

# LOURDES SECONDARY SCHOOL



## S2 ELECTIVE CHOICES

January 2023

*Love*

*Teach*

*Care*

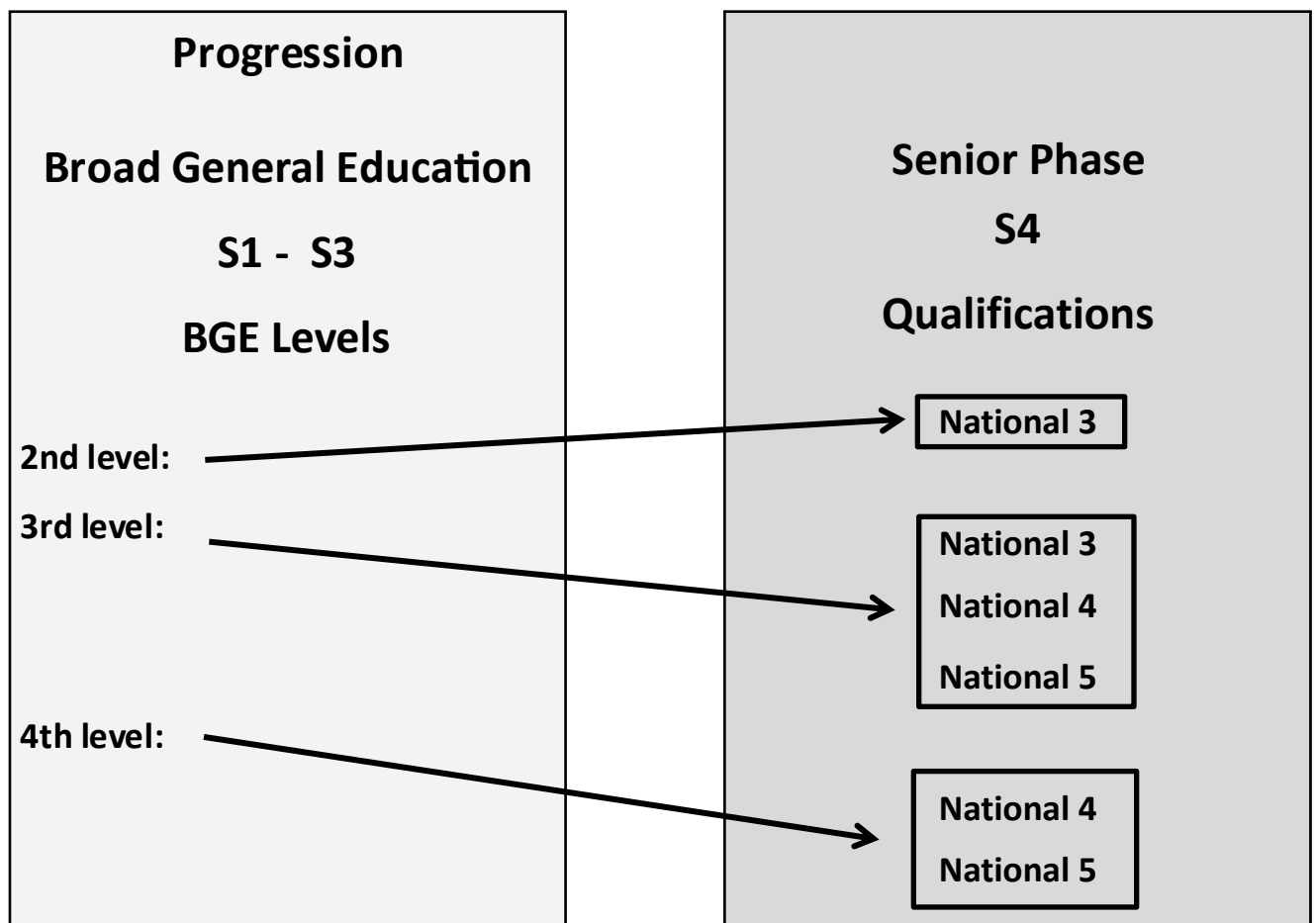
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## INTRODUCTION

This booklet has been prepared to inform parents and pupils as fully as possible about the courses available at the start of third year. Pupils will have access to the booklet via teams and discussion will take place during Personal Support to help inform their elective choices.

In S1 /S2 all pupils have followed a Broad General Education (BGE). Pupils continue into S3 with a BGE which includes opportunities for personalisation and choice within certain curricular areas. The curricular area choice at the end of S2 enables pupil entitlement to all third and fourth level experiences and outcomes to be met.



## THE S3 CURRICULUM

In S3 pupils will study Maths, English, PE, RE and Personal Support. In addition to these subjects pupils will study 7 electives.

Information on the electives is detailed overleaf.



