

Grove Academy



S2-S3

Course information Booklet

2022/23

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Art and Design S3:

The S3 course builds on pupils' knowledge, understanding, and practical skills based on the experiences and outcomes of the expressive arts from the Broad General Education. During this time pupils will develop their ability which forms the foundation of skill required for the National 4 and National 5 courses.

Pupils are offered a range of opportunities through various bodies of work that will help to develop and refine their skills working along the structure of national 5 course – Research & Investigation, Developing, final outcome and evaluation of their work and process. Pupils will also undertake a study of the work of artists and designers.

S3 course fundamentals are to strengthen pupils drawing practice, allowing them to experience hands making to develop their practical skills with a wide range of materials and media. Projects in Art & Design focus on developing personal inquiry skills in developing abilities in visually communicating, recording information, to provide an opportunity to respond as an individual and personal interpretation.

Pupils will cover a range of unit:

Expressive units:

Basic drawing skills – 6 weeks

Still Life project – 6 weeks

Landscape / Built environment – 8 weeks

Design units:

3D making – 9 weeks

Basic design techniques – 7 weeks

Graphic design – 11 Weeks



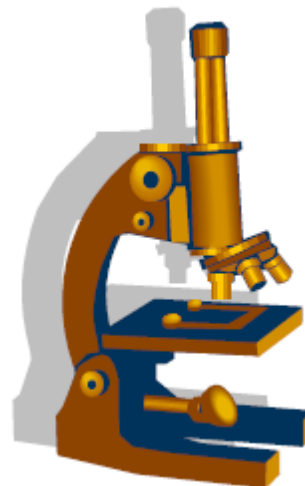
Biology

Biology is the study of living organisms. The subject plays a crucial role in our everyday existence and is becoming increasingly important in the modern world.

The S3 Biology course is divided into two units at level 4 of the Curriculum for Excellence.

In Unit 1- **Cell Biology** you will learn about:

- The structure of animal and plant cells.
- How substances transport into and out of cells.
- How cells grow and repair and the role of cell division.
- The use of enzymes and microorganisms in biological industries.
- What factors can affect plants from photosynthesising.
- Respiration and the need for energy to survive.



In Unit 2 -**Multicellular Organisms** you will learn about:

- The difference between sexual and asexual reproduction and their importance for survival of species.
- Plant Life Cycle
- DNA and Inheritance
- Genetic Modification

We will also start the N5 Biology course in February during S3 and will deliver the following topics:

- Biodiversity and Ecosystems
- Energy in Ecosystems
- Photosynthesis
- Food Production
- Evolution

You will take part in different practical activities to support the content being delivered. There will also be an assessment at the end of each unit.

Progression from S3: National 4/5 Biology is available to study in S4.

BUSINESS STUDIES DEPARTMENT

There are 3 subjects on offer within the Business Studies Department that pupils can progress onto in S3:

- Accounting
- Administration & IT
- Business Management

A description of each course is given below. Please speak to Mrs King (ddsking73@glow.sch.uk) or any member of the Business Studies team for further information.

Level 4 Accounting

Purpose of Course	Accounting is a key function in the dynamic world of business. The course provides learners with the knowledge and skills needed to understand, analyse and interpret financial information in order to make informed judgements and decisions.
Course Outline	<p><u>Financial Accounting Unit</u></p> <ol style="list-style-type: none"> 1. Preparing Income Statements to calculate Profit for the Year 2. Preparing Statements of Financial Position to calculate Net Worth 3. Recording straightforward transactions using ledger accounts <p><u>Management Accounting Unit</u></p> <ol style="list-style-type: none"> 1. Using Break Even Analysis to calculate the break-even point in units and sales value 2. Preparing a business cash budget showing inflows/outflows of cash and outlining courses of action to improve short-term cash flow problems
Employability Skills Developed	<ul style="list-style-type: none"> • Numeracy – Money Management • Initiative & Self-Motivation – Working Independently and Problem Solving • Interpersonal Skills – Work Ethic
CfE Level 4 Benchmarks	<p>SOC 4-21b – prepare and present financial information and documents to assist in making financial business decisions</p> <p>MNU 4-03a – carry out necessary calculations to solve problems set in unfamiliar contexts</p>
Progression into Senior Phase	<ul style="list-style-type: none"> • N5 Accounting • Higher Accounting • Advanced Higher Accounting • PDA in Financial or Management Accounting (D&A College) • Modern Apprenticeships in Accounting



