

Portlethen Academy

S2 into S3 Personalisation Course Booklet January 2016



Subjects for S3

Expressive Arts: Art and Design

Course Outline:



The Art Department have developed an exciting and engaging 3rd year course which will be split into two strands.

Strand 1 – Comprises of **Projects** building on skills gained in S1 and S2 which gives pupils the experience of a range of topics in expressive and design activities. Introducing artists and designers is part of this course and will permeate throughout the projects.

Strand 2 concentrates on **Power Drawing**. Pupils will build on their skills and experience new, fun and innovative techniques, which will prepare them for a future in the creative world.

1 Projects

The teacher will guide the class through a series of stimulating art projects, which will allow them to build on prior learning and improve their confidence levels as they progress. Project topics could relate to fashion; textile and jewellery design; junk sculpture; clay and model making; computer graphics; funky painting techniques; puppetry; photography; film making and animation. Introducing and learning about the way modern and traditional artists and designers work is part of this course and will complement the projects.

2 Power Drawing

We aim to introduce our pupils to a variety of different forms that 'drawing' can take. Power Drawing will involve using many different approaches and materials - draw by using wire in the air to make a sculpture; draw into a prepared clay surface; draw using a scratching tool/block printing; draw blindfold, draw in a huge scale; draw tiny scale etc. Power Drawing lessons will generally be punchy and fast to build up skills, experience and enthusiasm quickly.

Expressive Arts: Drama



Course Outline:

The aim of the Drama Course is to further develop the skills of all pupils to become successful learners, confident individuals, responsible citizens and effective contributors.

This Course would be of benefit to those pupils who have a genuine interest in theatre and performing. Activities will be a mix of language-based and movement-based presentations ... Scriptwork, Improvisation, Melodrama, Mime, Theatre Arts, Directing, Acting and Presentation Skills.

All pupils are expected to perform to a live audience on a regular basis. Pupils will be asked to evaluate their own work, as well as the work of others to form part of their Drama Folio. Video evidence will also be included.

Pupils are expected to attend the theatre as part of a school trip and/or personal visit. Homework will consist of Drama Knowledge and Understanding, learning lines, researching characters, making/devising costume and props and keeping the Drama Folio updated.

Expressive Arts: Music

Course Outline:



Course Outline:

Pupils will specialise in performing on two instruments, incorporating self/peer assessment and group performing. Additionally, pupils will use a variety of technologies and software (Audacity, Protools, Zoom digital recorder) to produce recordings and original compositions. Pupils will assume the roles of sound engineer, performer, manager, etc., and rotate between them.

Pupils will also work towards a Presentation, including planning and organising aspects such as: tickets, marketing, rehearsing, programme structure, etc. – and performing.

Health and wellbeing: Home Economics

Course Outline:



The aim of this dynamic and interactive course is to enable all learners to develop their knowledge and skills as they progress through S3 and to provide them with a solid foundation for successful completion of qualifications in S4 –S6.

- Pupils will be required to study a range of topical and current developments occurring within the context of Health and Food Technology.
- The course will focus on establishing an awareness of current dietary issues, relating to both individuals and specific dietary groups of the community who have different needs & requirements.
- Pupils will be given the opportunity to investigate the importance of balanced diets & healthy lifestyles, developing skills and an awareness of safe and hygienic food practices in all aspects of food preparation.
- In addition, an introduction to the skills required for further study within the Hospitality Industry will be taught where pupils will gain confidence, independence and self-awareness when handling a range of food ingredients, cookery processes and techniques.

This course is suitable for all pupils; it offers opportunities for a range of qualifications in senior school and equips our young people with essential life-skills.

Health and Wellbeing: Physical Education



Course Outline:

This course enables all learners to succeed in a range of physical activities. Through analysing performance, learners will understand what is required to improve performance and to become more effective performers. There are 2 main units.

Performance Skills

Learners will experience a range of activities with the focus on five main activities. Performers will build their capacity to perform in these key activities.

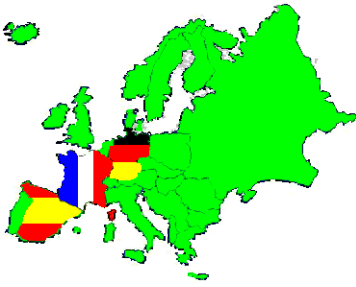
Factors Impacting on Performance

Pupils will be taught to talk, write and demonstrate their knowledge and understanding of key features which impact on improving sporting performance. They will then be able to consider if their training and practising was effective and will make an impact on future performances. Some lessons may be classroom based and others will involve worksheets and ICT (especially video work) to support learning in the practical setting.