## SUBJECT: **ADMINISTRATION & IT**

### **What the pupils will work on in the course of S3:**

The Administration and IT course is fast paced and dynamic. Throughout this course pupils will learn how to contribute to the effective working of an organisation by participating in both practical and theoretical activities. Activities will include learning about the role of the administrator and carrying out a range of administrative tasks required to plan small scale events such as the school show; using various software applications to create and edit simple business documents such as posters, booklets, business cards etc.; using up-to-date technologies such as Glow as an online storage tool and the Internet to gather reliable information and communicate this information with others in an appropriate way for example through desktop publishing and social media applications. Pupils will also develop links with our partner Primary schools when they are involved in sending letters from Santa.

### **What skills the pupils will develop by studying the subject:**

- Administration and IT does this by developing the following critical skills;
- Digital skills in the use of word processing, desk top publishing, spread sheet and database software.
- Digital skills in using technology for communication and investigation (e.g. e-mail and internet).
- Organisational skills (e.g. preparing business events and meetings).
- Problem solving skills (selecting appropriate software to meet the organisation's needs).

### **Pathways:**

Administration and IT is divided into level 3 and level 4 experiences and outcomes. Level 4 outcomes will prepare pupils for SQA National 4 and National 5 qualifications and beyond. Administrative and IT job opportunities are increasing as all modern businesses need effective procedures to make sure that they are organised and functioning properly. For example the Health Service, Events Management, Human Resource Management, Banking, Police, Legal profession, Travel Agents etc.

Studying Administration and IT at Lourdes Secondary will uniquely enhance a learner's employability in these growing sectors by teaching them how to use IT software to an industry standard while contributing positively to the Administrative systems that ensures the success of a business.

Not only does the course train learners for the world of work, Administration and IT can also enhance skills that prepare learners for further education e.g. College or University.

## SUBJECT: ART AND DESIGN



### **What the pupils will work on in the course of S3:**

The S3 Art and Design course is designed to capture the imagination of pupils who enjoy the creative challenge of the many forms of art and design.

Pupils develop how they see and appreciate the world around them through colour, form, pattern, surface and shape. These are part of the visual elements, which help build our understanding, curiosity and creativity. The S3 course allows pupils to develop their practical skills to a greater degree of technical skill and explore new materials and more combined processes and techniques.

We wish to open the eyes of pupils to new experiences and show them new ways of seeing and creating. Through practical projects and through art and design appreciation we will develop how pupils interpret and analyse art and design.

August – December. Pupils will be introduced to art movements and artists to build their knowledge and understanding. Pupils will explore artworks through written analysis and practical tasks, taking influence from the techniques and ideas of the artists they study. Pupils learn how to develop expressive art ideas based on themes e.g. “Selfie” and pupils may work through drawing, photography, printing and painting towards more finished artworks in both 2D and/or 3D.

January – May. Pupils work on design projects, looking at design movements and studying the work of historical and contemporary designers to build pupils’ knowledge and understanding of design. Pupils will explore design examples through written analysis and work on practical tasks in response to a design brief, which will set out the client and project. Pupils learn how to develop their own design ideas and they follow the design process. An example design brief may be “Design street fashion based on graffiti” and pupils may explore this design idea in 2D and 3D. Through developing their ideas pupils may make drawings, design sketches and design notes. Pupils may create 2D and/ or 3D design models and experiments to communicate their ideas. The design process involves evaluating your ideas and refining your design.

### **What skills the pupils will develop by studying the subject:**

Studying practical Art and Design will develop your creativity skills and your analysis skills. We will help you to develop your drawing, painting and making skills.

#### **ART AND DESIGN CONT...**

We will introduce you to a wider range of materials such as pastels and watercolour paint and introduce different brush sizes to help you refine your practical skills.

Studying artists’ and designers’ work will help you develop your knowledge and

understanding. We will then build your analysis skills as we look at and try to understand why artists' and designers' create work.

Building our appreciation of art and design work will help us make more thoughtful in our own practical work.

### **Pathways:**

Art and Design: National 3/4/5, Higher, Advanced Higher: Design or Expressive Portfolio, college, art school or university. In S6 pupils may opt to study Higher Photography with a National 5 Art and Design or a National entry level or Progression Award level 4 or Level 5.

Potential careers in art or design: sculptor, fine art painter, graphic designer, architect, film maker, animator, photographer, costume design, fashion design, set design, ceramicist, jeweller, product designer, installation artist, furniture and lighting designer, illustration, textile designer and many more exciting creative and innovative careers.



## SUBJECT: BIOLOGY

### **What the pupils will work on in the course of S3:**

Biology is the study of all living things, from the tiniest organisms to the largest life forms. You will learn how nature and the human body work, and how different forms of life eat, make energy and reproduce. You will also find out how Biology is helping to find solutions to world problems.

There are many career opportunities connected with biology, including medicine, nursing, dentistry, physiotherapy, food science, sport science, pharmacology and beauty therapy. Biology is a hands-on that develops your skills of scientific inquiry, and analytical thinking, along with knowledge and understanding, by undertaking practical activities in the classroom/local environment. You will research issues and communicate information related to their findings, which will develop your skills of scientific literacy.

