



3rd Year Handbook

2023 – 2024

Contents

GUIDE TO SUBJECT CHOICE IN S3	3
Things to think about when choosing subjects.	5
S3 CURRICULUM 2023-2024.....	6
Art and Design	7
Biology	8
Business Management And Administration & IT	9
Chemistry.....	10
Computing	11
Design & Manufacture	12
Engineering Science.....	13
Graphic Communication.....	14
English.....	15
Geography	16
History	17
Home Economics	18
Mathematics.....	19
Modern Languages	20
Modern Studies	21
Music	22
Music Technology.....	23
Physical Education	24
Physics	25

GUIDE TO SUBJECT CHOICE IN S3

Junior Phase (S1 – S3)

In your first two years at secondary school you have followed a common curriculum which is part of a broad general education. You have been introduced to all subject departments in the school. The curriculum you have been following has been designed to cover seven main areas.

Mathematics	
Languages	(English and Modern Language)
Health/Wellbeing	(RE, PE, PSE)
Science	
Social Studies	(History, Geography and Modern Studies)
Creative and Expressive Arts	(Art & Design, and Music)
Technologies	(ICT – Computing and Business Studies, Home Economics, CDT – Craft, Design and Technology)

The broad general education continues into your 3rd year at Secondary. All pupils will continue to study

Mathematics	English
Health/ Well Being	RE, PSE, Core PE

However, you will be given a choice of which subjects you wish to study in the following areas:

Sciences:	Biology, Chemistry, Physics
Social Studies:	History, Geography, Modern Studies
Creative and Expressive Arts:	Art & Design, Music, PE, Music Technology
Technologies:	Home Economics, Business and Admin, Computing, Design and Manufacture, Engineering Science

This handbook has been prepared to provide information and to help you decide which subjects you should study in S3 to prepare you for your National Qualifications in S4-6. To help you arrive at the best choice of subjects you will have the help of your parent(s)/guardian and your teachers.

This booklet should help you have a better understanding of each subject. At the end of S3 you will decide the subjects you intend to take forward from S3 and study in S4 and beyond.

In S3 homework is very important. Your homework has to be well organised, planned carefully and regularly given. It is your responsibility to complete it and hand it in on time. Some coursework will also be provided online via Microsoft Teams when appropriate. Pupils access this via their Glow. Any pupil who needs a laptop has or can be issued with one.

In this final stage of your broad general education you have the opportunity to choose subjects, to plan and be organised and to get involved in other school activities.

It is also a period in which you will be faced with more responsibilities as a more senior member of our school community.

The courses you choose, the work habits you establish, in and out of school will give you a firm foundation on which to build for the Senior Phase, your life and your career when you leave school.

Mrs T Little
Head Teacher

Things to think about when choosing subjects.

It really is important you think seriously about the subjects you choose. Once you start Third Year you really shouldn't change them and these are the subjects you will take through and develop in the Senior Phase.

What should you think about?

What are you good at?

What do you like doing?

If you know what you want to do when you leave school, what qualifications do you need?

When you have made your choices reflect and ask yourself?

Are these really the subjects that you like?

Did you pick them because you like the teacher? Will you get that teacher next year? You may not!

You think there will not be a lot of homework.

Your friend is doing it.

Remember, at the end of the day it is you who has to do the work and the exams. It will be easier if you like the subject and are interested in it. It is also worth remembering that some of you will follow careers not yet invented!

When choosing your subjects remember to pick a range of subjects. To help you do this you have to choose six subjects in addition to your 'core' subjects and these should include subjects that cover Technology and Creative and Aesthetic Studies.

If you have any doubts or questions ask your Guidance Teacher, Year Head or the Careers Officer. Also talk to subject teachers to find out what is in S3 courses.

St PAUL'S R.C. ACADEMY
S3 CURRICULUM 2023-2024

Name..... Class..... D.O.B..... Guidance Teacher.....

