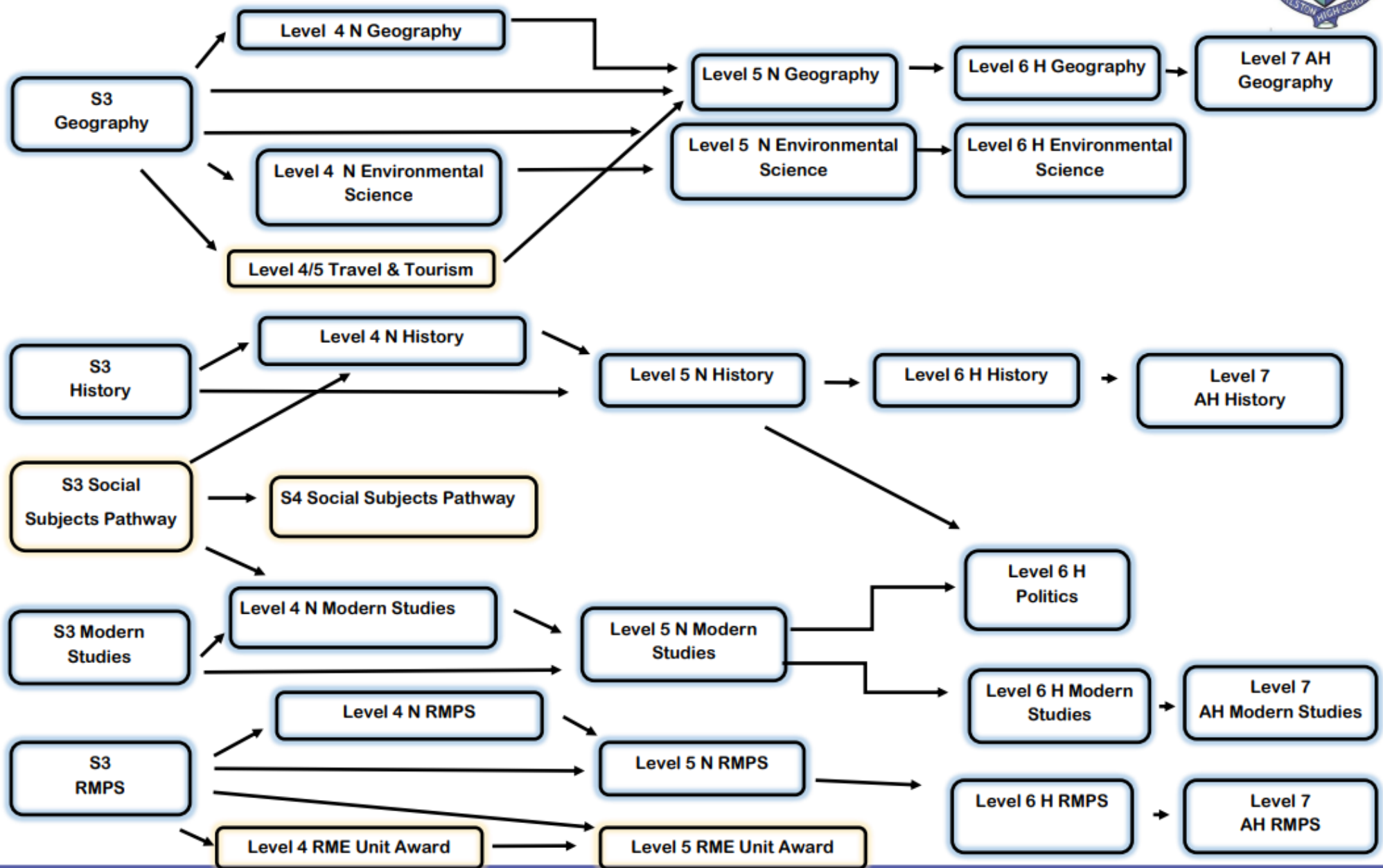
<b>COURSE</b>	<b>Fashion &amp; Textiles Technology National 4/5</b>
<b>What will I cover?</b>	<p>This is a practical course and aims to provide the development of techniques and skills required for textile production, retail and the fashion industry. The aims of the course are to enable learners to develop:</p> <ul style="list-style-type: none"> <li>• A range of practical skills and textile construction techniques to plan and make fashion/textile items.</li> <li>• Knowledge and understanding of textile properties and characteristics.</li> <li>• Understanding a range of factors that influence fashion/textile choices.</li> <li>• The ability to set up, adjust and use relevant tools and equipment safely</li> <li>• Investigation and evaluation skills.</li> </ul> <p>Lessons will be of a practical nature, building organisational techniques and complex sewing skills. You will have to complete a detailed plan, produce, and evaluate fashion/textile items in depth. You will learn about textile characteristics and properties, factors that affect fashion choices.</p>
<b>Assessment</b>	<p><b>Internal Assessment is based on:</b></p> <ul style="list-style-type: none"> <li>• N4 Added Value Unit (<b>pass/fail</b>)</li> <li>• <b>N5 textile item as part of a technological assignment. (50 marks)</b></li> </ul> <p><b>External Assessment is based on:</b></p> <ul style="list-style-type: none"> <li>• N5 written technological assignment (<b>50 marks</b>)</li> <li>• N5 question paper, which requires learners to apply breadth and depth of skills, knowledge and understanding from across the Course to answer questions in fashion</li> <li>• &amp; textiles. (<b>30 marks - 1 hour</b>)</li> </ul>
<b>Homework</b>	Pupils will be given a variety of tasks throughout the course. Pupils should expect to spend, on average, one hour per week on Fashion & Textiles homework tasks. In addition, pupils will be expected to revise work using course notes and past papers.
<b>Attainment</b>	<b>National 4 or 5 Fashion &amp; Textiles Technology</b>
<b>Entry Requirements</b>	S3 Fashion & Textile Technology By negotiation with department
<b>Progression</b>	<b>NPA Costume Design, Fashion &amp; Textile Technology Higher</b>
<b>Information from</b>	Mr Patterson

<b>COURSE</b>	<b>PE National 4/5</b>
<b>What will I cover?</b>	<p>National 5 PE explores aspects around the cycle of analysis. This is where pupils investigate their performance and explore how to improve it.</p> <p>Pupils will experience this process through an intense 6-week training programme to improve Fitness and Communication as well as analysing each stage in classroom-based lessons.</p> <p>Pupils will experience at least 2 practical and 2 classroom-based lessons a week.</p>
<b>Assessment</b>	<p>This course is assessed in 2 parts. 50% of the final grade are awarded through the grading of 2 practical performances. The other 50% is assessed through a portfolio. This is ongoing throughout the year and draws on knowledge gained in classroom lessons.</p> <p>Practical performances will be based on 2 activities that are curriculum based and are able to be assessed at EHS.</p>
<b>Homework</b>	Pupils need to ensure their course work is up to date.
<b>Attainment</b>	<b>National 4/ 5 PE</b>
<b>Entry Requirements</b>	<p>S3 PE (Elective)</p> <p>By negotiation with department</p>
<b>Progression</b>	<p><b>Higher PE</b></p> <p><b>NPA Level 5: Team Sports (Association Football)</b></p> <p><b>NPA Level 6: Volunteering Events in Sport</b></p>
<b>Information from</b>	Mr Patterson

<b>COURSE</b>	<b>Practical Cookery National 4</b>
<b>What will I cover?</b>	<p><b><u>Course Overview</u></b></p> <p>This Course aims to develop learners' life skills and enhance their personal effectiveness in terms of cookery and to provide a set of skills for those who wish to progress to further study in the hospitality context. In preparing learners for life, the course anticipates their future needs in that it enables them to learn how to prepare and cook food for themselves and others. It also develops their organisational skills, which have an application in a variety of contexts.</p> <p><b><u>The following three units will be covered throughout the course of the academic year:</u></b></p> <p>Unit 1 – Cookery Skills, Techniques &amp; Processes (National 4)  Unit 2 – Understanding &amp; Using Ingredients (National 4)  Unit 3 – Organisational Skills for Cooking (National 4)  Added Value Unit: Producing a Meal (National 4)</p> <p><b><u>By the end of the course pupils will be able to:</u></b></p> <ul style="list-style-type: none"> <li>• use a range of cookery skills food preparation techniques and cookery processes when following recipes</li> <li>• select and use ingredients to produce and garnish or decorate dishes</li> <li>• develop an understanding of ingredients and their uses and an awareness of responsible sourcing</li> <li>• develop an awareness of current dietary advice relating to the use of ingredients</li> <li>• work safely and hygienically</li> </ul>
<b>Assessment</b>	<p>To achieve the National 4 Practical Cookery Course, learners must pass all of the required Units, including the Added Value Unit. The required Units are shown in the Course outline section. National 4 Courses are not graded. They can be assessed on an individual Unit basis or by using other approaches which combine the assessment for more than one Unit. They will be assessed on a pass/fail basis within centres.</p>
<b>Homework</b>	It is expected that for assessments revision takes place outside of class. This will be around 30 mins per week.
<b>Attainment</b>	<b>Practical Cookery National 4</b>
<b>Entry Requirements</b>	<ul style="list-style-type: none"> <li>• National 3 Practical Cookery Course or relevant component Units</li> <li>• National 3 Health and Food Technology Course or relevant component Units</li> <li>• Studied Health &amp; Food Technology in S3</li> </ul>
<b>Progression</b>	Further study or qualifications in Hospitality/related areas, employment or training. Here is the link to explore some of the jobs within this sector: <a href="https://nationalcareers.service.gov.uk/job-categories/hospitality-and-food">https://nationalcareers.service.gov.uk/job-categories/hospitality-and-food</a>
<b>Information from</b>	Mr Patterson

