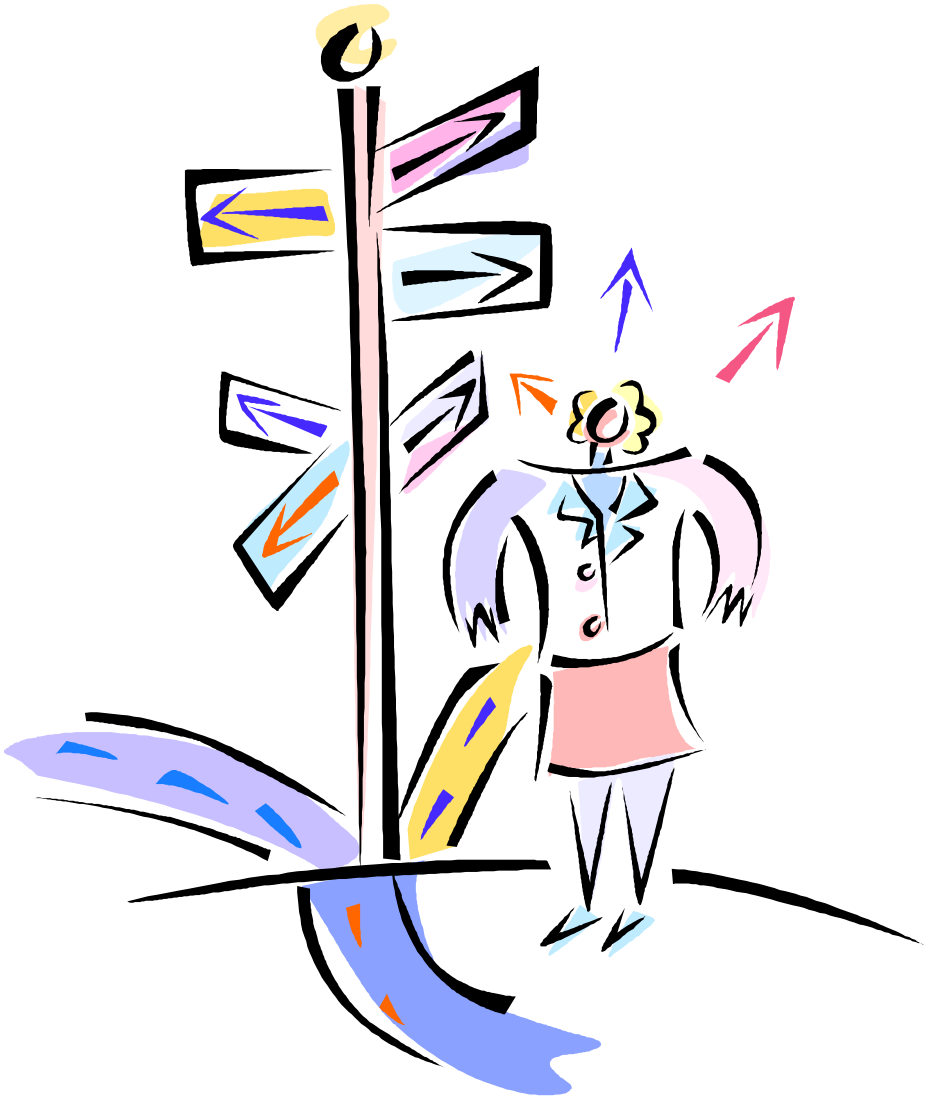


S3 Options Information Booklet



C O N T E N T S

Free Choice Subjects

Administration & IT	Page 3
Art & Design	Page 4
Business Management	Page 5
Computing Science	Page 6
Creative Design with Photography	Page 7
French	Page 8
German	Page 9
HE - Early Learning & Childcare	Page 10
HE - Fashion & Textiles	Page 11
HE - Practical Cookery	Page 12
Music	Page 13
Music Technology	Page 14
PE Studies including Dance	Page 15
PE Studies	Page 16
Rugby Union - School of Rugby	Page 17
Spanish	Page 18
Practical Craft Skills	Page 19
Graphic Communication	Page 20
Design & Manufacture	Page 21

Sciences

Biology	Page 22
Chemistry	Page 23
Physics	Page 24
Science	Page 25

Social Subjects

Geography	Page 26
Modern Studies	Page 27
History	Page 28

Administration and IT

This course aims to develop pupils' administrative and IT skills and enable them to:

- Understand administration in any workplace and key legislation affecting both organisations and employees.
- Understand good customer care and its benefits to organisations.
- Develop IT skills and use them to perform administrative tasks.
- Acquire good organisational skills in the context of organising and supporting events.

The course contains a large practical component using industry standard software underpinned by related knowledge and understanding.

Administration and IT

A successful business has a variety of staff with a range of IT skills. This course focuses on the IT skills required to run a successful business.

You will be involved in planning tasks appropriate to small-scale events, and will play an active part in group activities and challenges. This is a very practical, hands-on subject which will introduce you to the software packages used in a contemporary business. You will use Microsoft Word, Excel, Access and Publisher and Outlook to produce professional business documents. You will enjoy the realistic context of Admin & IT.



This course is designed to be fun, interesting and challenging. You will take part in a variety of tasks and activities in the context of a real working environment. This course offers an excellent insight into work in an area crucial to the Scottish economy in the 21st century. Regardless of the career you choose, you can be guaranteed that the use of IT is an essential skill which colleges, universities and employers regard highly.