Intended Destination_____

English, Maths, RME Core, Core PE and PSE are compulsory subjects in S3. Please ensure you have 6 selections made when this form is completed.

Select 1 Science from BIOLOGY CHEMISTRY PHYSICS	My selection 1:	Select 1 from the following BIOLOGY CHEMISTRY PHYSICS	My selection 5:
Select 1 Social subject from HISTORY GEOGRAPHY MODERN STUDIES	My selection 2:	HISTORY GEOGRAPHY MODERN STUDIES	My selection 6:
Select 1 Creative and Expressive from ART & DESIGN MUSIC P.E. ELECTIVE MUSIC TECHNOLOGY	My selection 3:	ART & DESIGN MUSIC MUSIC TECHNOLOGY P.E. ELECTIVE	
Select 1 Technological subject from DESIGN AND MANUFACTURE ENGINEERING SCIENCE ADMIN & BUSINESS COMPUTING SCIENCE HOME ECONOMICS	My selection 4:	DESIGN AND MANUFACTURE ENGINEERING SCIENCE ADMIN & BUSINESS COMPUTING SCIENCE HOME ECONOMICS FRENCH GERMAN SPANISH	

Parent/Guardian's Signature of Approval.....

Date

Art and Design

S3 Curriculum - 3 periods a week

Why Study Art and Design in S3

Do you enjoy working with creative materials and using your imagination? Do you want to learn to use a wide range of techniques with paper, clay, and fabrics, or perhaps you like to sit quietly and do some drawing and painting using a wide variety of excellent materials? You might even be interested in computer graphics or in editing your own photographs.

If the answer is "yes" to this little taster of all the exciting possibilities, come to the Art and Design department in S3. You should seriously consider choosing this very enjoyable and rewarding subject.

What will you learn?

Pupils will complete two short courses in S3 Art and Design, which will give them a taster of the main elements of the S4, S5 and S6 courses. Pupils will

- Complete a small Design unit, looking at, and working with the methods of a real designer.
- Produce a small Expressive Unit (drawing, painting etc.)

Look at the work and methods of contemporary and historical artists.

Pupils will explore:

- a wide range of two- and three-dimensional materials,
- using the computer as a design tool,
- using photography to help with composition.
- create, express, and communicate ideas.

Progression: What next?

Pupils will be able to progress to National 4 or National 5, based on ability. This can then lead to studying Higher Art and Design, Higher Photography and S6 Advanced Higher.

Pupils who have a flair for and an interest in this subject may find it useful when choosing a career in Fashion, Photography, Product Design, Architecture, and many more careers in the creative industries.

Biology

S3 Curriculum - 3 periods a week

Why study Biology in S3?

Biology really is an amazing subject. How many times do you hear Biology topics mentioned in the news? Which other subject gives you the chance to find out more about what keeps us alive and the importance of other animals, plants and the environment around us?

Biology can be studied along with Chemistry or Physics. It can lead to a variety of career options, such as Sports Science, Medicine, Environmental Science, Physiotherapy and Biomedical Sciences. Even if you decide not to continue with Biology at a higher level, the skills you will learn can be applied to almost any degree or career choice.

Topics you will cover include:

Nature Detectives

Biological Helpers

Body Balance

From Egg to Adult

Fit 'N' Healthy

How will you learn?

By developing knowledge and understanding of science concepts; using inquiry, investigation and practical techniques you will develop skills for learning, life and work.