<b>COURSE</b>	<b>NPA Level 5: Team Sport (Association Football)</b>
<b>What will I cover?</b>	<p>This course is fully delivered through football.</p> <p>Unit 1 – Participation &amp; Performance</p> <p>Unit 2 – Sports Officiating and Organising</p> <p>Unit 3 – Sports Coaching Development</p>
<b>Assessment</b>	<p>There are three units available which must be completed to achieve the NPA. For some of the units, teamwork will be involved, but all candidates must play a full part as it is the work/contribution of everyone that will be assessed. The units are designed to underpin the knowledge and skills required by employers and are closely linked to the National Occupational Standards for each of the subject areas covered in the units. Units are as follows:</p> <ul style="list-style-type: none"> <li>• Participation and Performance</li> <li>• Sports Officiating &amp; Organisation</li> <li>• Sports Coaching Development</li> </ul>
<b>Homework</b>	Pupils need to ensure their course work is up to date.
<b>Attainment</b>	<b>NPA Level 5: Team Sports (Association Football)</b>
<b>Entry Requirements</b>	<p>S3 Sport Development (Team Sports)</p> <p>By negotiation with department</p>
<b>Progression</b>	<p><b>National 5 PE</b></p> <p><b>NPA Level 6: Volunteering Events in Sport</b></p>
<b>Information from</b>	Mr Patterson

# SENIOR PHASE PATHWAYS HUMANITIES



<b>COURSE</b>	<b>Geography National 4/5</b>
<b>What will I cover?</b>	<p>Geography encourages learners to develop important attitudes including an open mind, respect for the values, beliefs and cultures of others and a sense of responsibility and global citizenship. It aims to develop learners' understanding of our changing world and its human and physical process at a local, national and international level. Practical activities such as fieldwork are encouraged so that learners can interact with their environment.</p> <p>Topics will include:</p> <p><b>Physical Environments</b> Limestone Landscapes; River Landscapes; Weather; Land Use types and conflict between them (e.g. recreation and tourism, renewable energy).</p> <p><b>Human Environments</b> The differences between More and Less Developed Countries including Population, Cities and Shanty Towns and Rural Landscapes (including agriculture).</p> <p><b>Global Issues</b> Two global issues will be studied. These are:</p> <ul style="list-style-type: none"> <li>•Tourism – a look at mass and eco-tourism including causes, impacts and management strategies.</li> <li>•Health – a look at a selection of world diseases including AIDS, Heart Disease and Malaria and strategies adopted to manage these.</li> </ul> <p>Skills developed will include mapping, research, fieldwork and the extraction, interpretation and presentation of graphical information.</p>
<b>Assessment</b>	<p>There is research-based course assignment based on local area fieldwork which will be written up in school time – 20% of the final grade</p> <p>There is a final exam set by the SQA which lasts 2 hours 20 minutes</p>
<b>Homework</b>	Regular homework will be given. This may take the form of written tasks, ICT and research, further reading and revision.
<b>Attainment</b>	National 4 or National 5 Geography
<b>Entry Requirements</b>	<p>Having studied S3 Geography or National 4 or 5 in any other Humanities subject</p> <p>By negotiation with the department</p>
<b>Progression</b>	<p>Higher Geography</p> <p>Higher Environmental Science</p> <p>National 4 or 5 Travel &amp; Tourism</p>
<b>Information from</b>	Mrs Grant

<b>COURSE</b>	<b>History National 4/5</b>
<b>What will I cover?</b>	<p>The course consists of three units:</p> <p>Unit 1 – The Era of the Great War 1910-1928 A study of the experiences of Scots in The Great War and its impact on life in Scotland.</p> <p>Unit 2 – Changing Britain 1760-1914 A topic examining the social, economic and political developments that transformed life across Britain between 1760 and 1900 including the birth of the railway system and life in the coal mines.</p> <p>Unit 3 – Hitler and Nazi Germany 1919-1939 A study of the rise to power of Hitler and The Nazis and how it impacted on aspects of German life 1919-1939.</p>
<b>Assessment</b>	<p><b>Internal Assessment</b> We will prepare for the exam with an assessment on each topic.</p> <p><b>External assessment</b> An 80 mark, 2 hour 20 minute exam paper testing knowledge and skills. An added value essay written up in exam conditions in 1 hour. This is out of 20 marks and makes up 20% of the overall award.</p>
<b>Homework</b>	Homework will be issued on a regular basis. Homework should last about an hour per week and may include specific activities, completion of classwork, consolidation of learning and revision.
<b>Attainment</b>	National 4 or 5 History
<b>Entry Requirements</b>	Having studied S3 History or National 4 or 5 in any other Humanities subject By negotiation with the department
<b>Progression</b>	Higher History National 4 or 5 Travel & Tourism
<b>Information from</b>	Mrs Grant

<b>COURSE</b>	<b>Modern Studies National 4/5</b>
<b>What will I cover?</b>	<p>The Course has 3 mandatory units:</p> <p><b>Democracy in Scotland and the United Kingdom</b> Learners will develop a straightforward knowledge and understanding of democracy in Scotland. They will develop knowledge and understanding of the UK political structure including the place of Scotland within this and the debates around this arrangement.</p> <p><b>Social Issues in the United Kingdom</b> Learners will develop knowledge and understanding of social issues in the United Kingdom, through studying the topic of Crime and the Law.</p> <p><b>Contemporary International Issue- USA as a World Power</b> The study of a significant world power will focus on contemporary socio-economic issues and a study of its political system. The world power we use to undertake this task is the USA.</p>
<b>Assessment</b>	<p><b>Internal Assessment</b> We will prepare for the exam with 2 assessments on each topic.</p> <p><b>External assessment</b> An 80-mark, 2-hour 20-minute exam paper testing knowledge and skills. An added value essay written up in exam conditions in 1 hour. This is out of 20 marks and makes up 20% of the overall award.</p>
<b>Homework</b>	Homework will be issued on a regular basis and pupils are urged to regularly view topical programmes and read quality newspapers. Homework should last about an hour per week and may include specific activities, completion of classwork, consolidation of learning and revision.
<b>Attainment</b>	<b>National 4 or 5 Modern Studies</b>
<b>Entry Requirements</b>	Having studied S3 Modern Studies
<b>Progression</b>	<p><b>Higher Modern Studies</b> <b>Higher Politics</b> <b>National 4 or 5 Travel &amp; Tourism</b></p>
<b>Information from</b>	Mrs Grant

<b>COURSE</b>	<b>Religious Moral and Philosophical Studies National 4/5</b>
<b>What will I cover?</b>	<p>The Course has 3 mandatory units:</p> <p><b>World Religion: Islam</b>  How does a Muslim practise their faith? Building on what they have learned in S3 about beliefs students will look at how Muslim beliefs impact on the lives of those who follow Islam. To enhance pupil experience there will be the opportunity to visit the Edinburgh Central Mosque.</p> <p><b>Morality and Belief: Global Issues</b>  Pupils will be looking at poverty, what creates poverty and how organisations are trying to solve the problem of poverty. In this unit we will look at poverty on an international level looking at trade, aid and governmental attitudes. We will be inviting speakers in from a range of perspectives to allow students the chance to deepen their understanding of the debate surrounding global issues.</p> <p><b>Religious and Philosophical Question: Evil and Suffering:</b>  At N5 students will be looking at Freewill, what is freewill and how does it impact upon suffering on the world. We will also be exploring whether or not we do in fact have freewill or are we just predetermined to act they way we do.</p>
<b>Assessment</b>	Pupils are graded out of 100 marks. Pupils will sit a 2 hour 20 minute exam worth 80 marks covering work from the three mandatory units. The remaining 20 marks will come from the assignment.
<b>Homework</b>	Homework will be issued on a regular basis. Homework should last about an hour per week and may include specific activities, completion of classwork, consolidation of learning and revision.
<b>Attainment</b>	National 4 or 5 RMPS
<b>Entry Requirements</b>	Having studied S3 RMPS or National 4 or 5 in any other Humanities subject By negotiation with the department
<b>Progression</b>	Higher RMPS National 4 or 5 Travel & Tourism
<b>Information from</b>	Mrs Grant