Other key skills developed include:

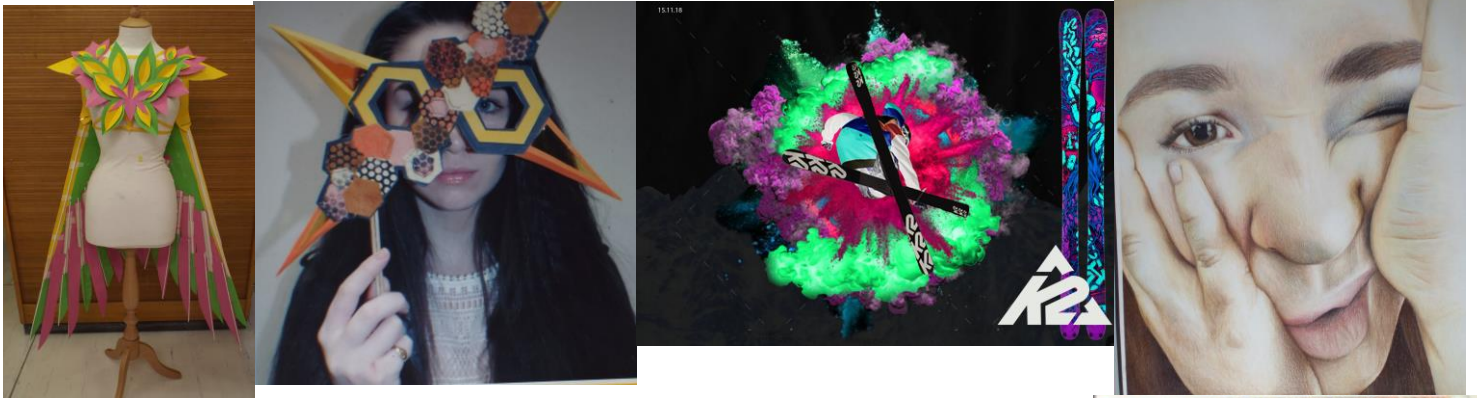
- ✓ Literacy
- ✓ Numeracy
- ✓ Problem solving
- ✓ Team working
- ✓ Enterprise
- ✓ Communication
- ✓ Organisation

Progression:

This course is designed as an excellent lead in to the following courses:

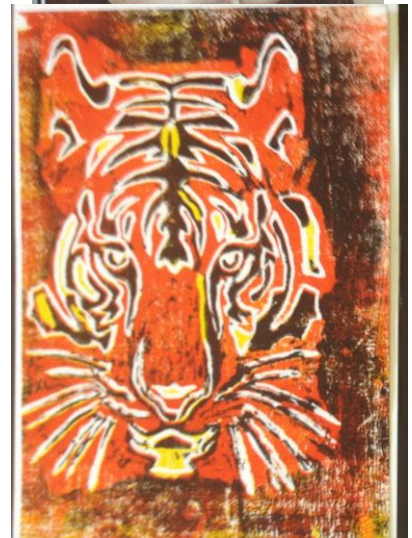
- ✓ National 4 Admin & IT
- ✓ National 5 Admin & IT

Art and Design



Course Structure

Art and Design is all about personalisation and choice. You will complete 2 folios, an Expressive and a Design. In Expressive you will choose a theme and a variety of media in which to create that theme (paint, pencil, clay, print, photography etc) and in Design you will select a theme and a product to make (graphic design, fashion, masks, teapot etc).



You will also learn about various artists and designers and how they use the visual elements and design issues to create their work. As well as this you will learn to analyse various artworks and designs, applying the skills you are learning in your practical folios.

Career paths.....

- The UK has the second-largest Art and design sector in the world and the largest design industry in Europe.
- The UK leads the world in design education. There are approximately 840 design courses in the UK.
- According to **DCMS statistics** from July 2017, there were approximately 160,000 product and graphic design jobs in the UK creative economy.
- UK fashion industry has a global appeal, whilst supporting almost 900,000 UK jobs and contributing £28bn to the economy.
- The average salary of a graphic design is £45,000 per year. However some can earn up to £100,000 a year! Many work from home or small studios.

Business Management

We all rely on businesses to create wealth, prosperity, jobs and choices. Therefore, it is essential for society to have effective businesses and business managers. Pupils will develop knowledge and understanding of the ways in which society relies on business to satisfy our needs; explore realistic business situations and increase their knowledge of financial management in a business context; as well as gain an awareness of how external influences impact on organisations. The course is suitable for all pupils interested in entering the world of business - whether as a manager, employee or self-employed person - and suitably prepares them for the world of work.

Business Management

Business in Action

Pupils learn how small businesses are set up and operate, as well as how organisations in the public and charities run. Pupils will learn about customer needs, customer service and the key functional areas of businesses.

Influences on Business

Pupils will learn about key stakeholders in a business as well as make decisions on the running of a small business, taking into account internal and external factors.



This course is designed to be interesting and challenging and will often relate to real life scenarios. Pupils will take part in a variety of tasks and activities in the context of a real world. Regardless of the career you choose, you can be guaranteed that knowledge of business is an essential life skill which colleges, universities and employers regard highly.