Progression in Biology

Level 3/4 --National 4/5—Higher

Courses offered in the Business Studies Department in Senior Phase

- National 3, 4, 5 & Higher Administration & IT
- National 3 & 4 Business; National 5, Higher & Advanced Higher Business Management
- SCQF Level 5 National Progression Award in Business & Information Technology
- Advanced Higher Business Management (Campus)
- SCQF level 4, 5 & 6 Personal Development (S5/6)
- National Progression Award (Level 5 & 6) in Business with Administration



	Administration and IT	Business & Business Management
Skills for life, work and learning	Administration & IT skills have a wide application not only in employment but also in other walks of life. Admin & IT provides a variety of job opportunities in both the private and public sectors. The skills learned can be used throughout your life – be it to create that college report, writing a job application or working out the household budget. Being IT-literate is now a must in today's society.	Enterprising ideas and attitudes are at the heart of this course. We all rely on businesses and entrepreneurs to create wealth, prosperity, jobs and choices. Business Management develops learners' understanding of the way in which businesses operate in the current dynamic, changing, competitive and economic environments, and to encourage enterprising attitudes.
S3Course content	<ul style="list-style-type: none"> • IT Solutions – creating a range of professional business documents for your own business using word-processing, spreadsheets & databases applications • Administrative Practices – investigate and present findings on recruitment, customer service, health & safety and security 	<ul style="list-style-type: none"> • Marketing – investigate the different aspects of the Marketing Mix including product development, pricing and promotional strategies • St Paul's Real Business Challenge – creating your own juice brand using skills learned in Home Economics and CDT – present your ideas to a panel of business judges – there are prizes and a trophy for the winning team
What to expect	<ul style="list-style-type: none"> • A variety of stimulating individual/paired/group tasks – a practical application of business theory • Problem-solving and presentation skills encouraged and developed – decisions are made by pupils • Use of a wide range of ICT to present work – pupils have a choice over the software they use 	

Chemistry

S3 Curriculum - 3 periods a week

Why study Chemistry?

Everything you see, touch, feel, smell and even hear IS chemistry, all the technology you handle - and not forgetting the transferable skills eg the practical, the numerical, literacy, artistic – these are all very employable and hopefully enjoyable!

What you will learn in S3 *Level 4 leading onto the National 4 / 5*

Level 4 includes:

Properties and uses of Substances- The foundations of chemistry – reactions, identifications of chemicals, predictions of possible structures

Earth's Materials - This explores Earth's resources, how and why we use them. Not only will this include looking at fossil fuels and alternative sources of energy but also the overall picture of society's needs, risks and benefits of differing energy sources.

Materials and Chemical Changes – metals, the ores, extraction and uses from jewellery to batteries

Controlling chemical reactions- from the very slow to the explosion (that will be a SMALL demo!)

Investigating novel materials – not what they do but also how it happens as well as looking into their discoveries as well as advantages and disadvantages.

How will you learn?

The course will rely on experiments, problem solving activities, projects and a variety of presentations as well as the traditional method

You will also be involved in cross curricular areas such as numeracy, citizenship and, of course, analysing, carrying out your ideas and evaluating them to improve your project.

Please be aware that this course will become more closely aligned with the National 4/5 outcomes

Progression from Level 4

National 4/5 → Higher → Advanced Higher

but as with **all science qualifications** → the outside world for a whole host of jobs from Accountancy to Zoology

Computing

S3 Curriculum – 3 periods a week

Why study Computing Science in S3?

You will study -

- **Programming** - using Python you will develop your problem solving skills to solve various challenges.
- **Multimedia** - you will use a variety of applications to enhance your multimedia skills including keyframe, stopframe, 2D and 3D animation.
- **Databases** - you will investigate and create a variety of databases which will show you how global companies such as Facebook and Amazon store your data.
- **Websites** - you will study existing websites and create your own website using HTML, CSS and JavaScript.
- **Computer Systems** - you will delve inside a computer to see how it works and how data is stored.
- **Cyber Security** - you will enhance your knowledge of the Internet, learning about routers, hacking, viruses, firewalls, passwords, phishing and social networking.

How will you learn?

Using the computers to create programs, digital media, databases, web pages and carry out investigations and present findings

Group work and paired tasks

Visits and outside speakers

Regular homework to consolidate knowledge

Progression

NPA Computer Games Development Level 4/5/6 - This practical course takes pupils through the process of designing, coding and testing their own computer game. The NPA in Computer Games Development introduces learners to skills that are important in the Computer Games industry.