The course comprises **three** areas of study.

### **Cell biology**

You will learn about:

cell structure; transport across cell membranes; DNA and the production of proteins; proteins; genetic engineering; and respiration.

### **Biology: multicellular organisms**

You will learn about:

producing new cells; control and communication; reproduction; variation and inheritance; transport systems — plants; transport systems — animals; and absorption of materials.

### **Biology: life on Earth**

You will learn about:

ecosystems; distribution of organisms; photosynthesis; energy in ecosystems; food production; and evolution of species.

### **What skills the pupils will develop by studying the subject:**

If you choose to study Biology in S3, the Faculty aim to help you:

- develop and apply knowledge and understanding of biology
- develop an understanding of biology's role in scientific issues and relevant applications of biology, including the impact these could make in society and the environment
- develop scientific inquiry and investigative skills
- develop scientific analytical thinking skills in a biology context
- develop the use of technology, equipment and materials, safely, in practical scientific activities

- develop planning skills
  - develop problem solving skills in a biology context
  - use and understand scientific literacy, in everyday contexts, to communicate ideas and issues and to make scientifically informed choices
- 
- develop the knowledge and skills for more advanced learning in biology
  - develop skills of independent working

The Faculty aims to equip all learners with an understanding of the impact of biology on everyday life, and with the knowledge and skills to be able to evaluate media reports. This will also equip learners to make their own decisions on issues within a modern society where the body of scientific knowledge and its applications and implications are ever developing. By using the skills base and knowledge and understanding of biology, learners will become scientifically literate citizens.

### **Pathways:**

If you choose to pick Biology in S4 you will study at National 4 or National 5 level. In S5 and S6 we then offer National 5, Higher and Advanced Higher Biology.

After successfully completing your Biology studies with us in Lourdes, you may want to pursue further study, training or employment in:

- Animals, Land and Environment
- Biology
- Health and Medicine
- Science and Mathematics
- Secondary School Teaching
- Sport
- Sports Science



# SUBJECT: CHEMISTRY



## What the pupils will work on in the course of S3:

Chemistry is vital to everyday life and allows us to understand and shape the world in which we live. You will learn about the applications of chemistry in everyday contexts such as medicine, energy and industry, as well as its impact on the environment and sustainability. You will learn how to think creatively and independently, and analyse and solve problems.

You will learn about how we use the Earth's resources, the chemistry of everyday products and environmental analysis. You will find out how chemistry affects our environment and our everyday lives. This will help you to make your own decisions on contemporary issues where scientific knowledge is constantly developing.

The course comprises **three** areas of study:

### Chemical changes and structure

You will learn about:

- Rates of reaction
- Atomic structure and bonding related to properties of materials
- Formulae and reacting quantities
- Acids and bases.

### Nature's chemistry

You will learn about:

- The homologous series
- Everyday consumer products
- Energy from fuels.

### Chemistry in society

You will learn about:

- Nuclear chemistry
- Chemical analysis.

## What skills the pupils will develop by studying the subject:

If you choose to study Chemistry in S3, the Faculty aim to help you:

- develop and apply knowledge and understanding of chemistry
- develop an understanding of chemistry's role in scientific issues and relevant applications of chemistry, including the impact these could make in society and the environment.

- develop the knowledge and skills for more advanced learning in chemistry
- develop skills of independent working

The Faculty aims to equip all learners with an understanding of the impact of Chemistry on everyday life, and with the knowledge and skills to be able to evaluate media reports. This will also equip learners to make their own decisions on issues within a modern society where the body of scientific knowledge and its applications and implications are ever developing. By using the skills base and knowledge and understanding of chemistry, learners will become scientifically literate citizens.

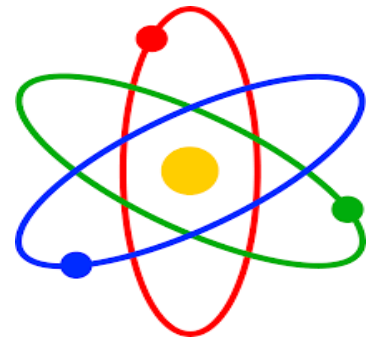
### **Pathways:**

If you choose to pick Chemistry in S4 you will study at National 4 or National 5 level. In S5 and S6 we then offer National 5, Higher and Advanced Higher Chemistry.