Other key skills developed include:

- ✓ Literacy
- ✓ Numeracy
- ✓ Problem solving
- ✓ Team working
- ✓ Enterprise
- ✓ Communication
- ✓ Organisation

Progression:

This course is designed as an excellent lead in to the following courses:

- ✓ National 4 Business Management
- ✓ National 5 Business Management

Computing Science

This course helps candidates to understand computational processes and thinking. Pupils develop computational thinking skills by creating a range of computer programs. Pupils will develop websites and design and manipulate databases. The course highlights how computing professionals are problem-solvers and designers, and the far-reaching impact of technology on our environment and society.

Computing Science

Software Design and Development

Pupils will develop basic knowledge, understanding and practical problem-solving skills in software design and development. Learners will develop basic computational thinking and programming skills through practical tasks using a variety of software development environments.

Computer Systems

Pupils will develop an understanding of how data and instructions are stored in binary form. They will then look at the components that make a computer and how they interact with each other.

Database Design and Development

Pupils will implement practical solutions using development tools to modify databases. These tasks will involve simple features and straightforward contexts.

Web Design and Development

Pupils will create a range of webpages using HTML. They will then change the styling and contents as well as linking these pages together.



Other key skills developed include:

- ✓ Literacy
- ✓ Numeracy
- ✓ Problem solving
- ✓ Team working
- ✓ Communication
- ✓ Organisation

Progression:

This course is designed as an excellent lead in to the following courses:

- ✓ National 4 Computing Science
- ✓ National 5 Computing Science

Creative Design with Photography

Creative Design

Creative Design is all about you letting your creative wild side come out!



your



It's NOT about how well you can draw or paint it's about how good your imagination is....can you come up with exciting ideas and can you produce wild and bold artworks that will WOAHH the crowd!

S3 Design is looking for young CREATIVE, AMBITIOUS and ENTHUSIASTIC pupils who are not afraid to experiment and bring their ideas to life! Roll up your

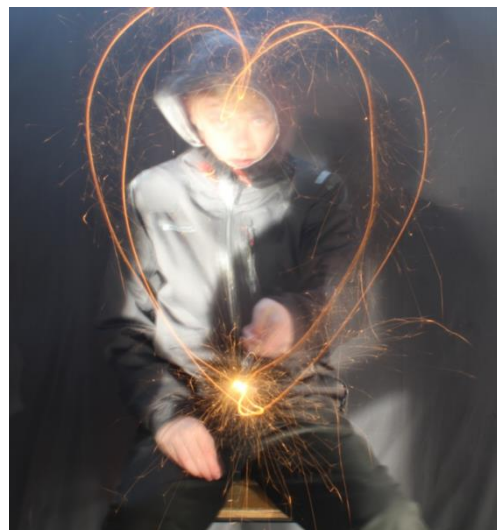
sleeves and get ready to get messy!

Areas covered can include: Clay, Printing, Sculpting, Digital

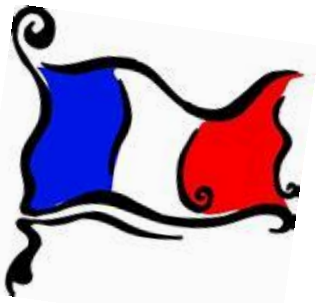
Course progression: National Art and Design/Creative Industries

Photography

- Work with SLR and camera phones.
- You will learn how to properly use an SLR camera and how to apply photography techniques to projects.
- You will then learn how to edit your work on software such as Photoshop.
- All these skills are useful if you plan to study Art and Design or Photography at a later date.



Course Progression: NPA and Higher Photography



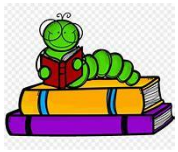
French

All pupils will continue to study French in S3. There will also be the option for pupils to take a second language, German or Spanish.

WHAT WILL YOU LEARN?

You will learn about the French language and about the people and places where the language is spoken. As well as dealing with everyday topics like your home, family, school, hobbies and holidays, you will also be learning about issues of concern to people of your own age; for example sports, health, relationships, environment and future plans. You will learn about life in another country and will be encouraged to explore and compare life in other European countries. You will also learn about the grammatical rules of French.

All pupils will develop a high level of skill in the following 4 areas:



Reading – Pupils will be able to read and understand texts in the foreign language.

Listening & Talking – Pupils will be able to understand the spoken language and be confident about being able to communicate orally in the foreign language.



Writing – Pupils will learn about the grammar which will enable them to create an accurate piece of writing in the foreign language.



You will receive regular homework to reinforce what is done in class and you will be expected to take time learning vocabulary at home.

WHAT ARE THE BENEFITS OF LEARNING A FOREIGN LANGUAGE?

Through studying French pupils will be equipped with a variety of skills which are essential for learning, work and life.