NPA Digital Media Level 4/5/6- This practical course allows pupils to learn the fundamentals of digital media production including, Digital Audio, Digital Still Images and Moving Images.

NPA courses are assessed through coursework tasks/portfolios and online tests - there is no external written exam.

Design & Manufacture

S3 Curriculum – 3 periods a week

Why study Design and Manufacture in S3?

Design and Manufacture courses aim to develop skills that can be seen in entrepreneurs from Dragon's Den to professional designers and craftspeople in industry. Pupils will spend part of their time designing products but will also manufacture a range of items from wood, metal and plastic.

Employment opportunities related to Design and Manufacture are: ***Product Designer, Furniture Designer, Plumber, Joiner***

What will you learn?

Pupils selecting Design and Manufacture in S3 will design and make a series of items in wood, metal and plastic.

How will you learn?

Pupils will undertake graphic work in the form of pencil sketching as well as the use of CAD (Computer Aided Design) software such as Google SketchUp and Autodesk Inventor.

Practical work will follow in the workshop where pupils will develop their skills in joining, shaping and finishing a range of materials. Knowledge and understanding of design, materials and processes will be built upon as the course progresses.

Progression

National 4/5 courses in Design and Manufacture, and Practical Woodworking/Metalworking. All of these courses lead on to relevant courses at university and college.

Engineering Science

S3 Curriculum – 3 periods a week

Why study Engineering Science in S3?

Engineering Science focuses on active learning in electronics, computer programming, pneumatics (use of compressed air), and mechanical systems (gears, pulleys etc). In the real world this could lead on to employment in Civil, Mechanical or Electrical Engineering amongst others. The imminent establishment of Dundee as a major manufacturer of renewable energy systems, such as off shore wind energy, will open up many opportunities in this area.

Further employment opportunities related to Engineering Science are: Civil Engineering, Computer Programming, Electrical Engineering, Environmental Engineering

What will you learn?

Pupils selecting Engineering Science in S3 will learn about electronics, computer control, pneumatics, mechanisms, structures and energy systems.

How will you learn?

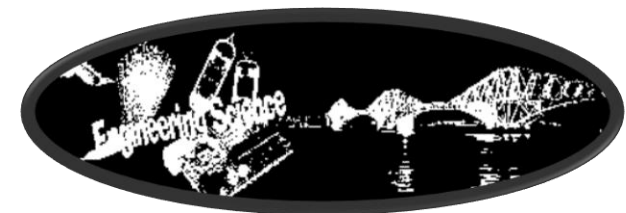
The series of topics listed above are taught via the use of computer simulation and physical modelling.

Pupils complete a set of topic based workbooks as they progress through the course and have the opportunity to bring all of their learning together at the end in a final project.

Many parts of this course require pupils to work through calculations so a reasonably strong background in maths is beneficial.

Progression

National 4/5 courses and Higher courses in Engineering Science. These courses lead on to relevant courses at university and college.



Graphic Communication

S3 Curriculum – 3 periods a week

Why study Graphic Communication in S3?

Graphic Communication courses aim to develop skills where pupils work through a series of tasks to produce a variety of graphics for buildings, products, graphs and adverts.

Employment opportunities related to Graphic Communication are: Advertising, Animation, Architecture, Fashion & Textiles, Film, TV & Stage, Graphic Design, Interior Design, Multimedia Design, Packaging, Printing & publishing, Product Design, Video Game Design, Web Design.

What will you learn?

Pupils selecting Graphic Communication in S3 will use computer software to produce production drawings and promotional work. Traditional pen and pencil techniques are still used, mainly in the planning stages.

How will you learn?

A variety of pencils and marker pens will be used to create graphics for the representation of products in their initial stages of development. CAD (Computer Aided Design) and DTP (Desk Top Publishing) will be used to create the graphics for production and promotional work. Knowledge and understanding of graphic communication terminology will be built via the use of textbooks and worksheets.