Level 4 Administration & IT

<p>Purpose of Course</p>	<p>Administration & IT develops learners organisational and IT skills that are always in demand by employers. Pupils will develop the knowledge and skills required in the workplace and the transferrable IT skills required.</p>
<p>Course Outline</p>	<p><u>IT Applications Unit</u></p> <ol style="list-style-type: none"> 1. Email & Internet – features/functions of email apps such as Outlook, composing a professional email and using the Internet effectively to gather information 2. Excel Spreadsheets – using basic functions and formulae and creating charts 3. Word Processing – using features and functions of MS Word to effectively display a variety of business documents <p><u>Theory Unit</u></p> <ol style="list-style-type: none"> 1. Features/benefits of good file management and consequences of poor file management 2. Skills and qualities required by a Junior Admin Assistant to be effective in the workplace
<p>Employability Skills Developed</p>	<ul style="list-style-type: none"> • Literacy – Reading/following written instructions for IT work • Organisation & Planning – Managing Workload • Initiative & Self-Motivation – Working Independently and Problem Solving
<p>CfE Level 4 Benchmarks</p>	<p>TCH 4-01a – use digital technology to access, select information and solve problems TCH 4-02a – use digital technology to process and manage information TCH 4-08a – use appropriate hardware and software to support business activities</p>
<p>Progression into Senior Phase</p>	<ul style="list-style-type: none"> • N3/4/5 Administration & IT • Higher Administration & IT • PDA in Information Technology for Business (D&A College) • Modern Apprenticeships in Administration & IT



Level 4 Business Management

Purpose of Course	<p>Business Management develops learner’s enterprise skills and attributes. Pupils will develop their understanding of how society relies on businesses and other organisations to satisfy wants and needs and how external factors can have an impact.</p>
Course Outline	<p><u>Understanding Business Unit 1</u> The Business Environment – explore the business world around you, understanding enterprising behaviour, distinguish between the 3 sectors of the economy and different types of businesses</p> <p><u>Understanding Business Unit 2</u> Business Influences – explore various sources of finance available to start-up a business, the factors that can contribute to the success or failure of a business and the various stakeholders that have an interest in how a business performs.</p> <p>Marketing Unit An introduction to the Marketing Mix focussing on the product, branding, the product life cycle and promotional activities.</p> <p><u>Business Management Research Project</u> Investigate a local business or your choice by preparing a professional business report.</p>
Employability Skills Developed	<ul style="list-style-type: none"> • Literacy – researching and writing • Initiative & Self-Motivation – Enterprising • Teamwork – collaboration and sharing ideas
CfE Level 4 Benchmarks	<p>SOC 4-20b – understand the purpose and features of private, public and third sector organisations and their relationship with stakeholders</p> <p>SOC 4-21a – Evaluate the suitability of finance options available for setting up different types of businesses</p> <p>SOC 4-22b – identify internal and external factors that can contribute to the success or failure of businesses</p>
Progression into Senior Phase	<ul style="list-style-type: none"> • N3/4 Business • N5 Business Management • Higher Business Management • Advanced Higher Business Management • NPA in Events (D&A College) • Foundation Apprenticeships in Business Management

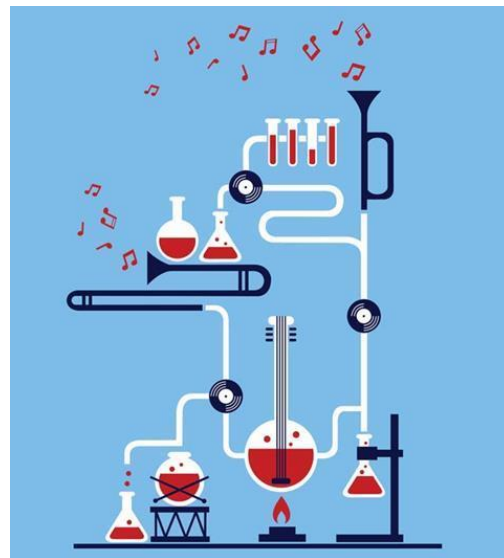


Chemistry

Chemistry is behind many aspects of modern life ranging from electronics to medicines. Study of chemistry is value to anyone planning to pursue a scientific or medical career and offers opportunities to develop transferrable skills needed for work and learning.

In third year we aim to develop learners' curiosity, interest and enthusiasm for chemistry by the study of the applications of chemistry in everyday settings.

The skills of scientific inquiry and investigation are developed throughout the course, and the relevance of chemistry to the world of work and its positive impacts on modern life is highlighted.



The third year chemistry course will continue to build on the important laboratory skills and knowledge and understanding of chemistry developed during S1 and S2. You will be learning about chemical topics including

- Energy changes involved in chemical reactions
- Measurement of changes in mass during chemical reactions.
- The structure of the atom
- The different ways that atoms bond together and properties of the materials
- Production of fossil fuels and hydrocarbons
- Chemical reactions of metals & uses of metals
- Getting electricity from chemical reactions
- Smart materials and polymers
- Chemicals in the environment.

You will have opportunities to contribute to projects and presentations in addition to carrying out experimental work.



Your progress in the subject will be gauged by written assessments and homework throughout the course.

Progression

Pupils who successfully complete the course can progress to either National 4 or National 5 chemistry. This can lead to study of Chemistry at Higher and Advanced Higher level. These are qualifications that lead to directly to employment or to university entrance.

Computing and Creative Media

Course outline

Computing Science is a very broad subject area which influences every aspect of our daily lives. From cooking to shopping, gaming to medicine, banking to social media, computers are everywhere. Computing Science teaches vital problem solving and computational thinking skills, creating strong links to every career imaginable. Computing Science is more than just programming – it is the foundation for our digital world.