There will be worksheets set as homework tasks. Many of these will be available in a GLOW group. What you need to have

- A genuine interest in participation in sport and practical activities and a willingness to learn new skills and techniques.
- An ability to listen and learn by observing your teacher and peer

Languages: French, German and Spanish



Course Outline:

French/Spanish (continuers) – Understanding language, lifestyle and culture

You will work individually and in groups to further develop the four skills of listening and talking, reading and writing in French/Spanish as well as developing and extending your literacy and communication skills. By studying this course, you will be able to:

- understand and express yourself in increasing detail and complexity.
- gain a deeper understanding of your own language and appreciate the interconnected nature of languages.
- enhance your understanding and enjoyment of other cultures and see similarities and differences with Scottish culture.
- find out about other ways of thinking and other views of the world through citizenship studies.
- develop skills that you can use and enjoy in work and leisure throughout life.

You will learn to communicate effectively and with confidence in French/Spanish by developing talking and writing skills.

You will learn to use and create a wide range of texts for reading and listening whilst taking advantage of ICT resources to access texts and engage with others within school and beyond.

You will learn about the lifestyles and culture in French/Spanish speaking countries in Europe and beyond through topics such as Travel and Tourism, Healthy Lifestyles, Global Citizenship, Relationships and Film and Media Studies

You will be assessed on your ability to communicate effectively and with confidence in talking and writing by your teacher and by your peers. The quality of work in your folio will also be assessed by your teacher. There will be on-going in class assessment of your skills development in reading, listening, talking and writing through individual and group work.

ICT will be frequently used throughout the course and you will be expected to use GLOW at home and in school to help you with class and homework.

Beginners French, Spanish or German

As a beginner, starting to learn a new language, you will be able to apply your prior learning and knowledge from S1/ S2 French or Spanish about how language works in a new context to quickly pick up the basics. By studying this course, you will be able to:

- understand and express yourself in another modern language to be able to communicate effectively at a basic level.
- gain a deeper understanding of your own language and appreciate the interconnected nature of languages.
- enhance your understanding and enjoyment of other cultures and see similarities and differences with Scottish culture.
- find out about other ways of thinking and other views of the world through citizenship studies.
- develop skills that you can use and enjoy in work and leisure throughout life.

As a pupil who has shown aptitude in S1/2, you will join a class of continuers in learning another Modern Language. You will follow the same topics as the others in your class, but the pace of learning will be much quicker for you as a beginner. Additional help to get beginners started will be available in the term before you start your new courses. In the case of German, you will study a one year beginner's course. Whether this course runs will depend on the number of pupils interested.

You must be prepared to study and learn new vocabulary and grammatical structures at home on a regular basis.

You must take responsibility for your own learning in both individual and group work.

You must be prepared to be fully involved in and contribute effectively in all group discussions and tasks.

SKILLS FOR LEARNING COURSES

These courses will provide increased opportunity to improve skills for learning to help pupils to access appropriate national courses in S4.

Courses will include:-

xl

This programme is designed to create a positive and informal learning experience for young people who work together on practical learning activities. This course is delivered by guidance staff trained in xl.

There are five main activity areas

Personal, interpersonal and team skills

Active citizenship

Enterprise

Preparation for work

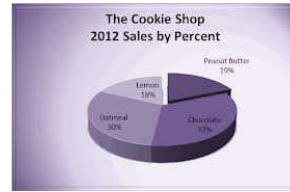
Enrichment

Language for Living

This course will be a flexible package organised mainly in the English department with an emphasis on improving English language by participating in a series of projects which relate to everyday living. This course will help pupils to develop not only their reading, writing and talking skills but also their skills for life and work.

Mathematics – (Taken by all)

Course Outline:



Mathematics is important in our everyday life. It equips us with the skills we need to interpret and analyse information, simplify and solve problems, assess risk and make informed decisions.

In S3 pupils will continue to cover Mathematics and Numeracy Experiences and Outcomes, taking into account their prior learning in S1 and S2.

The mathematics experiences and outcomes are structured within three main organisers, each of which contains a number of subdivisions:

Number, money and measure

- Estimation and rounding
- Number and number processes
- Multiples, factors and primes
- Powers and roots
- Fractions, decimal fractions and percentages
- Money
- Time
- Measurement
- Mathematics – its impact on the world, past, present and future
- Patterns and relationships
- Expressions and equations.

Shape, position and movement

- Properties of 2D shapes and 3D objects
- Angle, symmetry and transformation.

Information handling

- Data and analysis
- Ideas of chance and uncertainty.

Pupils will revisit and extend their knowledge in these areas throughout S3.

Religious and Moral Education: Taken by all

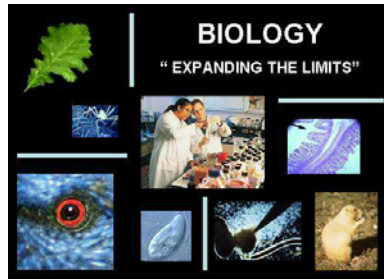
Course Outline:

S3 pupils will investigate moral issues to do with the environment and prejudice. Pupils explore different responses to each issue then work in teams to produce activities and workshops for “Eco Day” and for the anti-racism festival “Threads in the Tartan”.

S3 pupils are expected to develop skills in research, team work and communication. Pupils are encouraged to think about their role as active citizens in their community and how beliefs can affect people’s actions.