Progression

National 4/5 courses and Higher courses in Graphic Communication. These lead on to relevant courses at university and college.

English

S3 Curriculum – 5 periods a week

Why study English in S3?

- To improve your Communication and Literacy skills
- To develop your creativity
- To explore the richness and diversity of language and literature
- To develop your critical thinking skills
- To develop an understanding of Scottish culture and that of other countries
- To prepare you for life and the world of work

What will you learn?

- How to improve your Reading, Writing, Listening and Talking Skills
- How to analyse and evaluate fiction, non-fiction and media and digital texts

How will you learn?

- Through active learning and by working independently and with others
- By studying and creating a range of texts including: novels; short stories, poems; reports, newspapers; films; graphic novels; posters and digital media by building on the progress you've made already by setting targets for improvement

Progression:

National Qualifications (depending on progress made) at:

- National 3
- National 4
- National 5



Geography

S3 Curriculum – 3 periods a week

Why study Geography in S3?

- Pupils will explore many issues focusing on their knowledge and understanding of people, the places they live and the environment. They will study a variety of case studies from many parts of the Globe including their local area and Rural/Urban Environments.
- They will develop their Mapping, ICT, Literacy and Numeracy skills across all units with an emphasis on Health and Wellbeing.
- Pupils will learn to make links with current events in order to further their understanding and interest in Geography as a subject.
- They will build on their learning from S1-S2 Social Subjects and make appropriate links across departments where possible.
- Pupils will make use of the expertise of Visiting Speakers and will venture out into the local area to bring their classroom learning to life.

What will you learn?

Global Issues – ‘Violent Volcanoes’, ‘Climate Change’, Physical Geography – ‘Waterworld’, Human Geography – Population Change & Japan

How will you learn?

Pupils will be encouraged to develop:

- ❖ ☐ Independent thinking
- ❖ ☐ Leadership
- ❖ ☐ Research skills
- ❖ ☐ Presentation skills
- ❖ ☐ Creativity and imagination
- ❖ ☐ Group work/pair work
- ❖ ☐ Active Learning skills
- ❖ ☐ Individual talents
- ❖ ☐ Confidence



Progression

Pupils can continue into S4 following the National 3/4/5 curriculum with the possibility of studying Higher Geography in the future. Can also lead on to N4/N5 Travel and Tourism in S4 onwards.

KU and skills developed in Geography can be transferred to other Social Subjects and vice versa.

History

S3 Curriculum – 3 periods a week

Why study History in S3?

You will develop

- your understanding of the world by learning about other people and their values, in different times, places and circumstances.
- your understanding of and respect for the values, beliefs and cultures of others.
- an openness to new thinking and ideas and develop a sense of responsibility and an understanding of global citizenship.
- your investigative, creative and critical thinking skills.
- your literacy and numeracy skills.
- skills valued by employers and also key skills for success in enterprise.

History will contribute to your understanding of the society in which you live and work by helping you to understand the forces which have shaped the world today.

What will you learn?

Topic 1: Free at Last? – Civil Rights in the USA

Topic 2: Mary Queen of Scots – murder and mayhem

How will you learn?

As has been the case in S1 and S2, your learning experience will be as active as possible. We want you to play a key role in your learning.

In class you will have opportunities to:

- Work in groups on given tasks/challenges
- Present your work to the class in various formats
- Work in pairs
- Use ICT appropriately
- Work independently
- Have fun and enjoy learning!

Progression

Pupils' who study History in S3 can continue to study the subject in S4 at one of the following levels:

National 3

National 4

National 5



Home Economics

S3 Curriculum - 3 periods a week

Why study Home Economics in S3?

Home Economics provides opportunities for boys and girls to develop skills that are important in life after school. Home Economics encourages pupils to make informed decisions and also promotes literacy, numeracy, health and wellbeing and communication skills.