Course Content

Through a project-based approach we introduce a wide range of Computing Science skills, linking to an even wider range of potential careers.

While still offering progression into the broad Computing Science National 5, the S3 course has been designed to also highlight the specialised NPA options available in S4.

These courses provide the opportunity for learners to focus on a particular area of interest within Computing Science. Currently we offer National Progression Awards (NPA) in: Computer Games Design and Development; Cyber Security; and Web Design.



COMPUTER GAMES DESIGN & DEVELOPMENT

This option looks at the genres, trends and emerging technologies of the computer games industry. This course provides a foundation in techniques that are important to the sector, such as digital planning and design, creation of media assets, and development and testing, while also improving computational thinking skills — an area that is gaining recognition as a vital 21st century competence.

CYBER SECURITY

Paving the way for people and companies towards a secure digital world with Cyber Security. Cyber-attacks are increasing globally, it is time for more Cyber Security. This option provides foundation knowledge and skills in data security, digital forensics and ethical hacking — creating a skills pipeline into the Cyber Security industry.



Design & Technology

In the Design & Technology Department there are 4 subjects that can be undertaken in 3rd year. These are; Practical Woodwork Skills, Design & Manufacture, Graphic Communication and Engineering Science. A brief description of each follows. If you wish to know more, ask your class teacher to see samples of course work/models.

Practical Woodwork Skills

This course will allow pupils to develop practical woodworking skills by making practical projects such as mug trees and clocks. Pupils will develop safe working practices in the workshop environment, an understanding of sustainability issues and practical creativity in the use of hand & machine tools. The course provides the opportunity to develop and enhance practical problem solving skills, working as part of a team, self-confidence as well as planning and organisation of work tasks.



So if you have enjoyed your time in the workshop during first and second year making mini projects and you would like to develop practical woodwork skills that will be of future use, this is the course for you.

This course is studied at National 4 & National 5.

Graphic Communication

This course will introduce the participant to communicating ideas and information through manual and computer generated drawing. Pupils will further develop their manual drawing board skills producing orthographic (two dimensional) and three dimensional drawings, and also graphs & charts. They will be involved in the creation of computer generated drawings, many of which will be rendered to make them more “realistic” including drawings of room plans, buildings and other models of their choice.



If you want a career in Graphic Design, Engineering or Architecture and would like to improve your graphic presentation skills for college or university, then this course will meet your needs.

This course leads to National 4, National 5, Higher and Advanced Higher.

Design & Manufacture

The Design & Manufacture course provides a broad practical experience in both the design of products such as kettles, furniture, vacuum cleaners etc. and the methods used to manufacture them. Pupils will also use graphic communication skills in order to meet design proposals the aforementioned artefacts. An in depth knowledge and understanding of materials, manufacturing processes and practical skills will be the core study for this course.



**CAD/CAM
Milling Machine**

Throughout the course, students will undertake a variety of design projects which are aimed at exploring the philosophy of design through engaging in the practical act of designing products. The student will learn techniques to enable them to effectively communicate their ideas through a variety of media including sketching, computer generated modelling and practical model making.



A proportion of the course will be workshop based where pupils will learn the practical skills necessary to enable them to realise their conceptual design in the form of working prototypes.

This course leads to National 4, National 5, Higher and Advanced Higher.

Engineering Science

Engineering is a broad area of human endeavour (such as oil & gas, renewables, space exploration, medical developments, construction techniques, electronic development and many more), which brings together elements of Technology, Science and Mathematics, then applies these to real world challenges. The course encourages learners to become successful, responsible and creative in the use of technologies that can be used to improve our life style. Technologies such as Programming, Pneumatics, Structures, Energy and Electronics, will be investigated and used to design and problem solve practical everyday issues.

It has been well documented that there is a skills shortage in areas such as energy and the renewables field.



PNEUMATICS IN ACTION

Engineering Science will provide an opportunity for pupils to develop the relevant skills in a work related environment that are desired by these places of employment. If you enjoyed the Engineering Science course that you have already studied in second and would like to learn more, then this is the course for you!

This course leads to National 4, National 5, Higher and Advanced Higher. Engineering Science is an accepted entrance qualification in most Universities.

Drama

Throughout S3, pupils will continue to progress through the experiences and outcomes of CfE Drama, ensuring breadth, depth and challenge of learning.

Drama helps to build confidence, communication and social skills, which are essential throughout life. Drama prepares pupils for future employment by developing their creativity skills in innovation, imagination and intuition. In our current economic climate, creativity is a highly sought-after skill. The purpose of this course is to allow students to develop Drama skills in regards to subject knowledge and understanding whilst gaining skills for learning, life and work.

Pupils who decide to study Drama in S3 will develop the following:

- Be able to respond creatively to a variety of stimuli and express ideas and opinions through drama
- Have the opportunity to lead negotiation and decision-making in-group work
- Be able to work with others to devise, rehearse and refine dramas and scripts
- Explore the use of theatre arts technology to enhance tension, mood and atmosphere in drama
- Be able to demonstrate sensitivity, precision and depth in the portrayal of character
- Be able to confidently convey relationships and situations in a variety of settings to different audiences
- Be able to respond to the experience of drama by discussing thoughts and feelings and give and accept constructive comment on their own and others' work
- Develop analytical skills exploring technical aspects of script work
- Develop self discipline and self motivation allowing pupils to become responsible citizens.