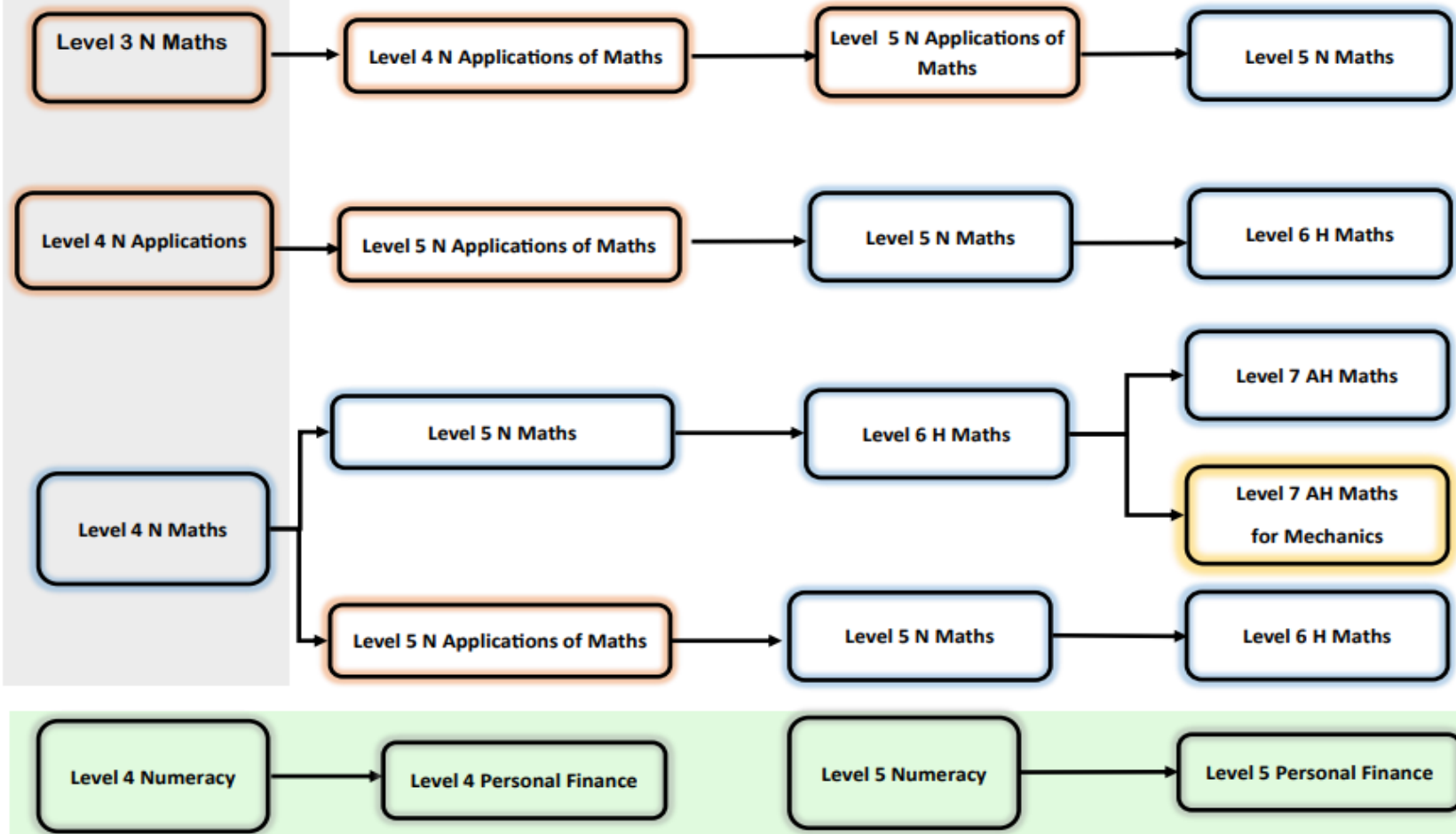
<b>COURSE</b>	<b>S4 Social Subjects Pathway N4</b>
<b>What will I cover?</b>	<p>In the Level 4 Social Subjects Pathway students will develop a knowledge and understanding of the world by learning about key historical events affecting people in the past, as well as developing as global citizens by learning about key contemporary issues in the modern world.</p> <ul style="list-style-type: none"> <li>• A World Issue – What happened in Nazi Germany?</li> <li>• A British Issue – How people got the vote?</li> <li>• A Scottish Issue – Impact of WWI on Scotland</li> <li>• A contemporary international issue- Terrorism in the 21<sup>st</sup> century</li> <li>• A contemporary social issue – An introduction to Crime and the Law in the UK</li> <li>• A contemporary political issue – Democracy in Scotland</li> </ul> <p>Depending on staffing there may be a section on Geography. This would look at different features of the landscape, differences between more and less developed countries and a global issue.</p>
<b>Assessment</b>	Pupils will be internally assessed across the 2 National 4 subjects. They will have to pass 3 Unit assessments in each subject and an Added Value project.
<b>Homework</b>	Homework will be issued on a regular basis. Homework should last about an hour per week and may include specific activities, completion of classwork and revision.
<b>Attainment</b>	2 x National 4 Awards (In Geography, History, Modern Studies or RMPS dependant on staffing)
<b>Entry Requirements</b>	<p>Having studied a Humanities subject in S3</p> <p>S3 Social Subjects Pathway</p> <p>By negotiation with the department</p>
<b>Progression</b>	<p>National 5 History</p> <p>National 5 Modern Studies</p> <p>National 5 Geography</p> <p>National 4 or 5 Travel &amp; Tourism</p>
<b>Information from</b>	Mrs Grant

<b>COURSE</b>	<b>Travel &amp; Tourism National 4/5</b>
<b>What will I cover?</b>	<p>Although this course has a focus on the Travel and Tourism industry, it also allows learners to develop a range of skills which will benefit them in the world of work in general. There is an emphasis on an understanding of the workplace and enhancing positive skills and attitudes for employability. Learning takes place through simulated workplace settings, role play activities in a vocational context, case study work, practical tasks and assignments.</p> <p>The course is divided into 4 units:</p> <p><b>Employability</b> Learners will develop the necessary skills to become effective employees in the industry, identifying the qualities identified by employees. This Unit will introduce different functions of organisations and employment opportunities.</p> <p><b>Customer Service</b> Learners will develop skills and knowledge to meet the needs of customers and develop their communication skills.</p> <p><b>Scotland</b> This focuses on tourist destinations in Scotland and investigates the positive and negative impact of tourism.</p> <p><b>UK and Worldwide</b> This investigates tourist destinations in the UK, the rest of Europe and long haul. You will learn about trends and different destinations. You will also learn the skills to effectively plan the transport, accommodation and activities for a holiday to cater for a variety of customer needs.</p>
<b>Assessment</b>	There is no exam at the end of this course for National 4 or 5. You will be assessed throughout the year to gather evidence and work will be marked as a pass/fail. You must successfully complete each unit to achieve the course award.
<b>Attainment</b>	National 4 or 5 Travel & Tourism
<b>Entry Requirements</b>	<p>Having studied a Humanities subject in S3. Level 4 or 5 in a Humanities subject (History, Geography, Modern Studies or RMPS) or equivalent.</p> <p>By negotiation with the department</p>
<b>Progression</b>	National 4 or 5 in another Humanities subject
<b>Information from</b>	Mrs Grant