Please note: Parents and pupils must be aware that in order to achieve all learning outcomes pupils must participate in all practical cookery/textile workshops.

Pupils must bring a suitable food container to practical cookery lessons and must have nails with no varnish/gel/acrylic.

What will you learn?

- Practical cookery skills
- Textile skills
- Food technology
- Diet and health
- Consumer issues
- REHIS food hygiene certificate
- REHIS food and health certificate
- Childcare

How will you learn?

Through:

- Practical cookery workshops
- Textile workshops
- Food technology workshops
- ICT activities
- Interdisciplinary learning projects done within technology subjects
- Investigative work e.g. design and make
- Active learning/formative assessment strategies

Progression

National 3 – Practical Cookery, Health & Food Technology,
Fashion & Textile Technology

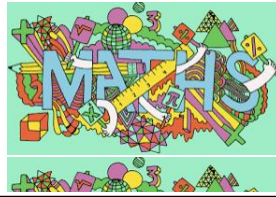
National 4 – Practical Cookery, Health & Food Technology,
Fashion & Textile Technology, Early Learning and Childcare

National 5 – Practical Cookery, Practical Cake Craft, Health & Food Technology, Fashion & Textile Technology, Early Learning and Childcare, NPA Level 5
Barista Skills unit, NC Level 5 Bakery.

Higher – Health & Food Technology, Fashion & Textile Technology, NPA Level 6 Social Services (Children and Young People)

Mathematics

S3 Curriculum - 5 periods a week



Why study Maths in S3?

Maths is everywhere in our lives. Many jobs require skills taught in maths. E.g., Builders, Plumbers, Accountants, Shop managers, Doctors, Bankers, Nurses, Hairdressers, Engineers...

Maths courses also teach you valuable life skills for when you leave school. These range from the obvious time calculations to being able to work out your wages and keep track on your finances.

What will you learn?

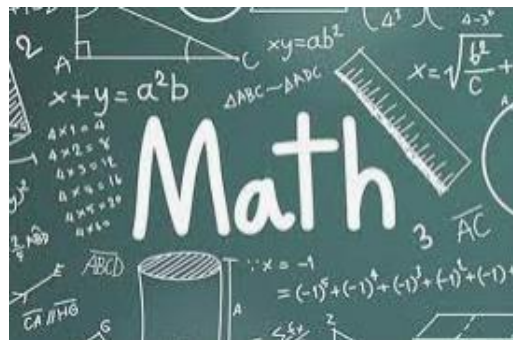
Depending on the level - Further Numerical /Arithmetic skills, Further Algebra, Pythagoras, Problem Solving, Trigonometry, Simultaneous Equations, Standard Form, Statistics and many more.

How will you learn?

You will be placed into classes with pupils of similar ability where you will continue to study CfE Level 2, 3 or 4.

You will be given the opportunity to:

- Work independently
- Work in pairs and groups
- Research and present topics
- Evaluate your own progress
- Evaluate how you learn best
- Discuss strategies
- Complete practical tasks



Progression

Depending on progress made:
National 3/4/5

Modern Languages

S3 Curriculum – 3 periods a week

Why Learn a Foreign Language (French/German/Spanish)?

Learning a language is an interesting way to find out about the world around you. It enables learners to make connections with different people and their cultures and to play a fuller part as global citizens. It is becoming more important that as many people as possible can get by in a foreign language, as more and more people travel in Europe and throughout the world and businesses expand and make contacts abroad.

It is not true that all foreigners speak English. As well as being an interesting and rewarding course, a certification in a foreign language is a usable skill for a school leaver. You would already know enough language to cope quite well in a foreign country.

What Will I Learn?

The courses on offer in S3 and S4 cater for a wide range of pupils. You may choose to continue with French or start afresh with German or Spanish. You may even choose to do two languages as separate options e.g. French & German, French & Spanish or German & Spanish. You will continue to build on the skills you have already developed, increase your confidence in the language and extend your knowledge about language and different cultures.