In addition to embracing a Broad General Education, pupils will also be developing knowledge and understanding and skills which will be extended in National levels 4 and 5.

Transferable Skills Development

- Builds confidence
- Develops language and communication skills
- Encourages pupils to collaborate.
- Develops emotional intelligence
- Helps pupils understand the world around them
- Creativity
- Thinking on the Spot
- Drama develops emotional intelligence

Early Learning and Childcare



<p>Purpose of Course</p>	<p>The course will develop the learner’s knowledge and understanding of the importance of the development of children. Introduce learners to the scope of the early learning and childcare sector and the rights of all children. The course will emphasis on skill development and the application of those skills.</p>
<p>Course Outline</p>	<p><u>Child Development – Unit 1</u> This unit is designed to introduce learners to aspects of child development and the key milestones of development from pre-birth to 12 years.</p> <p><u>Care of Children – Unit 2</u> This unit is designed to allow learners to gain a basic understanding of how the needs of children can be met. Learners will be required to plan, demonstrate, and review caring skills that meet these needs.</p> <p><u>Contemporary Families – Unit 3</u> This unit is designed to give learners an awareness and understanding of the range of families in a modern society and the range of skills and values required to meet the needs of children.</p> <p><u>Early Learning and Childcare Research Project</u> Investigate the importance of child development</p>
<p>Employability Skills Developed</p>	<ul style="list-style-type: none"> • Literacy – researching and writing • Initiative & Self-Motivation – taking responsibility/ownership of own work • Teamwork – collaboration and sharing ideas
<p>CfE Level 4 Benchmarks</p>	<ul style="list-style-type: none"> • Having assessed how lifestyle or life stages can impact on people’s nutritional needs, I can explain how these needs are met. HWB 4-32b • I can explore the properties and functionality of items and equipment to establish their suitability for a task at home or in the world work. TCH 4-04a • I can persuade, argue, evaluate, explore issues or express and justify opinions within a convincing line of thought, using relevant supporting details and/or evidence. LIT 4-29a
<p>Progression into Senior Phase</p>	<ul style="list-style-type: none"> • Nat 4/5 Early Learning and Childcare • NPA Social Services (Children and Young People) SCQF Level 6 • Foundation Apprenticeship • BSc Nursing • BA Health and Social Care • BA Early Childcare • BSc (Hons) Food Nutrition and Health • BSc (Hons) Food, Nutrition, Textiles and Education.

English

The S3 English course continues the Broad General Education, in which learners have been working through the Experiences and Outcomes for Reading, Talking and Listening. Learners will continue to develop these skills in both familiar and new contexts, and examine a variety of texts. There will be a focus on key skills for learning, life and work.

Learners will have the opportunity to learn about:

- Scots Language (through the S3 Masterclasses)
- Skills for Work (focus on applications, personal statements, interview technique)
- Scotland in Focus (individual research, leading to a presentation)

Assessment will be continuous, with a through a Folio selection of 2 critical reading pieces (critical essay and textual analysis) and 2 pieces of writing (Creative and Discursive) carried forward to National Qualifications. In addition, there will be Reading for Understanding, Analysis and Evaluation and assignments in Talking & Listening.

Home Learning tasks will involve reading, personal reading, research, preparation for presentation, Reading for Understanding, Analysis and Evaluation, planning, drafting/re-drafting pieces of Writing.

Progression from Broad General Education in English will be to an appropriate S4 course in English at National 3, 4 or 5 (which will also incorporate Literacy at National 3, 4 or 5).

Fashion and Textile Technology

<p>Purpose of Course</p>	<p>Fashion and Textiles develops learners' practical fabric skills as well as their understanding of properties and characteristics of fabrics, contemporary issues within the world of fashion and the use of a variety of equipment and resources.</p>
<p>Course Outline</p>	<p>Throughout the course learners will explore the properties and characteristics of fabrics, construction of fabrics and developments within Textiles.</p> <p>Learners also have the opportunity to develop a range of practical skills. This includes basic sewing machine skills, hand sewing skills, pattern making and reading, and a range of construction techniques.</p> <p>This allows learners to design, plan and construct a range of items including a memory bear, pyjama shorts and an advent calendar.</p>
<p>Employability Skills Developed</p>	<ul style="list-style-type: none"> • Literacy – researching and writing • Numeracy – Measurement • Organisation and Planning – Time management and managing equipment • Initiative and motivation – working independently and resilience • Interpersonal skills – Self-confidence and willingness to accept feedback
<p>CfE Level 4 Benchmarks</p>	<ul style="list-style-type: none"> • TCH 4-04a – exploring the properties and functionality of textiles and equipment to establish their suitability for a task at home or in the world of work. • TCH 4-04b – confidently apply preparation techniques and processes to make textile items using specialist skills, materials, equipment in my place of learning, at home or in the world of work. • TCH 4-04c – Showing creativity and innovation I can design, plan, and produce increasingly complex textile items which satisfy the needs of the user, at home or in the world of work.
<p>Progression into Senior Phase</p>	<ul style="list-style-type: none"> • National 4/5 Fashion and Textiles • Higher Fashion and Textiles • HNC/HND Fashion Business - Dundee and Angus • Foundation in Fashion and Textiles – Glasgow • BA(Hons) Food, Nutrition and Textiles Education – UHI • BA Fashion – Edinburgh



Geography

Geography explores the relationship between the Earth and the people who inhabit it. It studies the physical processes and human interactions at a range of scales from local to global. In S3 pupils investigate a range of topics to enhance their knowledge of the world around them, while also developing skills for the future.