After successfully completing your Chemistry studies with us in Lourdes, you may want to pursue further study, training or employment in:

- Chemical and Materials Engineering
- Chemistry and Materials Science
- Engineering
- Health and Medicine
- Manufacturing Industries
- Science and Mathematics

## SUBJECT: **COMPUTER SCIENCE**



### **What the pupils will work on in the course of S3:**

This Computing Science course is rich and demanding. Throughout this course pupils will develop a broad range of skills from an innovative and varied programme. Through this programme you will develop specialist skills in the development and construction of computer systems and programs. You will gain practical experience and a thorough theoretical understanding of the field making you attractive to a wide range of employers and preparing you for further academic study. The first half of the year will focus on skills and progression over three titled areas; Computer Systems, Software Design and Development and Web Design and Development.

Topics include:

- Binary
- Von Neumann
- HTML to develop webpages
- Database
- Computational Thinking
- Animation
- Graphics

After Christmas students will study the Design unit from the Level 5 NPA Computer Games Development course.

Topics include:

- Compare gaming technologies
- Analyse design elements
- Plan and design a computer game

### **What skills the pupils will develop by studying the subject:**

The development of problem solving skills provides links to Maths, Science and Technical subjects. The development of creative thinking is central to Computing Science and supports development in expressive arts subjects such as Art and Music.

Activities to support development of skills in literacy, numeracy and health and wellbeing are embedded in activities throughout the course.

## COMPUTER SCIENCE CONT...

Learners will develop transferable skills such as problem solving and teamwork when collaborating with others.

Key Skills developed:

- Collecting, Organising and Analysing ideas
- Describing aspects of real world systems
- Understanding Language Constructs for structured information
- Design, build, evaluate and refine computing solutions
- Compare processes against alternate solutions and justify use
- Understand high level language and the operation of a computer

This allows for levelled progression into S4 either by choosing Computing Science National 5 or continuing Level 5 NPA Computer Games Development.

### **Pathways:**

You will gain practical experience and a thorough theoretical understanding of Computing Sciences making you attractive to a wide range of employers or preparing you for further academic study.

Primarily the problem solving skills which are developed over the year and beyond are a key focus for employers and educational settings. It is widely recognised by Colleges and Universities that students with experience in Computing Science are forward thinking, independent and innovative learners.

Computing Science is vital for everyday life; it shapes the world in which we live and its future. Computer scientists play key roles in meeting the needs of society today and for the future, in fields that include Science, Medicine, Communications, Entertainment, Education, Security, Business and Industry.

If Computing Science is continued into further education, some of the positive destinations include KANA, Logica, Microsoft, British Telecom, Agilent (Hewlett Packard Ltd), Scottish Power, Adobe Systems Inc., Silicon Graphics Inc. Cisco, Toshiba, Microsoft, Athlon, Skyscanner, Amazon, BT, Total, Honeywell and JPMorgan Chase.

## SUBJECT: **DRAMA**



### **What the pupils will work on in the course of S3:**

Skills in drama will be developed through a variety of practical and theoretical tasks. Pupil will begin to familiarise themselves with terminology associated with a range of performance and production skills. Pupils will be expected to implement this terminology through spoken and written evaluation.

Practically, pupils will continue to develop core skills in voice, movement and development of character in a range of situations.

Pupils will engage with a variety of form, genre and style as they develop and enhance skills in devising drama from stimulus.

Pupils will be given the opportunity to work from a range of scripts in order to prepare them for the demands of National 4 and 5 courses.

Aspects of theatre production will become central to the understanding of creating a finalised piece of theatre and enhancing mood and atmosphere. Pupils will be given the opportunity to work with lighting, sound, props, costume and set.

### **What skills the pupils will develop by studying the subject:**

All HOTS skills (High Order Thinking Skills) are developed throughout this course and well as key skills for life-long learning.

The main skills developed in S3 are...

Focus, Resilience, Perseverance, Problem solving, Creativity, Discipline, Independent learning, Communication, Teamwork and Leadership.

### **Pathways:**

National 3/4/5, Higher, College and University. Any potential vocational courses?

National 4, 5, Higher and Advanced Higher Drama. University and college course focussing on acting, performance and technical theatre.

Drama is considered an advantageous subject when applying for a number of University courses including Medicine, Law and Veterinary sciences due to integral skills of communication, public speaking, problem solving and creativity.

## SUBJECT: FRENCH



### What will you learn in S3 French?

You will build on your knowledge and understanding of French through the contexts of Society, Learning, Employability and Culture. Grammatically, we will consolidate adjectival agreement, the present and the future tense, before learning about the conditional and some modal verbs. Not only will you be immersed in French culture when learning about festivals, such as 'la fête de la musique' and 'la fête des lumières', but you will normally also have the opportunity to see French films, sample French food, and learn about les bandes dessinées!

### Skills developed by studying French:

Not only will you enrich your literacy skills, but, through the core skills of listening, talking, reading and writing, you will also continue to enhance your transferable skills - critical for employment and further education. Such skills include critical thinking, problem solving, and analysis. The course is designed to help build your confidence and clarity in communication as well as improving interpersonal skills by working both independently and with others.

### Pathways:

Languages for Life and Work Award, National 3/4/5, Higher, Advanced Higher, College and University.