You will continue to listen and talk, read and write in the foreign language. You will listen to and take part in more detailed conversations to exchange information, experiences and feelings. In addition, you will write more extensively over a widening range of topics, expressing feelings and opinion.

You will explore themes such as Leisure, T.V & Cinema (incorporating a Film Unit) and Tourism.

How Will I Learn?

You will have the opportunity to work independently, in pairs and in groups working with a variety of materials such as DVDs, text books, laptops and computer programmes.

Progression:

National 3, National 4 and National 5, Higher, Advanced Higher

bienvenidos
欢迎 **bienvenue**
benvenuto
مرحبا بكم
willkommen *salve*

Modern Studies

S3 Curriculum – 3 periods a week

Why study Modern Studies in S3?

You will develop:

- your understanding of the principles of democracy and citizenship through experience of critical and independent thinking and explore and evaluate different types of sources and evidence
- the skills to investigate a social issue by gathering information and assessing its impact, and the attitudes of the people affected.
- Skills to evaluate the role of the media in a democracy, assess its importance in informing and influencing citizens, and explain decisions made by those in power.

What will you learn?

Topic 1: Terrorism

Topic 2: Social Inequality

How will you learn?

Pupils will continue to engage in active learning activities such as:

- Think, pair, share
- Group/Individual presentations
- Outside speakers (Police, Reporter)
- Field Trips (court room, prison)
- ICT activities
- Group discussions
- Debates
- Independent research

Progression:

Pupils who study Modern Studies in S3 can continue to study the subject in S4 at one of the following levels:

National 4

National 5

Higher

Criminology Level 5/6

Higher Politics

Music

S3 Curriculum - 3 periods a week

Why study Music in S3?

Students who take Music in S3 will continue to perform on two different instruments, compose music, listen to and learn about music of different styles and develop skills in music technology. Students will select suitable music for performance, with help from their teacher and they will practise and perform their pieces to different audiences throughout the year. There will also be an opportunity to create music in a variety of different styles, for instruments of students' choice and to demonstrate IT skills through the use of music software (e.g. Sibelius, Mixcraft). Pupils will also develop a variety of skills including communication skills, confidence, independent working and performing skills.

What will you learn?

- Performing on two instruments of your choice
- Composing
- You will listen to a variety of styles of music – S3 units include Instruments of the Orchestra, Blues and Jazz and Scottish Music.
- Music technology skills
- Music literacy

How will you learn?

In class you will have the opportunity to:

- Work in groups
- Develop your skills independently on your two chosen instruments
- Use ICT for classwork, composition and short music technology tasks
- Complete research tasks about different styles of music and composers

Progression

Pupils will be able to progress to National 4 or National 5 Music Performing, based on ability. This can then lead to studying Higher Music Performing and Advanced Higher Music in S6.

Music is valued by employers, colleges and universities. It gives students the opportunity to gain confidence, work as part of a team, develop communication and leadership skills and use their creativity. Further study and career pathways include performing arts, medicine, sound production, education, music therapy and anything that involves working with others.



Music Technology

S3 Curriculum - 3 periods a week

Why study Music Technology in S3?

Do you enjoy listening to music? Do you enjoy playing computer games? Do you enjoy watching movies and TV? Do you listen to radio?

Have you ever wondered how the music, audio and sound effects are recorded and put together? If so this is the course for you!

The music technology course will allow you to gain skills in recording, editing and mixing of audio which are key in sound production.

It will also give you an understanding of how technology affected the sound of music and different genres over the years.

This course aims to build on the work completed during the S2 Music Technology electives whilst also developing the required skills for progression into National 4/5 Music Technology in S4. Students who take Music Technology in S3 will become familiar with the software 'Mixcraft' and learn how to edit and record sounds and instruments using microphones.



What will you learn?