Some of the main benefits of learning a language are:

- Better understanding of different cultures
- improved self-confidence
- Enhanced ability to build new relationships
- Improved literacy and reading skills
- Enhanced problem solving, interpersonal and communication skills
- Increased employability

German

German would be a useful addition to anybody who is considering a career in the following areas:

1. **Engineering** – a lot of the big manufacturing companies are German, for example local company Egger are Austrian and Emergency One have links with a German truck manufacturer. Having a qualification in German will give you a competitive edge when it comes to securing employment with these companies.
2. **Finance** – German is an international language of finance, with many top banks choosing to base their headquarters in Germany. Again, having a qualification in German will give you a competitive edge when it comes to securing employment in the finance sector.
3. **Education** – German would be useful if you are considering a career in education and not solely for becoming a language teacher. Primary schools also have an obligation to teach 2 foreign languages. A language will be a big plus when applying for courses or jobs in the education sector.
4. **Tourism** – Germans like to travel worldwide and are the world's biggest spenders when on holiday. If you would like to work in the tourism sector then all employers would see a qualification in German as a huge advantage to their business.
5. **Science** – German is the second most common scientific language and the third biggest contributor to research and development.
6. **Literature, Music, Art and Philosophy** – German is the language of Goethe, Kafka, Mozart, Bach and Beethoven. A qualification would allow you to read or listen to their works in their original language.



The third year German course will provide you with the basics of German and prepare you for studying National 4 or National 5 German in fourth year. Throughout the course you will be working on the following skills:

- Reading
- Writing
- Talking
- Listening
- Grammar knowledge
- Employability
- Citizenship
- Thinking

All of these are transferable skills which employers are actively seeking. If you would like any more information speak to a member of the Modern Languages Department.

Home Economics - Early Learning & Childcare

During this course you will begin to understand some of the demands and responsibilities of working in the early learning and childcare sector.

You will look at basic issues in each area and begin to develop relevant skills such as team working skills and helping to plan play experiences. You will work alone or with others on straightforward tasks to help develop your transferable skills that are important when working with children.

The topics you will cover include:

- Child Development
- Play in Early Learning and Childcare
- Working in Early Learning and Childcare
- Care of Children



Progression on to Skills for Work Early Learning and Childcare N4/5





Home Economics - Fashion and Textiles

The new Fashion and textiles course will give the opportunity to develop the practical skills needed to create your own fashion and textile items. You will learn about different textiles and about the fashion industry.

The knowledge and skills acquired will be valuable for learning, life and work. The Course aims to build on existing skills and teach you to:

- Plan, design and make fashion/textile items
- Select, and use tools and equipment safely and correctly.
 - Develop sewing machine skills, including the use of advanced computerised machines that will create embroidery designs on the items



- Work with a variety of textiles and so gain knowledge of properties and characteristics



- Understanding of a range of factors that influence fashion/textile choices.

This course will give you the skills you require to progress on to study Fashion and Textiles Technology at National 4 and National 5.

Practical Cookery in S3



Practical Cookery in S3 will be a broad based practical food course. You will develop new more advanced practical skills while learning how to prepare, cook and store different categories of food. This will give you a wide range of practical food skills that you will find valuable for the rest of your life. It will also give you the skills needed to progress onto the National 4&5 courses and then onto a possible career in the Hospitality Industry.

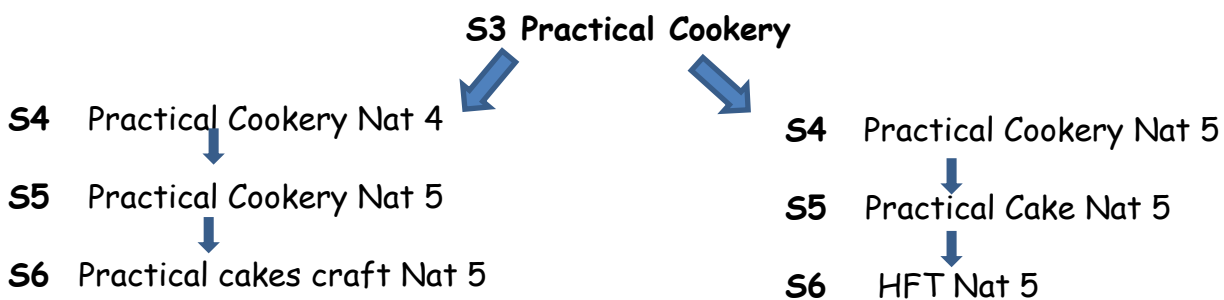


During the S3 course you will also;

- Continue to develop your knowledge of healthy eating.
- Learn more about the nutrients in food what different groups of people need and create your own recipes for them
- Find out what happens to food when it is processed. Follow the journey from 'farm to fork'

Progression

In S4 you will be able to take either National 4 or 5 Hospitality and then progress through the qualifications as shown below.



MUSIC

Why Music?



Music can have many benefits for young learners. By choosing to study music as a subject, pupils have a variety of opportunities to work with their peers, develop their confidence and leadership skills, further develop their motor skills and increase their motivation and enjoyment for the subject.

What's involved?

The course offered in S3 is based on the principals of *Musical Futures*, an innovative movement which aims to keep music education in schools relevant, enjoyable and engaging for young people. There is an emphasis on choice and personalisation throughout the course and pupils are encouraged to take more responsibility for their own learning on a regular basis.

Aims of the Course

- To further develop pupils' practical skills on two instruments
- To encourage quality group work and peer learning through a number of small group tasks
- To develop pupils' ability to create and perform their own music
- To teach pupils to identify and describe relevant listening concepts as part of the practical tasks set
-

Projects and Tasks

- Music of Scotland (group performing/listening/composition task)
- In at the Deep End with Other Music (performance/listening task)
- Skills Development (individual instrument work)
-

Instrumental Work

Pupils continue to have the opportunity to work with a variety of instruments, but will continue to focus on just two to increase their skills.