# SENIOR PHASE PATHWAYS MATHEMATICS

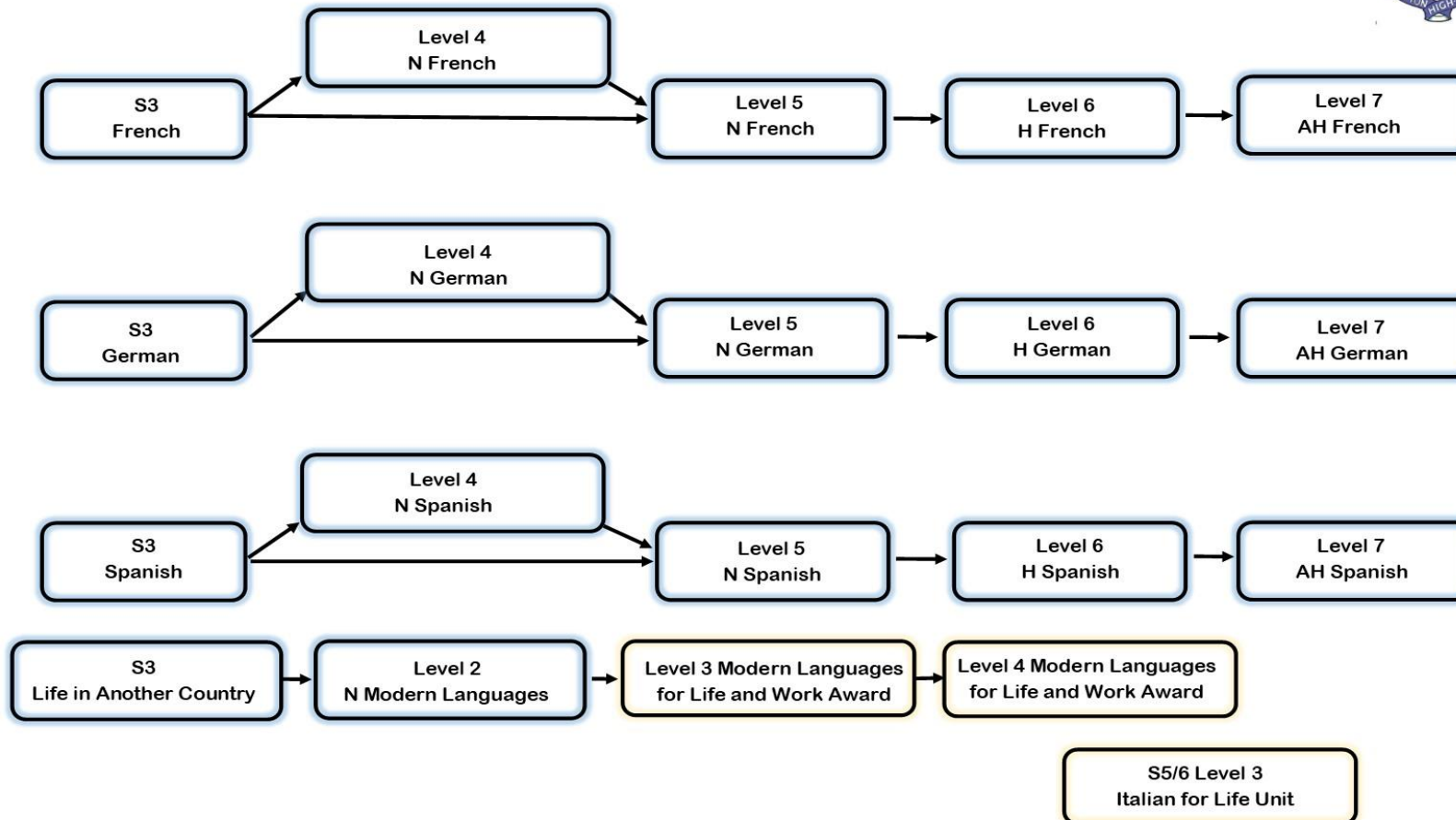
S3



<b>COURSE</b>	<b>Mathematics National 5</b>
<b>What will I cover?</b>	<p>Throughout this course, candidates acquire and apply operational skills necessary for developing mathematical ideas through symbolic representation and diagrams. They select and apply mathematical techniques and develop their understanding of the interdependencies within mathematics. Candidates develop mathematical reasoning skills and gain experience in making informed decisions.</p> <p>Students will study the following units: Expressions and Formulae, Relationships and Applications.</p> <p>Topics covered: Factorising and simplifying, area and volume, straight lines, vectors, statistics, quadratics, equations and inequations, further trigonometry, similarity, surds and indices.</p>
<b>Assessment</b>	There is an external examination covering all three units at the end of the course.
<b>Homework</b>	Students should expect homework after each lesson and at the end of each learning outcome.
<b>Attainment</b>	Maths National 5
<b>Entry Requirements</b>	Having achieved National 4 Maths in S3
<b>Progression</b>	Higher Mathematics
<b>Information from</b>	Mr Shaw

<b>COURSE</b>	<b>Computing National 4/5</b>
<b>What will I cover?</b>	<p>In National 4 we will be:</p> <ul style="list-style-type: none"> <li>• Applying aspects of computational thinking across a range of contexts</li> <li>• analysing problems within computing science across a range of contemporary contexts designing, implementing and testing, with guidance, digital solutions (including computer programs) to problems across a range of contemporary contexts</li> <li>• developing skills in computer programming and the ability to communicate how a program works by being able to read and interpret code</li> <li>• communicating basic understanding of key concepts related to software design and development and information system design and development clearly and concisely, using appropriate terminology</li> <li>• knowledge of the impact of contemporary software-based applications on the environment or society</li> </ul> <p>In National 5 you will learn:</p> <ul style="list-style-type: none"> <li>• Software design and development</li> <li>• Computer systems</li> <li>• Database design and development</li> <li>• Web design and development</li> </ul>
<b>Assessment</b>	There are internal assessments for those completing National 4 while in those in National 5 will sit an external exam.
<b>Attainment</b>	National 4 or National 5 in Computing Science
<b>Entry Requirements</b>	National 3 Numeracy is required
<b>Progression</b>	Higher Computing
<b>Information from</b>	Mr Shaw

# SENIOR PHASE PATHWAYS LANGUAGES



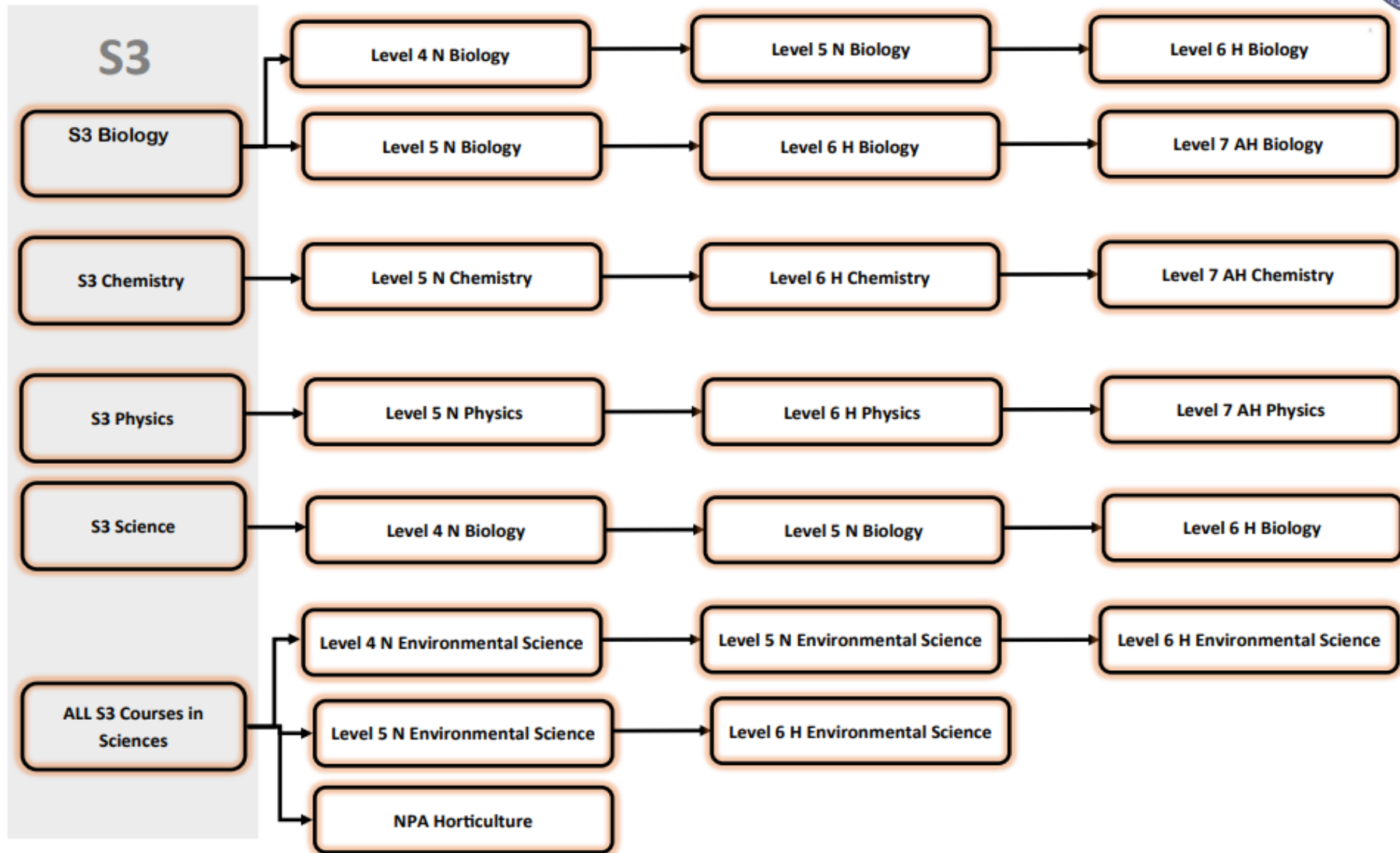
<b>COURSE</b>	<b>French National 4/5</b>												
<b>What will I cover?</b>	This course will provide you with the opportunity to develop your reading, listening, writing and talking skills in French through the contexts of society, learning, employability and culture. You will develop a deeper understanding of the language in practical and relevant contexts, improve your communication skills and explore the life, culture, traditions and customs in some French speaking countries.												
<b>Assessment</b>	<p>National 4</p> <p>To pass National 4 French you must pass assessments in each of the four skills of reading, listening, writing and talking. You must also complete an Added Value Unit. There is no external exam for National 4 French.</p> <p>National 5</p> <table border="0"> <tr> <td>Course Assessments</td> <td>Reading and Job Application Writing</td> <td>50 marks</td> </tr> <tr> <td></td> <td>Listening</td> <td>20 marks</td> </tr> <tr> <td></td> <td>Assignment Writing</td> <td>20 marks</td> </tr> <tr> <td></td> <td>Talking</td> <td>30 marks</td> </tr> </table> <p>The assignment writing and talking assessment are completed with your class teacher throughout the year. The reading, job application writing and listening assessments take place at the end of the year during the main SQA exams.</p>	Course Assessments	Reading and Job Application Writing	50 marks		Listening	20 marks		Assignment Writing	20 marks		Talking	30 marks
Course Assessments	Reading and Job Application Writing	50 marks											
	Listening	20 marks											
	Assignment Writing	20 marks											
	Talking	30 marks											
<b>Homework</b>	Learning new words, phrases and structures is an important part of learning a language. You will be expected to revise your class work regularly at home to consolidate your learning. Homework tasks will be set throughout the year and preparation for some assessments will take place in class as well as at home.												
<b>Attainment</b>	National 4 or National 5 French												
<b>Entry Requirements</b>	<p>National 4</p> <p>You should have good understanding of the work covered in French in S3.</p> <p>National 5:</p> <p>You should have a very good understanding of the work covered in French in S3 or if you completed the National 4 French course, you should have done very well in all the assessments.</p>												
<b>Progression</b>	National 4 French to National 5 French and National 5 French to Higher French												
<b>Information from</b>	Ms Feeney												