French is offered throughout the Senior Phase and, depending on your ability, you can sit National exams in S4, S5 and S6.

A modern language is considered a desirable and advantageous subject when applying for University courses including Business, Engineering and Law due to the integral skills of communication, public speaking and problem solving. Related careers include Accountancy, Business, Engineering, Finance, Foreign correspondent, Geoscientist, Holiday Rep, Interpreter, Journalism, Lawyer, Marketing analyst, Peace Corps, Subtitled, Tour Guide, World Health Officer...

## SUBJECT: GEOGRAPHY



### What the pupils will work on in the course of S3:

As the most scientific of the social subjects, a programme of study in Geography would develop pupils' understanding of how the features of the physical environment and phenomena of the Earth influences the development of the human communities, giving them the skills to interpret contemporary events, both domestically and in the wider world.

#### **Physical Environments:**

Pupils will **explore** the elements which have shaped our natural environment.

#### **Human Environments:**

Pupils will **evaluate** the impact of the population on developed and developing countries.

#### **Global Issues:**

Pupils will **investigate** the impact of humans on the physical environment.

### What skills the pupils will develop by studying the subject:

Pupils develop **critical thinking skills** by interpreting a wide range of sources and draw their own conclusion.

Geography helps young people develop the ability to make informed and reasoned decision whilst deepening their understanding of the diverse and multicultural world they live in.

#### **Pathways:**

National 3/4/5, Higher, College and University. Any potential vocational courses?

**SUBJECT: GRAPHIC TECHNOLOGY**

**What the pupils will work on in the course of S3:**

**Manual Graphics**

Pupils will develop skills and knowledge within pictorial sketching, illustration, rendering and building drawings. They will also plan and produce various Technical drawings developing understanding of sections, building drawings, component orthographic's and assemblies.

**Computer Graphics**

Pupils will develop skills and knowledge within CAD modelling techniques by creating realistic models and creating layouts which demonstrate creative use of Design Elements and Principles.

**Exam Skills**

Pupils will develop and understanding of how to answer exam style questions to a National 5 standard to enable the highest possible achievement in S4 National Graphics.

**What skills the pupils will develop by studying the subject:**

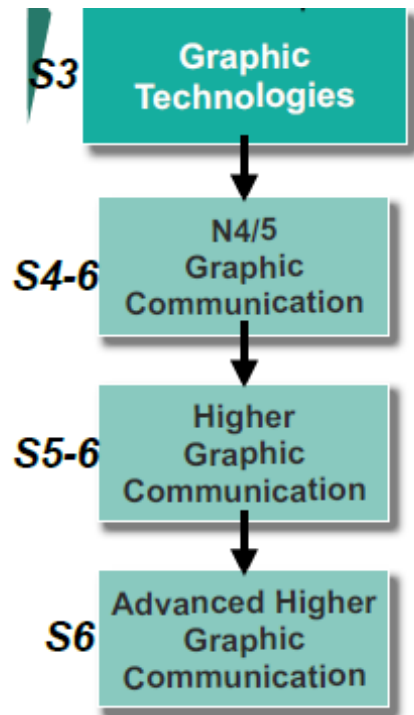
Pupils will develop:

- Reasoned Decision Making
- Analysis Skills
- Digital Literacy
- Creativity
- Presentation Skills

**Pathways:**

Graphic technologies progresses to: National 4/5, Higher then Advanced Higher Graphic Communication

Skills developed within Graphic Technologies will benefit pupils interested in careers within Engineering, Building Trades, Graphic Design, Interior Design, Creative Design and Product Design.







## Subject: **History**

Studying History gives you the knowledge and skills to understand and interpret the world around you. You will increase your cultural awareness and moral understanding of the world you live in.

### **What pupils will work on in the course of S3**

Pupils will explore key events from:

#### **The Atlantic Slave Trade, 1770–1807**

- A study of the nature of the British Atlantic slave trade in the late eighteenth century, changing attitudes towards it in Britain and the pressures that led to its abolition, illustrating the themes of rights, exploitation and culture.

#### **World War II, 1939–45**

- A study of how Germany was able to expand its territory in Europe and the impact of German occupation on the lives of people in occupied Europe. It will also consider the Pacific Theatre and the American involvement in the war through to the Allied victories in Europe and Japan.

### **What skills the pupils will develop by studying the subject**

By studying history you'll gain a range of transferable skills, from informed citizenship and critical thinking, to research and general awareness. Pupils will develop:

- The ability to apply a detailed historical perspective and evaluate sources in a range of contexts
- A detailed understanding of the factors contributing to, and the impact of, historical events
- The skills of investigating historical events and, on the basis of evidence, forming views.
- The skills of explaining and analysing historical events and drawing reasoned conclusions.

### **Pathways**

National 3/4/5, Higher, College and University. Any potential vocational courses.