Pupils will learn how produce a quality performance using dynamics, expression and performance directions, and regularly perform for both staff and peers within the department. A focus will be on performing a programme of music.

Progression

From completing this course in S3, pupils will have the appropriate skills and knowledge to progress to National 4 or 5 in S4.

Career Options

A qualification in music can be useful for many careers including: Sound Engineering, DJ, Teaching, Music Therapy, Primary Education, Session Musician and many more! The dexterity required to play a musical instrument is often recognised and valued by careers such as dentistry and medicine.

MUSIC TECHNOLOGY

Why Music Tech?



For those with an interest in music but don't want to perform! Music technology allows pupils the opportunity to explore modern music, recording, sound manipulation and mixing. The equipment used is industry standard and will help pupils to develop a musical ear as well as further develop ICT and technology skills.

Aims of the Course

- To explore the hardware and software used in the music industry to capture and manipulate audio - including microphone placement, applying FX and mixing the tracks to create audio masters.
- To create your own music and sounds in different contexts
- To explore stylistic features of modern music and explore the impact of technology in the 'music world'

Projects

- Dance Track - Create an original dance track using MIDI, samples and loops in the style of your favourite EDM DJs.
- Audio Book - Create an audio book from the world of Dr Seuss including sound effects, voice overs and background music.
- Foley - Create and record sound effects in creative ways to reimagine a soundtrack for Disney Pixar movies and shorts and explore how animations are created.
- Understanding 20th & 21st Century Music - Explore intellectual property laws, learn all about the features of modern musical styles and explore how technology has influenced the development of music.

Progression

From completing this course in S3, pupils will have the appropriate skills and knowledge to progress to National 4 or 5 in S4.

Career Options

A qualification in music technology can be useful for many careers including: Sound Engineering, DJ, Teaching, Session Musician and many more!

Physical Education Studies Including Dance

Course Content:

This course has been designed to introduce pupils to the work required for certificated PE. Although a qualification will not be given at the end of S3 the work which will be undertaken will prepare pupils for the S4 certificated course.

Aims of the Course:

- To improve physical performance.
- To develop knowledge and understanding of factors that impact performance.
- To further develop pupil interest in a range of activities, including dance.

Activities:

This is a one year course where pupils will participate in a variety of activities. There will be an element of flexibility for which activities will run depending upon pupil uptake/interest.

Assessment:

Course Units:

Performance Skills: - Pupils will have the opportunity to develop a range of simple and complex performance skills and develop aspects of fitness through a variety of activities. Pupils' practical assessment will be based upon an average of their two best activities.

Evaluating Performance: - Pupils will explore a range of factors which can positively and negatively impact engagement and performance in physical activities. This will involve classroom periods to consolidate learning from practical sessions.

Additional Information:

- This course involves 3 periods per week..
- You must complete all components of this course and aim to be 'secure' in all outcomes and experiences.
- Suitable for enthusiastic pupils who have an **excellent participation, effort and kit record in S2 PE.**
- PE at Higher level counts as a Higher to any University or further education.

	<u>S4</u>	<u>S5/S6</u>	<u>After school</u>
Progression:	National 4 or 5 PE	National 5 or Higher PE/Rugby	PE coaching and development PE Teaching PE and fitness
	Leadership and Wellbeing	Advanced Higher PE	
		CSLA and Sport and Recreation.	

Physical Education Studies

Course content:

This course has been designed to introduce pupils to the work required for certificated PE. Although a qualification will not be given at the end of S3 the work which will be undertaken will prepare pupils for the S4 certificated course.

Aims of the Course

- To improve physical performance.
- To develop knowledge and understanding of factors that impact performance.
- To further develop pupil interest in a range of activities, including swimming.

Activities

This is a one year course where pupils will participate in a variety of activities. There will be an element of flexibility for which activities will run depending upon pupil uptake/interest.

Course Units:

Performance Skills: - Pupils will have the opportunity to develop a range of simple and complex performance skills and develop aspects of fitness through a variety of activities. Pupils' practical assessment will be based upon an average of their two best activities.

Evaluating Performance: - Pupils will explore a range of factors which can positively and negatively impact engagement and performance in physical activities. This will involve classroom periods to consolidate learning from practical sessions.

Additional Information:

- This course involves 3 periods per week.
- You must complete all components of this course and aim to be 'secure' in all outcomes and experiences.
- Suitable for enthusiastic pupils who have an **excellent participation, effort and kit record in S2 PE**.
- PE at Higher level counts as a Higher to any University or further education.

	<u>S4</u>	<u>S5/S6</u>	<u>After school</u>
Progression:	National 4 or 5 PE or Rugby	National 5 or Higher PE/Rugby	PE coaching and development
	Leadership and Wellbeing	Advanced Higher PE	PE Teaching
		CSLA and Sport and Recreation.	PE and fitness

Rugby Union - School of Rugby

Course Content:

This course is designed to build on from the S2 SoR programme and further develop learner's abilities in Rugby Union as well as adding to their HWB Experiences and Outcomes. This one year course will prepare learners for National 4/5 PE through Rugby Union course in S4.

Aims of the Course:

- To improve performance in Rugby Union
- To further develop and foster enjoyment of Rugby Union
- To gain knowledge of the factors that impact on performance in Rugby Union
- To gain knowledge of Nutritional, Mental and Tactical considerations in Rugby Union.
- Assessment is internal and on a Pass/Fail Basis.