<b>COURSE</b>	<b>German National 4/5</b>												
<b>What will I cover?</b>	This course will provide you with the opportunity to develop your reading, listening, writing and talking skills in German through the contexts of society, learning, employability and culture. You will develop a deeper understanding of the language in practical and relevant contexts, improve your communication skills and explore the life, culture, traditions and customs in some German speaking countries.												
<b>Assessment</b>	<p>National 4 To pass National 4 German you must pass assessments in each of the four skills of reading, listening, writing and talking. You must also complete an Added Value Unit. There is no external exam for National 4 German.</p> <p>National 5</p> <table border="0"> <tr> <td>Course Assessments</td> <td>Reading and Job Application Writing</td> <td>50 marks</td> </tr> <tr> <td></td> <td>Listening</td> <td>20 marks</td> </tr> <tr> <td></td> <td>Assignment Writing</td> <td>20 marks</td> </tr> <tr> <td></td> <td>Talking</td> <td>30 marks</td> </tr> </table> <p>The assignment writing and talking assessment are completed with your class teacher throughout the year. The reading, job application writing and listening assessments take place at the end of the year during the main SQA exams.</p>	Course Assessments	Reading and Job Application Writing	50 marks		Listening	20 marks		Assignment Writing	20 marks		Talking	30 marks
Course Assessments	Reading and Job Application Writing	50 marks											
	Listening	20 marks											
	Assignment Writing	20 marks											
	Talking	30 marks											
<b>Homework</b>	Learning new words, phrases and structures is an important part of learning a language. You will be expected to revise your class work regularly at home to consolidate your learning. Homework tasks will be set throughout the year and preparation for some assessments will take place in class as well as at home.												
<b>Attainment</b>	National 4 or National 5 German												
<b>Entry Requirements</b>	<p>National 4 You should have good understanding of the work covered in German in S3.</p> <p>National 5: You should have a very good understanding of the work covered in German in S3 or if you completed the National 4 German course, you should have done very well in all the assessments.</p>												
<b>Progression</b>	National 4 German to National 5 German and National 5 German to Higher German												
<b>Information from</b>	Ms Feeney												

<b>COURSE</b>	<b>Spanish National 4/5</b>												
<b>What will I cover?</b>	This course will provide you with the opportunity to develop your reading, listening, writing and talking skills in Spanish through the contexts of society, learning, employability and culture. You will develop a deeper understanding of the language in practical and relevant contexts, improve your communication skills and explore the life, culture, traditions and customs in some Spanish speaking countries.												
<b>Assessment</b>	<p>National 4 To pass National 4 Spanish you must pass assessments in each of the four skills of reading, listening, writing and talking. You must also complete an Added Value Unit. There is no external exam for National 4 Spanish.</p> <p>National 5</p> <table border="0"> <tr> <td>Course Assessments</td> <td>Reading and Job Application Writing</td> <td>50 marks</td> </tr> <tr> <td></td> <td>Listening</td> <td>20 marks</td> </tr> <tr> <td></td> <td>Assignment Writing</td> <td>20 marks</td> </tr> <tr> <td></td> <td>Talking</td> <td>30 marks</td> </tr> </table> <p>The assignment writing and talking assessment are completed with your class teacher throughout the year. The reading, job application writing and listening assessments take place at the end of the year during the main SQA exams.</p>	Course Assessments	Reading and Job Application Writing	50 marks		Listening	20 marks		Assignment Writing	20 marks		Talking	30 marks
Course Assessments	Reading and Job Application Writing	50 marks											
	Listening	20 marks											
	Assignment Writing	20 marks											
	Talking	30 marks											
<b>Homework</b>	Learning new words, phrases and structures is an important part of learning a language. You will be expected to revise your class work regularly at home to consolidate your learning. Homework tasks will be set throughout the year and preparation for some assessments will take place in class as well as at home.												
<b>Attainment</b>	National 4 or National 5 Spanish												
<b>Entry Requirements</b>	<p>National 4 You should have good understanding of the work covered in Spanish in S3.</p> <p>National 5: You should have a very good understanding of the work covered in Spanish in S3 or if you completed the National 4 Spanish course, you should have done very well in all the assessments.</p>												
<b>Progression</b>	National 4 Spanish to National 5 Spanish and National 5 Spanish to Higher Spanish												
<b>Information from</b>	Ms Feeney												

<b>COURSE</b>	<b>Languages National 2</b>
<b>What will I cover?</b>	If you did the National 2 Life in Another Country course in S3, then this course will provide you with the opportunity to continue your work on this. You will have to opportunity to complete the other two National 2 units of work. You will continue to learn words and phrases to make the experience of travel and holidays more rewarding. The course will also include the study of life, culture, traditions and customs of countries where French, German and Spanish are spoken.
<b>Assessment</b>	To pass the course you must pass internal assessments in each of the four skills of reading, listening, writing and talking. There is no external exam.
<b>Homework</b>	You will be expected to revise the new words and phrases covered in class. Homework tasks will be set throughout the year and preparation for some assessments will take place in class as well as at home.
<b>Attainment</b>	National 2 Modern Languages
<b>Entry Requirements</b>	You should have completed the National 2 Life in Another Country course in S3.
<b>Progression</b>	Level 3 Modern Languages for Life and Work Award
<b>Information from</b>	Ms Feeney

# SENIOR PHASE PATHWAYS SCIENCES



<b>COURSE</b>	<b>Biology National 4</b>
<b>What will I cover?</b>	<p>The Course has 3 mandatory units and an added value unit:</p> <p><b>Cell Biology</b> The key areas covered are: cell division and its role in growth and repair, DNA, genes and chromosomes, therapeutic use of cells, properties of enzymes and use in industries, properties of microorganisms and use in industries, photosynthesis – limiting factors, factors affecting respiration, and controversial biological procedures.</p> <p><b>Multicellular Organisms</b> The key areas covered are: sexual and asexual reproduction and their importance for survival of species, propagating and growing plants, commercial use of plants, genetic information, growth and development of different organisms, and biological actions in response to internal and external changes to maintain stable body conditions.</p> <p><b>Life on Earth</b> The key areas covered are how animal and plants species depend on each other, impact of population growth and natural hazards on biodiversity, nitrogen cycle, fertiliser design and environmental impact of fertilisers, adaptations for survival, and learned behaviour in response to stimuli linked to species survival.</p> <p><b>Added Value Unit: Biology Assignment</b> Learners will draw on and extend the skills they have learned from across the other Units, and demonstrate the breadth of knowledge and skills acquired, in unfamiliar contexts and/or integrated ways.</p>
<b>Assessment</b>	To pass National 4 Biology candidates must pass all of the mandatory units and the added value unit mentioned above. There is no external exam for National 4 Biology.
<b>Homework</b>	Homework will vary depending on the units being covered. There is an expectation that students will go over their class work regularly to consolidate learning. Preparation for assessments will also form part of the homework for the course.
<b>Attainment</b>	National 4 Biology
<b>Entry Requirements</b>	Having studied S3 Biology By negotiation with the department
<b>Progression</b>	National 5 Biology, National 4/5 Environmental Science
<b>Information from</b>	Mr Westgarth

<b>COURSE</b>	<b>Biology National 5</b>
<b>What will I cover?</b>	<p><b>Cell Biology</b> Learners will develop knowledge and skills and carry out practical and other learning activities related to study and investigation of the cell. The key areas covered are: cell structure; transport across cell membranes; DNA and the production of proteins; proteins; genetic engineering; respiration</p> <p><b>Multicellular Organisms</b> Learners will develop knowledge, skills and carry out practical and other learning activities related to study and investigation of whole organisms. The key areas covered are: producing new cells; control and communication; reproduction; variation and inheritance; transport systems — plants; transport systems — animals; absorption of materials.</p> <p><b>Life on Earth</b> Learners will develop knowledge and skills and carry out practical and other learning activities related to the study and investigation of Life on Earth. The key areas covered are: ecosystems; distribution of organisms; photosynthesis; energy in ecosystems; food production; evolution of species.</p>
<b>Assessment</b>	The external assessment for National 5 Biology consists of: An assignment investigating an application of Biology (20%) An external examination (80%)
<b>Homework</b>	Homework will be given on a regular basis to assist in learning. In addition, pupils are expected to prepare for end of topic tests and unit assessments. Pupils should spend approximately 1 hour on homework each week.
<b>Attainment</b>	An award (A-C) in National 5 Biology would lead to further study of Higher Biology.
<b>Entry Requirements</b>	S3 Biology A pass at National 4 Biology or a grade B in National 5 Chemistry or Physics.
<b>Progression</b>	Higher Biology, National 5 Environmental Science or Higher Environmental Science (approval needed).
<b>Information from</b>	Mr Westgarth