What's more, the knowledge acquired through the study of history is relevant in a wide range of disciplines and can lead to diverse employment opportunities.

# SUBJECT: ITALIAN



## **What will you learn in S3 Italian?**

You will build on your knowledge and understanding of Italian through the contexts of Society, Learning, Employability and Culture.

In S3, you will be learning how to use the language in real life situations and learning about the culture through film studies. Pupils will be exposed to advanced grammar studying the past, present and future tenses to allow them to communicate accurately in the language.

Not only will you be immersed in Italian culture when learning about festivals, such as 'carnevale' and 'palio di Siena' and learn about current international events but you will also have the opportunity to go on trips and sample Italian food!

## **Skills developed by studying Italian:**

Language learning allows you to improve your communication skills and build your confidence not only in the languages you are learning but in your native language too!

The core skills we teach are listening, talking, reading, and writing but choosing a language will also continue to enhance your transferable skills - critical for employment and further education, such as critical thinking, problem solving, and analysis.

Our course enables you to learn how to work independently and improve your ability to work collaboratively with others, putting your improved communication skills to the test.

## **Pathways:**

Languages for Life and Work Award, National 3/4/5, Higher, Advanced Higher, College and University.

A modern language is considered a desirable and advantageous subject when applying for University courses including Business, Engineering and Law due to the integral skills of communication, public speaking and problem solving.

It is classed as a 'facilitating subject' meaning top universities such as Oxford and Cambridge are more likely to accept you if you have studied a language.

Related careers include Accountancy, Business, Engineering, Finance, Foreign correspondent, Geoscientist, Interpreter, Journalism, Lawyer, Marketing, Subtitler Sales Executive, Broadcasting, Journalism, Detective, Interpreter, Translator, Advertising, Fashion buyer...

Language learning makes you more employable in any sector and you can earn more money by being able to speak another language!

## Subject: **Modern Studies**

Studying Modern Studies gives you the knowledge and skills to understand and interpret the world around you today. You will increase your cultural awareness and moral understanding of the world you live in by studying a variety of political, social and economic issues.



### **What pupils will work on in the course of S3**

Pupils will explore the topic:

#### **Crime and the Law**

- You will study the causes and types of crime in Scotland and the UK. You will examine the role of the police, courts and prison service.

### **What skills the pupils will develop by studying the subject**

By studying Modern Studies you'll gain a range of transferable skills, from informed citizenship and critical thinking, to research and general awareness. Pupils will develop:

- The ability to apply a detailed modern perspective and evaluate sources in a range of contexts
- The skills of investigating current events and, on the basis of evidence, forming views.
- The skills of explaining and analysing current events and drawing reasoned conclusions.

### **Pathways**

National 3/4/5, Higher, College and University. Any potential vocational courses.

What's more, the knowledge acquired through the study of Modern Studies is relevant in a wide range of disciplines and can lead to diverse employment opportunities.

## SUBJECT: MUSIC



### **What the pupils will work on in the course of S3:**

Pupils will continue to work on their two chosen instruments, or instrument and voice. Understanding Music will focus on Pop Rap, Programme and Reggae music and the ability to analyse key features of the music.

The Understanding Music unit is combined with a composing unit where pupils will have the opportunity to be creative, experimenting with melody, rhythm, timbre, structure and harmony. They will also have the experience of using technology, in the music ICT lab to create their compositions as well as using acoustic instruments.

### **What skills the pupils will develop by studying the subject:**

All HOTS skills (High Order Thinking Skills) are developed throughout this course and well as key skills for life-long learning. The main skills developed in S3 are...

Focus, Resilience, Perseverance, Problem solving, Creativity, Discipline and Independent learning, Teamwork and Leadership.

### **Pathways:**

National 3/4/5, Higher, College and University. Any potential vocational courses?

Pathways from S3 would be National 3 – 5 Music and/or Music Technology, leading to Higher Music and/or Higher Music Technology.

## SUBJECT: **MUSIC TECHNOLOGY**



### **What the pupils will work on in the course of S3:**

The course is divided into two sections, practical sound engineering and the associated skills and understanding music.

Sound Engineering skills involve pupils learning how to use Garage Band to record, edit and manipulate sounds to create an original piece of work.

Pupils will be given the opportunity to create a sound foley (placing special effects and sounds over a movie clip), radio broadcast, games sound track and/or an audio book. During these tasks they will learn how to apply sound engineering techniques to enhance and improve sound and to make creative choices using different technology effects and processes.

They will begin to study 20<sup>th</sup> century music and the development of technology throughout the century and the impact it had on music of the time.

### **What skills the pupils will develop by studying the subject:**

All HOTS skills (High Order Thinking Skills) are developed throughout this course and well as key skills for life-long learning. The main skills developed in S3 are...

Focus, Resilience, Perseverance, Problem solving, Creativity, Discipline, Independent learning, Teamwork and Leadership.