Activities include but are not limited to:

- Rugby Union lessons and fixtures
- Fitness classes and fitness testing
- Swimming for recovery
- Professional Rugby union player visits.

Additional Information:

- This course involves three periods a week as well as two core periods of PE.
- It is expected that you will take part in all SoR fixtures.
- A 'Growth Mindset' is expected from all learners.
- Rugby Union is a great game and everyone is welcome as long as your effort, participation and kit is of the highest standard.

SPANISH

Do you really need an excuse to learn what has to be one of the world's most popular and widely spoken languages? Every year an estimated 17 million British people holiday in Spanish speaking countries. Think how much more enjoyable your trip would be if you could order your meal in Spanish, be able to greet local people in their own language or understand the lyrics of that catchy tune they play everywhere? A little bit of Spanish can go a long way!

Apart from the advantages for holidays, Spanish is highly sought after by employers. More and more companies are now developing links with Latin America so this is a language that is really important for business! The British Council's "Languages for the future" report places Spanish as the second top language for cultural, educational, diplomatic and security purposes. The possibilities are endless and remember that Spanish is spoken around the world! Did you know that:

- Over 400 million people speak Spanish!
- It is an official language in 21 countries!
- Within the next 50 years, it will be the first language of 50% of the population of the USA!
- It is the third most used language on the Internet!
- Spanish spelling is really easy!
- There are loads of high street brand names which are Spanish companies! Zara, Santander and O2 are all Spanish owned companies.

PROGRESSION: Spanish is open to all pupils and the course will provide you with the basics of Spanish and prepare you for studying National 4 or National 5 in fourth year. Throughout the course you will be working on the following skills:

- Reading
- Writing
- Talking
- Listening
- Grammar knowledge
- Employability
- Citizenship
- Thinking



All of these are transferable skills which employers are actively seeking. If you would like any more information speak to a member of the Modern Languages Department.

Practical Craft Skills

Course structure

The Course is practical in nature. It focuses on skills of practical crafts techniques and standard practice, allowing learners to develop a range of practical skills, using woodworking as the means by which these techniques and skills can be developed.

Learners will have developed skills in the correct use of tools and equipment and a range of woodworking materials. Learners will also have gained an appreciation of safe working practices in a workshop environment.

The Course comprises three Units.

Working with Tools (National 3)

In this Unit, learners will develop knowledge of a range of common tools and equipment used in woodworking and/or metalworking. The learner will also develop skills for measuring and marking out and for preliminary cutting and shaping of materials.

Working with Materials (National 3)

In this Unit, learners will develop skills in working with different woodworking and/or metalworking materials. This Unit helps learners to develop skills in cutting, shaping, fixing and joining materials, using a variety of appropriate craft techniques.

Making an Item (National 3)

In this Unit, learners will develop skills in making an item from wood, metal or a combination of these materials. Learners will learn to read and interpret simple working drawings, select and use tools safely, apply appropriate finishing techniques and review their completed item.

In each of the three Units, learners will develop an appreciation of safe working practices in a workshop environment. They will also develop knowledge of good practice in sustainability and recycling.

If you need any further information, please speak to any member of the Technical.



Graphic Communication

What is it? - definition:

Manual and computer-aided drawing course teaching you how to read, understand and present different types of **graphics**

How much time will you have to do this subject?

3 periods per week



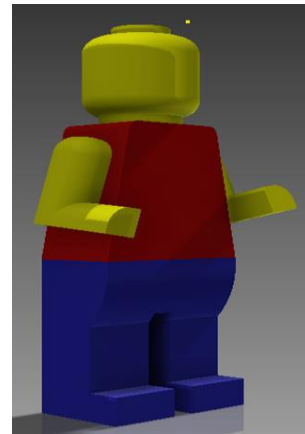
A graphic communication class at work

What will I do in Graphic Communication?

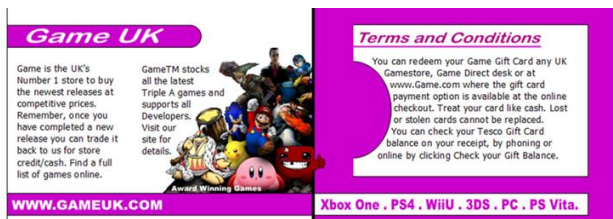
Graphic Communication is a new and dynamic subject which teaches you how to draw both manually and on the computer. You will learn how to present your ideas and drawings using **manual** and **computer-aided** techniques using the latest 3D modeling software

Skills Summary:

- Orthographic drawing
- 3D drawing
- Sectional drawing
- Engineering drawing
- Building/architectural drawing
- CAD/CAG (computer-aided drawing /graphics)
- 3D computer modelling
- DTP (desk top publishing)
- Freehand sketching
- Model making and packaging design
- Colour and tone rendering using pencils and marker pens
- Drawing layout and presentation
- Production of presentation graphs -*manual and computer-aided*



Computer generated 3D engineering drawing



Example of DTP (Desk Top Publishing)



Example of rendering

Employment and Career Paths using Graphic Communication:

civil engineering, mechanical engineering, marine engineering, aeronautical engineering, architecture, marketing and business, fashion and textile design, interior design, media studies

Design and Manufacture

What is it? - definition:

- This is a practical/theory and design based course teaching you how to design and make projects using different materials while learning about industrial/workshop manufacturing techniques as used in today's world of work

How much time will you have to do this subject?