It is ever more apparent in the 21st century that we need to shape the future of our planet. We cannot go on doing what we have always done: sustainability is the key.

Our S3 course covers topics that are relevant in today's society whilst preparing pupils who may wish to go on and study Geography in S4 and beyond.

Topics include:

CSI – Crime Scene Investigation: Pupils will put their map skills to the test in trying to solve a mystery.

Climate Change: We will look at the definition of, the causes of, what can be done about it and how we personally can make a difference.

The Rainforest: It is more than just the destruction of plants and animals – what about the people who live there and how their lives are at risk from major developments.

The River Tay: We see this beautiful majestic river from our classroom window every day, but where does it come from and how does it affect our daily lives?

Hazards: We focus on hurricanes, why they are happening more often and causing more destruction than ever before? Where do they occur and how can people deal with the devastation?

Visiting speakers are a feature of our S3 course, bringing experts to encourage critical thinking and trying to show how Geography relates to the world of work.

Health and Food technology



<p>Purpose of Course</p>	<p>The Course focuses 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 food consumers. Practical, experiential learning and assessment activities allow learners to develop knowledge and understanding, confidence, independence, and self-awareness.</p>
<p>Course Outline</p>	<p>REHIS Elementary Food Hygiene Certificate – Unit 1 is a practical course designed to give individuals a basic knowledge and understanding of the causes of food poisoning, measures for prevention and the legal aspects of food hygiene in Scotland.</p> <p>REHIS Elementary Food and Health Certificate – Unit 2 is a practical course designed to give individuals a basic knowledge and understanding of the relationship between food and health and factors that can have an impact on health.</p> <p>Fakeaways – Unit 3 This unit gives learners a better knowledge and understanding of how unhealthy takeaways can be and gives them the knowledge and skills to create their own Fakeaways dishes to enjoy.</p> <p>Design Brief This unit allows the learners to combine the knowledge, understanding and skills they have learned over the year to complete a design and make project. This includes the learners being issued a brief and creating a food item that is suitable for that brief. The learners will then create and evaluate the food item.</p>
<p>Employability Skills Developed</p>	<ul style="list-style-type: none"> • Literacy and Numeracy – Reading, Writing, Talking, Listening, Note Taking, Researching. • Organisation and Planning – Time Management, Timekeeping, Meeting Deadlines, Managing Equipment, Managing workload. • Imitative & Self-Motivation – Working Independently, taking responsibility/ownership of own work • Interpersonal skills – Communication and Self Confidence • Teamwork – collaboration and sharing ideas
<p>CfE Level 4 Benchmarks</p>	<ul style="list-style-type: none"> • I can explore the properties and functionality of ingredients, textiles and equipment to establish their suitability for a task at home or in the world of work. TCH 4-04a • Showing creativity and innovation I can design, plan and produce increasingly complex food or textile items which satisfy the needs of the user, at home or in the world of work. TCH 4-04c • I can apply my knowledge and understanding of nutrition, current healthy eating advice and the needs of different groups in the community when planning, choosing, cooking and evaluating dishes. HWB 4-31a
<p>Progression into Senior Phase</p>	<ul style="list-style-type: none"> • Higher Health and Food Technology • Advance Higher Health and Food Technology • BSc (Hons) Food Nutrition and Health • BSc (Hons) Food and Consumer Science • BSc (Hons) Food, Nutrition, Textiles and Education.

History

“Those who fail to learn from history are doomed to repeat it”. Winston Churchill

The S3 History course will focus on the theme of Citizenship. In particular, it will encourage our young people to think about how different groups of people have been treated in the past and how that shapes the world we live in today.

Native Americans: This topic gives our young people the opportunity to study the lives of Native Americans. From the Lewis and Clark expedition of 1804 to the Battle of the Little Bighorn in 1876, pupils will learn about a century of conflict between these fascinating people and the American Government.



The Russian Revolution: This topic looks at the Russian Empire between 1894-1921. During that time period, Russia went through huge upheaval. Pupils will learn about Bloody Sunday in 1905, the role of Rasputin and his influence over the Imperial family and the successful revolution of 1917.

Women and the Vote: This topic focuses on the struggle women had in order to gain the vote. It looks at the status of women in 1850, the actions of the Suffragettes and how women's efforts during the First World War changed public opinion to such an extent that they were granted the vote in 1918.