### **Pathways:**

National 3/4/5, Higher, College and University. Any potential vocational courses?

National 5 Music Technology, leading to Higher Music Technology

## SUBJECT: PHYSICS



### **What the pupils will work on in the course of S3:**

This course is designed to increase your knowledge and understanding of the concepts of Physics and its many applications in modern society. It provides the opportunity to develop skills necessary to find solutions to scientific problems, such as experimenting, investigating and analysing, and gives a deeper insight into the structure of the subject. The course makes a valuable contribution to your general education and provides a sound basis for further study. The skills you learn on this course are valuable for careers in medicine, energy, industry, material development, the environment and sustainability.

From the sources of the energy we use, to the exploration of space, Physics covers a range of applications that affect our lives. Studying Physics allows you to gain an insight into the underlying nature of our world and its place in the universe. It will help you to develop your logical and critical thinking, solve problems and make decisions. The course comprises **six** areas of study.

#### **Dynamics**

You will learn about:

vectors and scalars; velocity–time graphs; acceleration; Newton’s laws; energy; projectile motion.

#### **Space**

You will learn about:

space exploration; cosmology.

#### **Electricity**

You will learn about:

electrical charge carriers; potential difference (voltage); Ohm’s law; practical electrical and electronic circuits; electrical power.

#### **Properties of matter**

You will learn about:

specific heat capacity; specific latent heat; gas laws and the kinetic model.

#### **Waves**

You will learn about:

wave parameters and behaviours; electromagnetic spectrum; refraction of light.

#### **Radiation**

You will learn about:

nuclear radiation.

**What skills the pupils will develop by studying the subject:**

If you choose to study Physics in S3, the Faculty aim to help you:

- develop and apply knowledge and understanding of physics
- develop an understanding of the role of physics in scientific issues and relevant applications of physics, including the impact these could make on society and the environment
- develop scientific inquiry and investigative skills
- develop scientific analytical thinking skills in a physics context
- develop the use of technology, equipment and materials, safely, in practical scientific activities
- develop planning skills
- develop problem solving skills in a physics context
- use and understand scientific literacy, in everyday contexts, to communicate ideas and issues and to make scientifically informed choices
- develop the knowledge and skills for more advanced learning in physics
- develop skills of independent working

The Faculty aims to equip all learners with an understanding of the impact of physics on everyday life, and with the knowledge and skills to be able to evaluate media reports. This will also equip learners to make their own decisions on issues within a modern society where the body of scientific knowledge and its applications and implications are ever developing. By using the skills base and knowledge and understanding of physics, learners will become scientifically literate citizens.

**Pathways:**

If you choose to pick Physics in S4 you will study at National 4 or National 5 level. In S5 and S6 we then offer National 5, Higher and Advanced Higher Physics.

After successfully completing your Physics studies with us in Lourdes, you may want to pursue further study, training or employment in:

- Construction
- Engineering
- Health and Medicine
- Manufacturing Industries
- Physics

- Science and Mathematics

## **SUBJECT: PHYSICAL EDUCATION**



### **What the will pupils work on in the course of S3:**

Pupils will work on 4 sports with a focus on improving performance skills. These sports will likely be suited to the personnel in the class and will include basketball and badminton and at least one more from gymnastics, volleyball, football or table tennis. Pupils will have some written work which will be based on collecting data about their performances and developing their skills and/or fitness. They will get at least 2 periods of practical per week out of the 3, with an option of 1 theory period. The frequency of how often this theory period happens is down to the class teacher to decide.

### **What skills the pupils will develop by studying the subject:**

Pupils will develop their analysing, applying and evaluating skills throughout the course. They will practise being able to highlight strengths and weaknesses within their performances and then apply a training program to improve their skill and/or fitness. An understanding of what Physical, Mental, Emotional and Social factors impact on their performance will be a main focus throughout the course.

### **Pathways:**

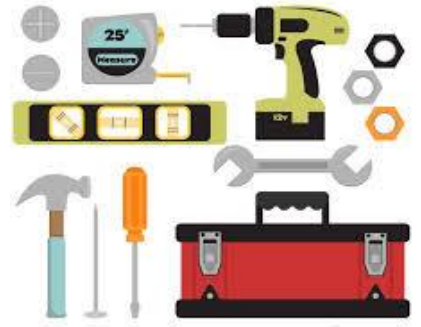
National 3/4/5, Higher, College and University. Any potential vocational courses?

This course can follow the PE department's performance pathway where pupils will be able to move into a National 5 course in S4 with the appropriate knowledge to do well. This will then follow onto Higher PE in S5 or S6, and ultimately Advanced Higher.

Pupils can also use the skills that they will learn in the S3 course to follow a leadership pathway through choosing Sports Leadership in S4 during their core PE time and then a National Progression Award called Play in a Sports Environment in S5 or S6. These courses are well suited to pupils wanting a career in teaching at primary or secondary level in all subjects due to the various work and life skills they will learn about.