3 periods per week

What will I do in Design and Manufacture?

- - design and make projects using wood, metal and plastic
- - Gain knowledge of tools and materials
- - learn how to use modern and traditional crafting techniques
- - Gain knowledge of manufacturing processes
- - measuring and marking out skills
- - how to use and apply the design process
- - sketching and drawing
- - material selection
- - product evaluations



Skills Summary:

- Reading and making orthographic drawing
- 3D drawing
- 3D computer modelling
- DTP (desk top publishing)
- freehand sketching
- Using tools and Machines
- Developing FEEDSCAMMP knowledge



Employment and Career Paths using Design and Manufacture:

civil engineering, mechanical engineering, marine engineering, aeronautical engineering, architecture, marketing and business, fashion and textile design, interior design, media studies

Biology

Why Biology?

The course shows you the importance of Biology in everyday life. It is the study of living organisms, including plants and animals and the effect they have on the environment around us.

Course Outline

The course is split into 3 units and covers the following topics.

Unit 1 - Biodiversity & Interdependence

Interdependence and adaptation

Nitrogen Cycle

Respiration

Plants

Unit 2 - Body Systems & Growth

Biotechnology

Human Body

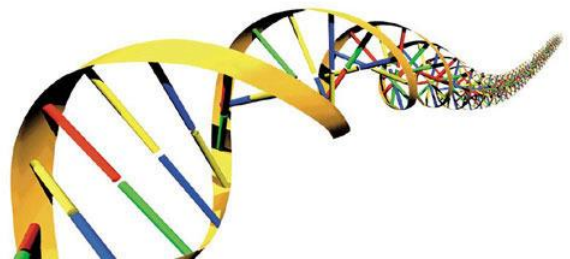
Animal Behaviour

Unit 3- Cells & Inheritance

Inheritance

Genetic Engineering

Stem Cell research



Progression

Successful completion of this course will allow you to continue your studies at National 4 or National 5 level.

Career Areas A course in Biology will be very useful for a wide range of careers. Please research your chosen career path to find out if Biology is a recommended subject area for you to study.

Chemistry

Why Chemistry?

The course shows you the importance of Chemistry in everyday life and helps you to understand the nature of many materials we use, such as plastic, fuel and metals. You will find out how substances are made up and how chemical reactions can change things.

Course Outline

You will study the following topics;

Bonding and Structure

The Periodic Table
Properties of Elements
Structure of the Atom
Pure substances & mixtures

Carbon in Society

Natural resources
Carbon chemistry
Finite resources

Rates of Reaction

Chemical reactions
Reaction rates
Energy changes

Novel Materials

Metals & Electrochemistry

The reactivity series
Cells & batteries

Progression

Successful completion of this course will allow you to continue your studies at National 4 or National 5 level.

Career Areas

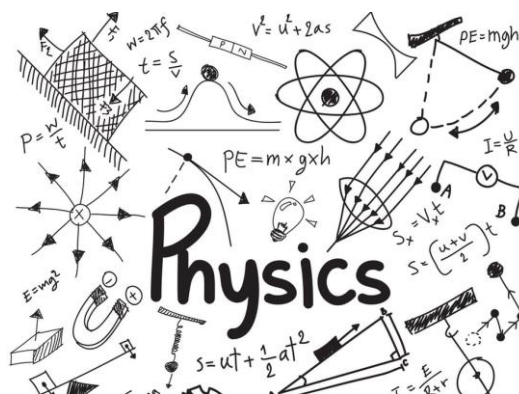
A course in Chemistry will be very useful for a wide range of careers. Please research your chosen career path to find out if Chemistry is a recommended subject area for you to study.



Physics

The S3 physics course includes the following topics;

- Dynamics
- Electricity
- Waves
- Gas Laws
- Sound Engineering



From Dynamics pupils will learn:

- How to measure and display the speed and acceleration of objects.
- How to describe the motion of an object and how the motion is related to the forces acting on that object.

From Electricity pupils will learn:

- How to develop their previous knowledge of circuits, voltage, current and resistance and apply it to solve practical problems.

From Waves pupils will learn:

- How to identify different types of waves and the characteristics of waves.
- How waves can be useful in different contexts.

From Gas Laws pupils will learn:

- How about the kinetic model of a gas.
- The relationships between pressure, volume and temperature.

From Sound Engineering pupils will learn:

- How to engineer sound using audacity software.
- To create a radio programme to include an interview, music and a radio jingle.

Progression:

Successful completion of this course will allow you to continue your studies at National 4 or National 5 level.

Career Areas:

A course in Physics will be very useful for a wide range of careers. Please research your chosen career path to find out if Physics is a recommended subject area for you to study.

SCIENCE



Science is an important part of our heritage and we use its applications every day in our lives at work, at leisure and in the home. There are three discrete areas of Science; Biology, Chemistry and Physics. Each of these sciences will allow pupils to;

- develop curiosity and understanding of the environment and my place in the living, material and physical world
- demonstrate a secure knowledge and understanding of the big ideas and concepts of the sciences
- develop skills for learning, life and work
- develop the skills of scientific inquiry and investigation using practical techniques
- develop skills in the accurate use of scientific language, formulae and equations
- apply safety measures and take necessary actions to control risk and hazards
- recognise the impact the sciences make on my life, the lives of others, the environment and on society
- recognise the role of creativity and inventiveness in the development of the sciences
- develop an understanding of the Earth's resources and the need for responsible use of them
- express opinions and make decisions on social, moral, ethical, economic and environmental issues based upon sound understanding
- develop as a scientifically-literate citizen with a lifelong interest in the sciences
- establish the foundation for more advanced learning and future careers in the sciences and the technologies.