Pupils will be assessed throughout the year using a range of techniques, which are designed to build upon prior skills and prepare pupils for the senior phase in S4.

Pupils will also have the opportunity to take part in the First World War Battlefields Experience to France and Belgium.

Mathematics

The S3 Mathematics course prepares pupils for the transition into the Senior Phase in S4.

Pupils will be working on topics appropriate to their ability and building up skills for the relevant S4 course.

Pupils will learn to

- Apply their numeracy skills in real life contexts
- Increase their algebraic skills
- Use reasoning skills in real life contexts
- Interpret statistical data
- Apply their knowledge of 2 and 3-dimensional shape in real life contexts
- Most pupils will also learn how to use basic trigonometry

Assessments will be in September, December and February and May. Formative assessment will be used as appropriate in the classroom. Pupils should expect regular homework throughout S3.

During S3, pupils will have the opportunity to express a preference for their course in S4. The options are Mathematics (available at National 4 and 5) and Applications of Mathematics (available at National 3, 4 and 5).

Modern Languages



French and German

In S3 you will continue the study of the language you have been learning in S1 and S2. Learning a foreign language is increasingly relevant in our world today as we become more mobile and have increased opportunities to work and study abroad. Post Brexit, it is predicted that European language skills will be in ever increasing demand.

The courses in S3 will offer you opportunities to extend a wide range of language skills and employability skills. In particular you will develop your ability to read, listen, talk and write in your chosen language whilst developing skills required in the world of work.

All pupils will work towards achieving the SQA Award for Modern Languages in Life and Work at level 3 or level 4. This consists of three units :

- Languages for Life
- Languages for Work
- Employability Skills

If completed successfully, this leads to 15 SCQF points being awarded. All assessment in S3 is based around attaining this award.

Completion of the Languages for Life and Work award, in which pupils are encouraged to use detailed language, eases the transition to National 5 courses which are offered in S4. Employability is similarly a key context that is studied at National 5 level.

Spanish



In addition to your study of French and German (**not instead of**), you may start to learn Spanish. The study of Spanish is becoming increasingly popular as links with Spanish and the Spanish speaking world develop.

If you opt for this, you will start to learn the kind of language which you have previously learned in S1/2 French and German. You will also further develop the skills which help you be successful in language learning and can be applied to other areas of learning.

Topics covered will be of use when visiting Spain for leisure or work. You will make rapid progress through a range of topic areas as you will be using your existing language skills. Spanish is a phonetic language and relatively easy to pronounce and spell. You will cover cultural topics as well as language topics.

It is possible to achieve success at National 4 and National 5 in S4 after starting Spanish as a beginner in S3.

Mandarin



In addition to your study of French and German (**not instead of**), you may start to learn Mandarin or build on the knowledge gained if you participated in the S2 IDL Open Doors to China course.

China is increasingly becoming a global economic power which has resulted in a growing demand for Mandarin speakers. Mandarin will be an incredibly useful language in many fields of employment. Additionally, it also offers a valuable language learning experience and gives you a unique selling point.

You will be able to use the skills you have acquired when learning your foreign language in S1 and S2 to help you succeed in mastering Mandarin.

Topics covered will include hobbies, school, food and drink, holidays, home town and shopping. You will also cover cultural topics such as Chinese festivals and traditional cuisine. Furthermore, you will be able to explore differences between your own culture and that of China, thus raising culture awareness.

You will also have the opportunity to work with our partner schools in China.

It is possible to achieve success at National 4 and National 5 in S4 after starting Mandarin as a beginner in S3.

Modern Studies S3 Course Information



S3 Modern Studies consists of investigating different social, political and international issues that affect each and every one of us. As a department we want our pupils to not only study and understand the world and society we live in but be able to build links with and engage with the world around them. We do this by encouraging links between different partner and outside agencies such as working with Pressure Groups, Trade Unions, local Councillors, MSPs and MPs. We regularly use ICT to engage pupils and more information and examples of work, extracurricular activities and department praise can be found on twitter @_GAMS_

The S3 course covers a variety of different topics which are broken down into different themes:

S3 investigation

Pupils will also carry out an investigation where personalisation and choice are key as pupils have free choice on what kind of social, political, or international issue they study. This piece of work builds and embeds the skills for National 4 and 5 .

Democracy: Making a Difference

This unit of work investigates the role of democracy in Scotland the UK and focusses on looking how Pressure Groups fit into democratic society. Pupils investigate the different ethos used Pressure Groups including petitions, protesting and letter writing campaigns. In this unit they use a variety of skills that could transfer into their world of work and later life including researching. Teamwork, communication, and presentation



and
our
by
they
skills.



Social Issues: Inequality - Gender and Race

This unit investigates the issue of inequality in society from the Gender Pay Gap to the “Me Too” movement to the high rates of Male Mental Health Issues. The unit also looks at Race inequality from the BLM movement to Islamophobia in the UK. This unit gives pupils the opportunity to learn the causes and consequences of these issues, while also researching what the Government and other organisations have done to try and reduce the problem of Inequality in the UK and worldwide.