## SUBJECT: PRACTICAL TECHNOLOGY



### What the pupils will work on in the course of S3:

*What will my child experience during S3 Practical Technologies?*

#### **Practical Woodworking**

Pupils will develop skills and knowledge within machining & finishing, carcass construction and flat frame construction through the manufacture of a Toilet Roll Holder, Storage Box and iPad Stand.

#### **Practical Metalworking**

Pupils will develop skills and knowledge within metalworking bench skills and machining through the manufacture of a Tool Box and Plumb Bob.

***This course prepares pupils for both National Woodworking & National Metalworking.***

### What skills the pupils will develop by studying the subject:

Pupils will develop:

- Manual Dexterity
- Analysis Skills
- Practical Measurement
- Creativity
- Safe Working Practices

#### **Pathways:**

National 3/4/5, Higher, College and University. Any potential vocational courses?

- National 4/5 Practical Woodworking
- National 4/5 Practical Metalworking

Skills developed within Practical Technology will benefit pupils interested in careers within Engineering, Building Trade apprenticeships and Vocational College courses

## SUBJECT: RELIGIOUS, MORAL & PHILOSOPHICAL STUDIES (RMPS)



### **What the will pupils work on in the course of S3:**

In modern society there is not a day that passes without moral or religious stories making the headlines. RMPS offers an exciting opportunity to investigate and explore some "big" issues and how they impact our communities, society and the wider world we live in. They will develop a wide variety of skills as through three different topics.

The three units they will study are:

#### **World Religion**

Pupils will **study** one of the six major world religions; **investigating** the key beliefs, practices and sources including the contribution these make to the lives of the followers.

#### **Morality and Belief:**

Pupils will explore both religious and non-religious viewpoints on Morality and Conflict. This contemporary and important issue with challenge pupils to develop and understanding of the "Just War Theory" and explore issues relating to politics, human rights and contemporary global conflict.

#### **Religion and Philosophical questions:**

Pupils will explore issues relating to Evil and Suffering and investigate both religious and non-religious responses to questions such as "Why does a loving God allow people to suffer?" and "What is evil?" among other related questions. Pupils will also evaluate how this topic is relevant to contemporary society.

#### **What skills the pupils will develop by studying the subject**

Pupils will cover a wide variety of skills including HOTS, literacy, leadership and digital learning. The course will have a particular emphasis on:

- Critical thinking
- Reflection
- Discernment

#### **Pathways:**

Pupils can go on to further levels of RMPS within the school.

Skills developed in RMPS will benefit pupils interested in careers in law, medicine, education, social work, business, humanities and social sciences, counselling and psychology, healthcare, legal and court services and politics.

\*Please note that RMPS is an optional course which is run in addition to two periods of "core" R.E. which all pupils must study.

## Subject: Spanish



### **What will you learn in S3 Spanish?**

You will learn a range of topics at beginners' level in Spanish through the contexts of Society, Learning, Employability and Culture. You also learn grammatical points including adjectival agreement, the present tense, the future tense, and some modal verbs. Not only will you be immersed in Spanish culture when learning about Hispanic festivals such as 'El día de los muertos' and 'El día de los inocentes', but you will also have the opportunity to see Spanish films, sample Tapas food, and learn how to salsa dance!

### **Skills developed by studying Spanish:**

Not only will you enrich your literacy skills, but, through the core skills of listening, talking, reading and writing, you will also continue to enhance your transferable skills developed in S1 and S2 French - critical for employment and further education. Such skills include critical thinking, problem solving, and analysis. The course is designed to help build your confidence and clarity in communication as well as improving interpersonal skills by working both independently and with others.

### **Pathways:**

Languages for Life and Work Award, National 3/4/5, Higher, Advanced Higher, College and University.

Spanish is offered throughout the Senior Phase and, depending on your ability, you can sit National exams in S4, S5 and S6.

A modern language is considered a desirable and advantageous subject when applying for University courses including Business, Engineering and Law due to the integral skills of communication, public speaking and problem solving. Related careers include Accountancy, Business, Engineering, Finance, Foreign correspondent, Geoscientist, Holiday Rep, Interpreter, Journalism, Lawyer, Marketing analyst, Peace Corps, Subtitler, Tour Guide, World Health Officer...

## Key points to remember when choosing your electives...

1. Think about your skills, strengths and the subjects you're good at.
2. Think about the subjects you enjoy, remember you could be studying these subjects for the next 3 or 4 years.
3. Think about what subject qualifications you need for your future career aspirations.
4. Don't pick subjects because your friend is choosing that subject.
5. Don't pick a subject based on your teacher.
6. Don't stress too much and overthink your decisions, listen to advice but ultimately do what is right for you!

Any questions see Mr Kerr and Mr Downes

Good luck with your electives S2!!!

Thank you,  
Mr Kerr and Mr Downes