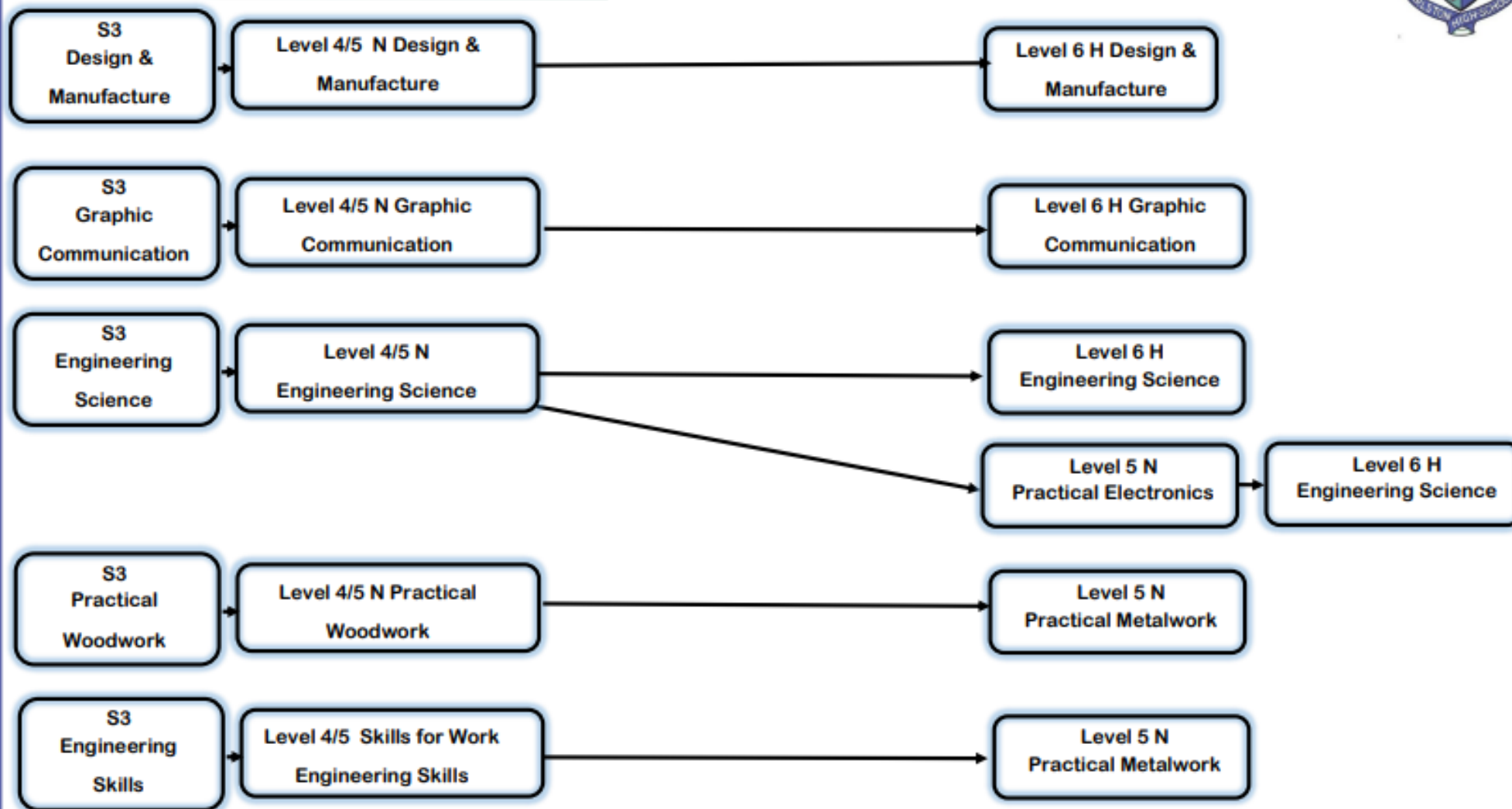
<b>COURSE</b>	<b>Chemistry National 4/5</b>
<b>What will I cover?</b>	<p><b>Chemical Changes and Structure</b> Learners will develop scientific skills and knowledge of the chemical reactions in our world. Through practical experience, learners will investigate average rates of reaction and the chemistry of neutralisation reactions. Focusing on these reactions, learners will work towards the concept of balanced chemical reactions. Learners will explore the mole concept, formulae and reaction quantities. The connection between bonding and chemical properties of materials is investigated.</p> <p><b>Nature's Chemistry</b> The Earth has a rich supply of natural resources which are used by all of us. Learners will investigate the physical and chemical properties of cycloalkanes, branched chain alkanes and alkenes, and straight chain alcohols and carboxylic acids. They will explore their chemical reactions and their uses in everyday consumer products. Learners will investigate the comparison of energy from different fuels.</p> <p><b>Chemistry in Society</b> Learners will develop skills and carry out practical investigations related to the chemistry of materials. Learners will focus on the chemistry of metals and their bonding, reactions and uses. The connection between bonding in plastics, their physical properties and their uses is investigated. Learners will investigate the chemical reactions and processes used to manufacture fertilisers. They will research the use and effect of different types of nuclear radiation. Learners will investigate chemical analysis techniques used for monitoring the environment.</p>
<b>Assessment</b>	National 4 Chemistry: Students must pass 3 Unit Assessments, 1 Practical Assessment and an Added Value Assignment. The external assessment for National 5 Chemistry consists of: An assignment investigating an application of Chemistry (20%) An external examination (80%).
<b>Homework</b>	Homework will be given on a regular basis to assist in learning. In addition, pupils are expected to prepare for end of topic tests and unit assessments. Pupils should spend approximately 40 minutes on homework each week.
<b>Attainment</b>	National 4/5 Chemistry
<b>Entry Requirements</b>	S3 Chemistry By negotiation with the department
<b>Progression</b>	National 4 Chemistry would lead to further study at National 5 level. An award (A-C) in National 5 Chemistry would lead to further study of Higher Chemistry. National 5 Environmental Science.
<b>Information from</b>	Mr Westgarth

<b>COURSE</b>	<b>Environmental Science National 4/5</b>
<b>What will I cover?</b>	<p><b>Living Environment</b>  in this Unit, learners will develop skills of scientific inquiry, investigation and analytical thinking, along with knowledge and understanding in the context of the living environment. The key areas covered at National 4 level are: Interdependence; Adaptation for Survival; Population Growth and Natural Hazards on Biodiversity. The key areas at National 5 level are: Investigating Ecosystems and Biodiversity; Interdependence; Human Influences on Biodiversity.</p> <p><b>Earth's Resources</b>  The key areas covered at National 4 level are: Non-Renewable and Renewable Resources; Energy Sources; The Carbon Cycle. The key areas covered at National 5 level are: An Overview of Earth Systems and their Interactions; The Geosphere; The Hydrosphere; The Biosphere; The Atmosphere.</p> <p><b>Sustainability</b>  The key areas covered at National 4 level are: Natural Resources; The Interaction Between Humans and the Environment; Agriculture; Society's Energy Needs; The key areas covered at National 5 level are: Introduction to Sustainability; Food; Water; Energy; Waste Management.</p> <p><b>Added Value Unit</b>  In this Unit, learners will draw on and extend the skills they have learned from across the other Units and demonstrate the breadth of knowledge and skills acquired, in unfamiliar contexts and/or integrated ways.</p>
<b>Assessment</b>	To achieve the National 4 Course, learners must pass all of the required Units, including the Added Value Unit. National 4 Courses are not graded. To achieve National 5, learners must pass all of the required Units and the final exam.
<b>Homework</b>	Homework will be given on a regular basis to assist in learning. In addition, pupils are expected to prepare for end of topic tests and unit assessments. Pupils should spend approximately 20 minutes on homework each week.
<b>Attainment</b>	National 4/5 Environmental Science
<b>Entry Requirements</b>	Having studied S3 Geography or Biology By negotiation with the department
<b>Progression</b>	Higher Environmental Science Higher Geography
<b>Information from</b>	Mr Westgarth/Mrs Grant