International: USA Gun Crimes and Laws

This unit of work investigates the huge impact that gun culture in the USA has not only in America but around the world. Pupils investigate different gun laws and compare them to the rights and responsibilities we have in Scotland and the UK. Pupils also investigate the impact of these laws by studying different mass shootings and the political gun control debate in the USA. This unit promotes the importance research skills as this topic is ever changing and new examples are available to them constantly.



Music

Performing

Pupils will develop their skills in 2 instruments and perform as part of class ensembles. The pupil will be able to choose their pieces from a bank of music that includes everything from pop/rock to classical. Pupils will work individually and in group setting to build on and extend their performance skills on both instruments.



Composition

Pupils will develop their composition skills over the year in the form of short projects. Each topic will have a project that involves composing instrumental music and songs in groups or individually. Pupils will have access to the very latest composition software used by professionals in fields such as film and TV scoring. There will also be an opportunity to record some of their compositions using recording equipment.



Listening and Understanding Music.

Pupils will learn about many different styles of music including Pop/Rock, Jazz, Blues and World Music. This involves listening to, analysing, and discussing music. They will also have the opportunity to develop and extend their musical literacy skills which will allow them to become more confident and independent performers.



Transferable Skills Development

- Time Management
- Perseverance
- Problem Solving
- Develops Creativity
- Thinking on the Spot
- Patience
- Communication and Collaboration
- Helps pupils cope with stress management
- Builds confidence
- Listening and Analysing

S3 Music Technology Course

This is an exciting new course which offers creative opportunities to learn about music technology – both hardware and software – and its application.

Throughout the course pupils will:

- Develop basic skills in the use of music technology hardware and software to capture and manipulate audio
- Use music technology in sound production
- Develop a basic understanding of significant 20th and 21st century musical styles and genres
- Reflect on your own work and that of others

This is a practical course delivered through the use of I pads, Macs and PCs.



Pupils will have the opportunity to develop their skills through Garageband software. The course also includes elements of listening and research based activities designed to develop understanding of 20th and 21st century musical styles and genres. Practical work will be carried out within a range of technological contexts including sound design for video games/film foley, live recording and multitrack recording.

Transferable Skills Development

- Encourages teamwork
- Develops critical thinking
- Problem solving
- IT skills
- Creative thinking
- Planning and organising
- Listening and Analysing

Physical Education

In S3 students will follow a course in a variety of activities including; volleyball, badminton, water polo, football and handball. Students will bank a National 4 award, which will form the foundation for National 5 Physical Education in S4.

Students will learn:

- * how to improve your performance in a variety of activities.
- * the factors which could have an effect on your performance; physical, social, emotional and mental
- * how to reflect on your performance improve your skill level.

Please note that swimming is an integral part of the course and pupils should not pick this option if they are not prepared to participate in this activity.

Although this course is mainly practical there will be a written element. Students must come prepared with the correct kit for activities. White top, dark bottoms and clean sports shoes for indoor PE and appropriate swim wear for water polo.



Dance with Aesthetics

The S3 course is a practical based course, which allows students to experience dance, gymnastics and trampolining. Students will bank a National 4 NPA award, this will help form a foundation for National 5 Physical Education through Aesthetics in S4.

The dance aspect of the course provides an opportunity for students to achieve a national progression Award (NPA) at level 4. Students will experience a variety of different styles including modern/street, contemporary and Scottish. Students will develop their skills by learning new dance techniques and routines, as well as choreographing their own. In the choreography element, students will work co-operatively in small groups to produce dances using different choreographic devices and structures.

The gymnastic and trampolining aspect of the course will enable pupils to develop key skills to help create a short routine in each activity. Students will develop their performance skills and confidence by regularly performing with and in front of their peers in all activities. They will also get the opportunity to analyse and develop their individual and group performances using video feedback.



Personal Development Programme

This course offers learners opportunities to develop a range of skills for learning, life and work. The programme includes the promotion of health and well-being, self-esteem and working with others and enables learners to work towards achieving a range of accreditation. Learners undertaking this programme could progress to relevant employability award programmes in S4.

Football

Pupils will participate in various sporting activities and work on developing leadership and team building skills. An opportunity to also work with the feeder primary schools and use skills learned in a practical setting. Pupils will also work towards various sport coaching qualifications and possible progression into the senior Grove Coaching Academy.

PHYSICS

Physics is the branch of science that deals with matter, energy and the interaction between them. Through experiments and mathematical analysis, physicists work to understand how the universe behaves and the reasons behind these behaviours. The answers to such questions can lead to technological improvements which benefit the lives of everyone.

Studying Physics not only allows us to answer fundamental questions about our world, but also opens several STEM career paths which are becoming increasingly important in our future workforce. These include working in sectors such as health, engineering, energy, computing and astronomy.

The physics course is divided into three units at CfE level 4 and N5 Waves unit.

- **Unit 1 – Electricity and magnetism.**

In this unit you will learn about circuit symbols; current and voltages in series and parallel circuits; resistance; input devices; output devices; logic gates; magnets; electromagnets and their practical applications; supermagnets.