Why Science?

The course shows you the importance of Biology, Chemistry and Physics in everyday life. It is the study of the three main areas of Science covering plants and animals, fuels and chemical reactions as well as Mechanics, Electricity and Electromagnetism.

Progression

Successful completion of this course will give you the opportunity to continue your studies at National 4 Science, Biology, Chemistry or Physics

Social Subjects



Geography

Introduction

Through the study of Geography pupils will develop an understanding of our changing world and its human and physical processes. Opportunities for practical activities, including fieldwork, will be encouraged, so that learners can interact with their environment. In the 21st century, with growing awareness of the impact of human activity on the environment and scarce resources, the study of Geography fosters positive life-long attitudes of environmental stewardship, sustainability and global citizenship.

A qualification in Geography can help pupils prepare for a career in cartography, environmental work, Conservation, leisure and recreation, surveying, teaching, town planning and travel and tourism.

Levels offered

Geography will be offered to all students in S3 with the view of progression to National 4 and National 5 levels.

Course Outline

Unit 1: Population

Learners who complete this Unit will be able to:

- Describe and Explain why the physical environment influences where people live.
- Identify how we can measure the development of countries throughout the world.

Unit 2: Rural Environments

Learners who complete this Unit will be able to:

- Describe how farming has changed in both the developed and developing world.
- Explain the advantages and disadvantages of these changes.

Unit 3: Weather

Learners who complete this Unit will be able to:

- Explain the formation of different weather systems that influence us in the UK.
- Describe how and why air masses affect our local weather
- Work as a team to create their own classroom weather station



Unit 4: Glaciation

Learners who complete this Unit will be able to:

- Explain the formation of different physical features in our landscape during the glacial period.
- Develop map skills through identifying these features on a map.

Unit 5: Urban Environments

Learners who complete this Unit will be able to:

- Discuss the characteristics of Glasgow and explain the recent changes that have taken place.
- Identify issues of living in a slum.
- Give possible solutions to the issues of living in a slum.
- Develop map skills through identifying characteristics of a city on a map.

Assessment

End of Unit Summative assessments and formative ongoing assessments.



Modern Studies

Introduction

Modern Studies enables young people to develop as citizens and to become aware of their role in a changing world. It equips young people to make informed choices and to effectively participate in social and political affairs.

A qualification in Modern Studies can help pupils prepare for a career in many fields including the Civil Service, Journalism, Law, Management, Police and Teaching.

Levels Offered

Modern Studies will be offered to all students in S3 with the view of progression to a National 4 and National 5 levels.

Unit 1: Nuclear Threat

Pupils will explore the growth of nuclear weapons during WWII which then leads into the Cold War where the world was on the brink of destruction. The focus will then shift to nuclear weapons in today's world by examining countries who possess a nuclear arsenal, the consequences nuclear weapons pose and what can be done to reduce the threat of nuclear war.

Unit 2: Social Issues - Crime and the Law

Pupils will explore ...

Unit 3: World Powers - USA

Pupils will explore the social and political situation within America, the world's greatest superpower. Pupils will examine the a range of interesting and controversial issues that exist in America such as immigration, gun crime, gang crime, police racism and brutality as well as interest groups.

Assessment

End of Unit Summative Assessments and Formative Ongoing Assessments.

Pupils will also complete a S3 Modern Studies Exam.

History

Introduction

History enables young people to develop a range of skills including the ability to apply a detailed historical perspective and evaluate sources in a range of contexts. They will also develop a detailed understanding of the factors contributing to, and the impact of, historical events. These include skills that can be applied out with history and will provide value in further education and the work place.

A qualification in History can help pupils prepare for a career in many fields including library and information work, exhibition design, archaeology, civil service, museum work and teaching.

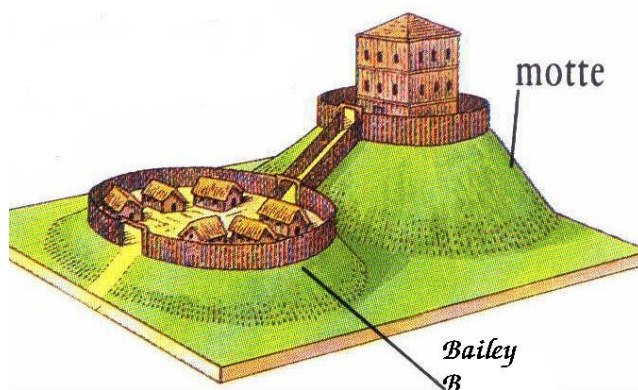
Levels offered

History will be offered to all students in S3 with the view of progression to at National 4 and National 5 levels.

Unit - British Medieval History

This unit allows pupils to:

- Develop techniques to comment on historical sources.
- Develop knowledge and understanding of the changes that occurred due to the Noman invasion of 1066



Assessment

End of Unit Summative assessments and formative ongoing assessments.