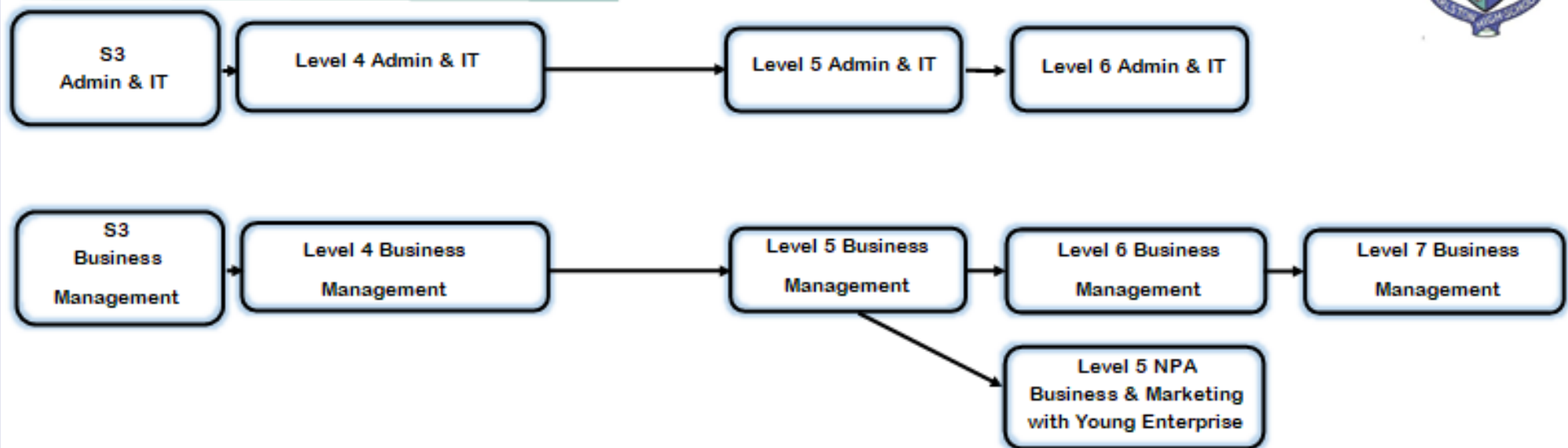
<b>COURSE</b>	<b>Horticulture Level 4</b>
<b>What will I cover?</b>	<p>This course introduces you to techniques that are important in the horticulture sector and covers areas such as allotment gardens and plant propagation.</p> <p>The course has 2 mandatory units:</p> <ul style="list-style-type: none"> <li>• Allotment Gardening</li> <li>• Plant Propagation</li> </ul> <p>There is also one optional unit which will be decided once the interests of the group have been established.</p>
<b>Assessment</b>	There is no final exam. Assessment will be ongoing using a variety of techniques appropriate to the task.
<b>Homework</b>	There will be no formal homework but an expectation that you should practice techniques learned out with school.
<b>Attainment</b>	Level 4 Horticulture Award
<b>Entry Requirements</b>	There are no set entry requirements although an interest in horticulture and the environment would be beneficial.
<b>Progression</b>	
<b>Information from</b>	Mr Westgarth, Dr Morton

<b>COURSE</b>	<b>Physics National 4/5</b>
<b>What will I cover?</b>	<p>The Course has 6 topics:</p> <p><b>Dynamics</b> In this area, the topics covered are: vectors and scalars; velocity–time graphs; acceleration; Newton’s laws; energy; projectile motion.</p> <p><b>Space</b> In this area, the topics covered are: space exploration; cosmology.</p> <p><b>Electricity</b> In this area, the topics covered are: electrical charge carriers; potential difference (voltage); Ohm’s law; practical electrical and electronic circuits; electrical power.</p> <p><b>Properties of matter</b> In this area, the topics covered are: specific heat capacity; specific latent heat; gas laws and the kinetic model.</p> <p><b>Waves</b> In this area, the topics covered are: wave parameters and behaviours; electromagnetic spectrum; refraction of light.</p> <p><b>Radiation</b> In this area, the topic covered is nuclear radiation.</p>
<b>Assessment</b>	<p>To achieve the National 4 Course, learners must pass all of the required Units, including the Added Value Unit. National 4 Courses are not graded.</p> <p>The external assessment for National 5 Physics consists of: An assignment (20%) and an external examination (80%).</p>
<b>Homework</b>	Homework will be given on a regular basis to assist in learning. In addition, pupils are expected to prepare for tests and practical assessments outside of class time. Pupils should spend approximately 60 minutes on homework each week.
<b>Attainment</b>	National 4 or 5 Physics
<b>Entry Requirements</b>	Having studied S3 Physics By negotiation with department
<b>Progression</b>	Higher Physics
<b>Information from</b>	Mr Westgarth

# SENIOR PHASE PATHWAYS CDT



# SENIOR PHASE PATHWAYS Business Studies



<b>COURSE</b>	<b>Administration &amp; IT National 4/5</b>
<b>What will I cover?</b>	<p>This course is designed for learners who are interested in administration and the practical uses of IT. <b>It contains a significant practical component</b> using Microsoft packages while studying the theory of Admin in the workplace.</p> <p>The course is made up of the following:</p> <p><b>Administration theory in the workplace</b> covers topics like: tasks, skills and qualities of administrators; customer service; health and safety; security of people, property and information; sources of information from internet; file management; corporate image; electronic communication methods.</p> <p><b>IT Applications</b> practical experience of using word processing; spreadsheets; databases; desk top publishing; presentation software and electronic communication.</p>
<b>Assessment</b>	External examination worth 50 marks and you will complete an assignment in class (which will be externally marked) worth 70 marks.
<b>Homework</b>	Homework will be distributed weekly averaging about 30 minutes per week. Homework will be handed out at least one week before it is due in, to give pupils the opportunity to analyse the task and clarify any queries.
<b>Attainment</b>	National 5 Administration & IT
<b>Entry Requirements</b>	<p>Having studied S3 Admin &amp; IT</p> <p>Studying N5 Maths/apps of Maths</p> <p>By negotiation with the department</p>
<b>Progression</b>	<b>Higher Administration &amp; IT</b>
<b>Information from</b>	Mr Anderson

<b>COURSE</b>	<b>Business &amp; IT NPA Level 5</b>
<b>What will I cover?</b>	<p>Business and IT both play an important role in society. We all rely on businesses and entrepreneurs to create wealth, prosperity, jobs and choices. The purpose of the Course is to develop learners' understanding of the way in which businesses operate in the current dynamic, changing, competitive and economic environments, and to encourage entrepreneurial attitudes. Developing Information Technology skills are crucial for the workplace. This course develops skills using a variety of differing IT packages.</p> <p>The course is made up of the following:</p> <p><b>Understanding Business</b> covers sectors of industry and types of business organisations and their stakeholders.</p> <p><b>Management of Marketing and Operations</b> covers market research, marketing mix, ICT in marketing, choosing a supplier, types of ethical production, stock control, quality management techniques and ICT in operations.</p> <p><b>IT Solutions for Administrators</b> covers using spreadsheets, databases and word processing</p> <p><b>Communication in Administration</b> covers Internet research, using PowerPoint, desk top publishing and email.</p>
<b>Assessment</b>	Pupils will have continual open book assessments which will be internally marked and verified.
<b>Homework</b>	Homework will be distributed weekly averaging about 30 minutes per week. Homework will be handed out at least one week before it is due in, to give pupils the opportunity to analyse the task and clarify any queries.
<b>Attainment</b>	Business & IT NPA Level 5 Award
<b>Entry Requirements</b>	<p>Having studied S3 Business Management</p> <p>National 4 Business Management</p> <p>National 5 English</p> <p>By negotiation with the department</p>
<b>Progression</b>	<b>National 5 Business Management</b>
<b>Information from</b>	Mr Anderson

<b>COURSE</b>	<b>Business Management National 4/5</b>
<b>What will I cover?</b>	<p>This course looks at the theory of Business and how Business plays an important role in society. This involves writing extended answers.</p> <p>We all rely on businesses and entrepreneurs to create wealth, prosperity, jobs and choices. The purpose of the Course is to develop learners' understanding of the way in which businesses operate in the current dynamic, changing, competitive and economic environments, and to encourage entrepreneurial attitudes.</p> <p>The course is made up of the following:</p> <p><b>Understanding Business</b> covers sectors of industry, types of business organisations and their stakeholders.</p> <p><b>Management of Marketing</b> covers market research, marketing mix, ICT in marketing</p> <p><b>Management of Operations</b> choosing a supplier, types of ethical production, inventory control, quality management techniques and ICT in operations.</p> <p><b>Management of Finance</b> covers sources of finance, budgeting, breakeven analysis, and profit and loss statements and ICT in Finance</p> <p><b>Management of People</b> covers recruitment, selection, training, employment legislation and ICT in HR.</p>
<b>Assessment</b>	External examination worth 90 marks (75% of the course) and will complete an assignment in class (which will be externally marked worth 30 marks (25 % of the course).
<b>Homework</b>	Homework will be distributed weekly averaging about 30 minutes per week. Homework will be handed out at least one week before it is due in, to give pupils the opportunity to analyse the task and clarify any queries.
<b>Attainment</b>	National 4 or 5 Business Management
<b>Entry Requirements</b>	<p>Having studied S3 Business Management</p> <p>Studying National 5 English</p> <p>By negotiation with the department</p>
<b>Progression</b>	<p><b>Higher Business Management</b></p> <p><b>Business &amp; IT NPA Level 5</b></p> <p><b>(Progression to Business &amp; Marketing with Young Enterprise NPA is only available to S5 and S6 Students)</b></p>
<b>Information from</b>	Mr Anderson