- **Unit 2 – Force and motion.**

In this unit you will learn about average speed; instantaneous speed; acceleration; speed-time graphs; forces; mass; weight; density; Newton's Laws; pressure; gas laws.

- **Unit 3 – Sound and space.**

In this unit you will learn about sound waves; ultrasound; sound levels and basic sound engineering; telescopes; line spectra; exploration of the solar system and technologies arising from space exploration.


- **N5 Waves unit.**

In this unit you will learn about wave parameters and behaviours; electromagnetic spectrum; refraction of light.

For each unit pupils will complete a Practical Investigation and an assessment.

Progression from S3: National 4/5 Physics is available to study in S4.

Practical Cookery

Purpose of Course	<p>This Course aims to develop learners' life skills and enhance their personal development while cooking and preparing dishes. In preparing learners for life, it is important for learners 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>	
Course Outline	<p>REHIS Elementary Food Hygiene Certificate – Unit 1 is a practical course designed to give individuals a basic knowledge and understanding of the causes of food poisoning, measures for prevention and the legal aspects of food hygiene in Scotland.</p> <p>Cake Decoration – Unit 2 In this unit the learners will develop their practical, technical, and creative skills in cake baking and cake decoration. The learners will learn basic cake decoration skills while allowing the learners to be creative when designing and creating their finished cakes.</p> <p>Working in Hospitality Industry – Unit 3 This unit is designed to introduce learners to the different roles and jobs that are in the Hospitality sector and the skills and responsibilities these roles entail.</p> <p>Planning an Event In this unit learners will gain experience and understanding of the steps that would be included in planning an event. The pupils will be issued a brief and will then plan an event based on their brief. This unit will incorporate all the skills that the learners have learned over the course of the year.</p>	
Employability Skills Developed	<ul style="list-style-type: none"> • Literacy and Numeracy – Reading, Writing, Talking, Listening, Note Taking, Researching. • Organisation and Planning – Time Management, Timekeeping, Meeting Deadlines, Managing Equipment, Managing workload. • Imitative & Self-Motivation – Working Independently, taking responsibility/ownership of own work • Interpersonal skills – Communication and Self Confidence • Teamwork – collaboration and sharing ideas 	
CfE Level 4 Benchmarks	<ul style="list-style-type: none"> • I can confidently apply preparation techniques and processes to make food using specialist skills, materials, equipment in my place of learning, at home or in the world of work. TCH 4-04b • Showing creativity and innovation I can design, plan and produce increasingly complex food which satisfy the needs of the user, at home or in the world of work. TCH 4-04c • Having explored the conditions for bacterial growth, I can use this knowledge to inform my practice and control food safety risks. HWB 4-33a 	
Progression into Senior Phase	<ul style="list-style-type: none"> • National 5 Practical Cookery • HNC Hospitality Operations • HND Hospitality Management • NHC Professional Cookery • HND Professional Cookery • Modern Apprenticeship • BSc (Hons) Food Nutrition and Health • BSc (Hons) Food and Consumer Science • BSc (Hons) Food, Nutrition, Textiles and Education. 	

RMPE

The purpose of the course is to gain knowledge and understanding of religious, moral and philosophical issues that affect the world today, especially in Scotland, and to develop critical thinking skills through investigating questions raised and responses offered. Learners will have opportunities to reflect on issues and viewpoints and will develop skills to help them explain their own values in a respectful and creative manner.

The course aims:

- to investigate and explain key religious sources and beliefs evident in Scotland
- to reflect upon and explain religious responses to moral issues and how they challenge society
- to investigate and reflect on religious traditions, practices and customs within Scotland's diverse religious and cultural make up
- to understand values and their moral application
- to respect the beliefs and values of others

The course means to do this through the teaching of the following units:

- **Belief Unit** Through this unit learners will develop an understanding of fundamental beliefs held by a range of beliefs, such as Christian denominations, other world religions and those who hold views independent of religious belief.
- **Values Unit** This unit is designed so that learners can use the information they have gathered from the beliefs unit and can apply their learning of religion to learn from religion. They will consider various moral questions and they will evaluate different responses from a variety of opinions. Learners will use a range of sources and employ their critical thinking skills to evaluate and reflect so as to develop their respect for others and to consider their own viewpoints.
- **Scottish Unit** This unit aims to offer learners an opportunity to see the impact of religion in the historical and contemporary lives of the people living in Scotland. Drawing on the learning from the Belief and Values units, learners will search for and evaluate the meaning, value and the purpose in these responses for society and themselves.

SQA Personal Development Award - SCQF Level 3

Our Personal Development programme provides an opportunity for young people to try new activities, work with others, boost their confidence and gain an SQA award at Level 3. Experiential learning is at the heart of the course as is direct engagement with the local and wider community. This course provides opportunities to develop a wide range of employability skills throughout completion of three mandatory units. The units are;

Self in Community
Self and Work
Practical Abilities

This course is particularly suitable for pupils who are looking for an alternative to highly academic based subjects and is very practical in nature. Pupils are required to complete folios for each unit containing evidence of the tasks they have achieved.

Entry Requirements

All applicants will be interviewed prior to acceptance on the course to ensure suitability and commitment.