- How to set up microphones to record voice, instruments and sound
- How to edit and manipulate sounds on Mixcraft
- You will listen to a variety of styles of 20th and 21st century music and identifying concepts
- Music literacy
- You will learn about technological developments and how these affected/influenced the sound of Rock, Jazz, Blues and Disco music. You will listen to music, research these genres and create a radio show with some of your favourite songs in the styles mentioned.
- You will create an audiobook
- You will create a film foley clip

How will you learn?

In class you will have the opportunity to:

- Work in groups
- Develop your skills on Mixcraft
- Complete a log of your progress

Progression

Pupils will be able to progress to National 4 or National 5 Music Technology, based on ability. This can then lead to studying Higher Music Technology in S5 or S6.

Music is valued by employers, colleges and universities. It gives students the opportunity to gain confidence, work as part of a team, develop communication and leadership skills and use their creativity. Further study and career pathways include performing arts, medicine, sound production, education, music therapy and anything that involves working with others.

Physical Education

S3 Curriculum - 3 periods a week

Why study PE in S3?

- To improve performance
- To further develop skills and techniques
- To experience the enjoyment of competition
- To develop self-esteem and to understand the importance of improving aspects of fitness to enhance performance

What courses are available?

- PE Elective

Swimming is compulsory in PE Elective and all pupils must swim and participate in every activity.

What will you learn?

- To improve performance by developing skills and techniques across various different activities.
- Identify individual and group strengths and weaknesses through participation.
- Develop an understanding of leadership and coaching skills.

How will you learn?

- Through Performance and Practical Experience
- Working independently and as part of a group.
- Through video analysis.
- By creating, designing, leading and organising.
- Theoretical Analysis in the classroom

Progression

Pupils who work hard will be able to study

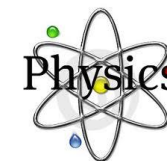
- National 4 Physical Education
- National 5 Physical Education
- Higher Physical Education

Leading on to Sport and Dance Related Study in Colleges/ Universities



Physics

S3 Curriculum - 3 periods a week



Why study Physics in S3?

Physics is the study of energy and matter. Physics tries to explain the world around us; why things fall when they are dropped, why you can walk on ice but not on water, how sound can be produced and manipulated, how mobile phones work, how TV signals are received from a satellite 1000s of kilometres away in outer space, how we get power to our homes, how CT scanners work, what everything is made of and even how the Universe began.

If you want to understand the answer to any of these questions (or many others) then Physics is the subject for you!

An understanding of Physics is a gateway to careers including Engineering, Information Technology, Medicine, Dentistry, Pharmacy, Veterinary Science, Architecture, Accountancy, Car Mechanics, Nursing, Aviation, Computer Game Designer, Computer science, Electronics, Astronomy, Astrophysics, and many others!

What will you learn?

By choosing to study Physics in S3, you will find out about the following areas of Physics:

- Waves and Radiation - What a Racket! and The Electromagnetic Spectrum
- Electricity and Energy - Energy Matters; Electrical Circuits; Electronic Components
- Dynamics and Space - What's the Attraction; Transport; Is There Anybody Out There?

How will you learn?

Like all the sciences, Physics is a practical subject where you will do experiments to help you make sense of the world. This will usually involve you working in pairs or groups to plan and carry out your practical work. You will develop your skills in analysing data, making sense of evidence, and communicating a coherent explanation to others, either individually or working as part of a team. As well as practical work you will explore the subject through a mixture of traditional lessons, project work and tutorial work. You will have the opportunity to develop skills for learning, life, and work, scientific inquiry, and investigation and in accurate use of scientific language, formulae, and equations. You will continue to develop your understanding of the impact science makes on your life, the lives of others, the environment and on society.

Progression

This course is based on Level 4 BGE, National 4 and National 5 Outcomes.

Possible career routes relating to this subject can be found at: Institute of Physics Careers Information - [Your future with physics: A guide for young people | Institute of Physics \(iop.org\)](https://www.iop.org/careers)