<b>COURSE</b>	<b>Design Manufacture National 4/5</b>
<b>What will I cover?</b>	<p>The Course provides a broad practical introduction to design, materials and manufacturing processes. It provides opportunities for learners to gain skills in both designing and in communicating design proposals. It allows learners to explore the properties and uses of materials and to make models and full prototypes of products they have designed.</p> <ul style="list-style-type: none"> <li>• <b>Design Unit</b> — focuses on the process from brief to design proposals: analysing a design brief, generating and developing ideas, producing drawings/models/CAD, and planning for manufacture.</li> <li>• <b>Materials &amp; Manufacturing Unit</b> — covers properties of materials (wood, metal, plastics, etc.), manufacturing processes and practical workshop skills needed to bring a design to life as a prototype/product.</li> </ul> <p>Pupils will learn to:</p> <ul style="list-style-type: none"> <li>• Investigate design problems and user needs</li> <li>• Create design proposals — sketches, models, CAD, specifications</li> <li>• Understand and choose appropriate materials and manufacturing processes</li> <li>• Use workshop tools and equipment safely and precisely</li> <li>• Manufacture a prototype or product from their design</li> <li>• Evaluate their design and manufactured product considering function, aesthetics, sustainability and user needs</li> </ul>
<b>Assessment</b>	<p><b>Component 1 – Design Assignment: 55Marks 31%</b> A workshop based design project on a topic set by the SQA worth 100 marks.</p> <p><b>Component 2 Practical: 45Marks 25%.</b> Manufacturing their designed product in the workshop.</p> <p><b>Component 3 – Question paper. 80marks 44%</b> An external exam set by the SQA worth 80 marks. Questions based on the theory of manufacture and design.</p>
<b>Homework</b>	Homework will be distributed regularly (mostly weekly) averaging about 30 minutes per week. Homework will be handed out at least one week before it is due in, to give pupils the opportunity to analyse the task and clarify any queries.
<b>Attainment</b>	National 4 or 5 Design Manufacture
<b>Entry Requirements</b>	Having studied S3 Design Manufacture By negotiation with the department
<b>Progression</b>	<b>Higher Design Manufacture</b>
<b>Information from</b>	Mr Anderson

<b>COURSE</b>	<b>Engineering Science National 4/5</b>
<b>What will I cover?</b>	<p>The Course enables learners to develop: a range of technological skills, including skills in analysis and problem solving, design skills, skills in the use of equipment and materials, and skills in evaluating products and systems. The Course also enables learners to develop knowledge and understanding of key engineering concepts and processes, and the ability to apply these to a variety of problems; and an awareness of the impact of engineering on society and the environment. There are 3 units:</p> <p><b>Engineering: Contexts and Challenges</b> This Unit provides a broad context for the Course. Its purposes are to develop an understanding of engineering, and its role and impact in changing and influencing our environment and society. It develops an understanding of engineering concepts by exploring a range of engineered objects, engineering problems and solutions.</p> <p><b>Electrical and Electronic Systems</b> This Unit explores an appropriate range of key concepts and devices used in electrical and electronic systems, including analogue, digital and programmable systems. Skills in problem solving and evaluating are developed through simulation, practical projects and investigative tasks in a range of contexts.</p> <p><b>Mechanical Systems</b> This Unit explores an appropriate range of key concepts involving mechanical systems, such as gears, pneumatics, structures, forces, energy and efficiency. Skills in problem solving and evaluating are developed through simulation, practical projects and investigative tasks in a range of contexts.</p>
<b>Assessment</b>	<p>Component 1 – Assignment:50 Marks. A coursework-based project to solve a technological problem, on a topic set by the SQA worth 50 marks.</p> <p>Component 2 – Question paper: 110 Marks An external exam set by the SQA worth 110 marks.</p>
<b>Homework</b>	Homework will be distributed regularly (mostly weekly) averaging about 30 minutes per week. Homework will be handed out at least one week before it is due in, to give pupils the opportunity to analyse the task and clarify any queries.
<b>Attainment</b>	<b>National 4/5 Engineering Science</b>
<b>Entry Requirements</b>	Entry to the National 5 course is open to students who have studied S3 Engineering Science. National 5 Physics By negotiation with the department
<b>Progression</b>	Higher Engineering Science, N5 Practical Electronics
<b>Information from</b>	Mr Anderson

<b>COURSE</b>	<b>Graphic Communication National 4/5</b>
<b>What will I cover?</b>	<p>National 5 Graphic Communication develops pupils' skills in visual communication, using both manual and digital techniques. Learners create clear, accurate drawings and graphics used in engineering, architecture, product design, advertising and digital media. This is fundamentally a practical based subject where pupils will learn:</p> <ul style="list-style-type: none"> <li>• <b>2D Graphics:</b> Technical drawing, standards, dimensioning, orthographic projection, layout and presentation.</li> <li>• <b>3D &amp; Pictorial Graphics:</b> Sketching, CAD modelling, rendering, visualisation and promotional graphics.</li> <li>• <b>Graphic Principles:</b> Colour, typography, layout, illustration and how graphics communicate information clearly.</li> <li>• <b>Practical Skills:</b> Manual drawing, 2D CAD, 3D CAD and presentation techniques.</li> </ul>
<b>Assessment</b>	<p>Component 1 – Assignment: 40Marks. A coursework portfolio to showcase 2D and 3D skills, set by the SQA worth 40 marks.</p> <p>Component 2 – Question paper 80Marks. An external exam set by the SQA worth 80 marks.</p>
<b>Homework</b>	Homework will be distributed as course topics allow, averaging about 30 minutes per week. Homework will be handed out at least one week before it is due in, to give pupils the opportunity to analyse the task and clarify any queries.
<b>Attainment</b>	National 4 or 5 Graphic Communication
<b>Entry Requirements</b>	National 4 in Graphic Communication or have studied Graphic Communication at S3 By negotiation with department.
<b>Progression</b>	<b>Higher Graphic Communication</b>
<b>Information from</b>	Mr Anderson

<b>COURSE</b>	<b>Practical Electronics National 4/5</b>
<b>What will I cover?</b>	<p>The Course has 3 areas of study:</p> <p><b>Circuit Design</b> In this area, candidates develop an understanding of key electrical concepts and electronic components. Candidates analyse electronic problems, design solutions to these problems and explore issues relating to electronics.</p> <p><b>Circuit Simulation</b> In this area, candidates use simulation software to assist in the design, construction and testing of circuits and systems and to investigate their behaviour.</p> <p><b>Circuit Construction</b> In this area, candidates gain experience in assembling a range of electronic circuits, using permanent and non-permanent methods. They develop skills in practical wiring and assembly techniques, carrying out testing and evaluating functionality.</p>
<b>Assessment</b>	<p>Component 1 – Question Paper. An external exam set by the SQA worth 30%.</p> <p>Component 2 – Practical Assignment. An external activity set by the SQA worth 70%.</p>
<b>Homework</b>	Due to the practical nature of this course, very little homework will be required. There may be some homework in the lead up to the final exam to recap on the theory aspect of the course.
<b>Attainment</b>	National 4 or 5 Practical Electronics
<b>Entry Requirements</b>	By negotiation with the department
<b>Progression</b>	<b>N5 Engineering Science</b>
<b>Information from</b>	Mr Anderson

<b>COURSE</b>	<b>Practical Woodworking National 4/5</b>
<b>What will I cover?</b>	<p>The Course has 3 units:</p> <p><b>Flat-frame Construction</b>  This Unit helps learners develop skills in setting out and making basic woodworking joints commonly used in flat-frame joinery. Tasks will involve some complex features. Learners will use simple woodworking drawings or diagrams but will also be able to comprehend and use drawing and diagrams depicting some unfamiliar situations.</p> <p><b>Carcase Construction</b>  This Unit helps learners develop skills in setting out and making basic woodworking joints commonly used in carcass joinery. Tasks will involve some complex features. This may include working with manufactured board or with frame and panels. The Unit includes the use of working drawings or diagrams, including unfamiliar situations that require some interpretation on the part of the learner.</p> <p><b>Machining and Finishing</b>  This Unit helps learners develop skills in setting up and using common machines and power tools. It also helps learners develop skills in a variety of simple woodworking surface preparations and finishing techniques.</p>
<b>Assessment</b>	<p>Component 1 – Question Paper. An external exam set by the SQA worth 30%.</p> <p>Component 2 – Practical Assignment. An external activity set by the SQA worth 70%.</p>
<b>Homework</b>	Due to the practical nature of this course, very little homework will be required.
<b>Attainment</b>	National 4 or 5 Practical Woodworking
<b>Entry Requirements</b>	By negotiation with the department
<b>Progression</b>	<b>Practical Metalworking National 4/5</b>
<b>Information from</b>	Mr Anderson