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Science: Biology



Course Outline:

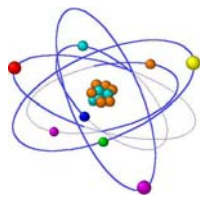
S3 Biology builds on the experiences and outcomes met at level 3 in S1 and S2 and should encourage students to develop a curiosity and understanding of their environment and themselves through active learning.

The topics to be covered up to level 4 are:-

- Biodiversity and Interdependence (the importance of adaptation of species, plant propagation, aerobic respiration and nutrient cycling)
- Body Systems and Cells – ‘All Systems are Go’(homeostasis and learned behaviour) and Biology for the Future (cell division, enzymes, microbes and biological ethics)
- Inheritance – ‘Genes for Genes’ (growth, sexual and asexual reproduction, genetics and DNA).

Permeating through all of these are topical Science issues related to Scotland and new developments in Biology and their implications on our society.

Science: Chemistry



Course Outline:

S3 Chemistry builds on the outcomes and experiences already encountered in S1 and S2. Whilst maintaining the principles of a broad science education, it gives a good preparation for further study of science in the senior phase by exposing pupils to level 4 outcomes in Chemistry

This course aims to show the importance of Chemistry in all our lives and help develop an understanding of the nature of the many materials we encounter every day.

The course covers the following topics:

- Structure of atoms and how they join together
- Fossil fuels and carbon compounds from oil
- Metals, batteries and reactivity

The course uses a variety of teaching styles including whole class, group work and individual study. Most topics will involve written work as well as practical experiments and investigations.

Science: Physics



Course Outline:

Third year Physics will continue on from the S2 Curriculum for Excellence course. The curricular areas and subtopics are as follows:-

Energy Sources and Sustainability – Comparing Energy Sources

Processes of the Planet – Gases on the Move

Space – Telescopes, Signals from Space, the Expanding Universe

Forces – Car Crash Physics, Magnets and Electromagnets, How Dense are You?

Electricity – Practical circuits, Simple Electronics

Vibrations and Waves – Basic Sound Engineering, the Electromagnetic Spectrum

Project – Physics in the News

Technologies: Design and Technology



Course Outline:

This course is designed to enable you to achieve all of the relevant level 3 outcomes (for craft, design, engineering and graphics contexts) and as many of the level 4 outcomes as you can.

It covers units of work in all three of the subjects offered by the Design and Technology Department in S4, namely:-

Design & Manufacture You will produce folios of design work for a range of products to be made from wood, metal and plastic, you will then go on to manufacture these items and finally evaluate the success of your finished products.

Graphic Communication You will design and create a range of graphic items, both manually and electronically.

Engineering Science You will design, simulate, construct and test electronic and programmable systems to solve real life problems.

At the end of this course you will be able, if you wish, to continue your studies in one of these three subjects into S4. You could opt to choose one at either National 4 or National 5 level, depending upon your level of achievement in S3.

Some possible careers: - mechanical engineer, architect, graphic designer, all construction trades, electronic engineer, product designer, surveyor, motor vehicle maintenance and repair, civil engineer, technician, welder, marine engineering,

Some website addresses that will give additional information about work in this field:

<http://www.Itscotland.org.uk/myexperiencesandoutcomes/technologies/craftdesignengineeringandgraphics/index.asp>

<http://www.sqa.org.uk/sqa/48034.html>

<http://www.technologystudent.com/>

<http://www.bbc.co.uk/schools/gcsebitesize/design/>

<http://www.design-technology.org/>

<http://www.data.org.uk/>

<http://www.designandtech.com/>

<http://www.yenka.com/technology/>

Woodworking

A small group may be set up who will be studying Practical Woodworking only. This is almost entirely a practical course, based in the workshops, which offers little or no scope for you to design your own products. It offers some progression into S4 but a much narrower range of possible career opportunities.

Technology: Computing Science

Course Outline:



The S3 Computing Science Course builds on the Level 3 experiences and outcomes and focuses on the Level 4 Outcomes in the following areas:

- Multimedia: creating web pages containing text, graphics, sound, animation and video
- Creating Computer Games: learning a programming language through computer games environments or mobile apps
- Creating Apps: Programming apps for iphones and Android phones
- Graphics and Animation: creating graphics and animations using key frame and stop frame animation software

Technologies : Business Awareness

Course Outline:



The S3 Business Awareness course is designed to give pupils experience of the subject areas that may be chosen for qualifications in S4. These are Administration and IT, Business and Accounting.

The following topics will be covered:

BUSINESS:

- What is meant by 'Business' and why the success of the UK's business community is important to all of us.
- How businesses are structured
- Stakeholders in business
- The resources used in business
- Methods of Production
- Imports and Exports
- Health and Safety in the workplace
- Business Ethics

ADMINISTRATION:

- Layout of a Business Letter
- The role of the Office Junior
- Keeping an Electronic Diary
- Keeping a Supplier Database
- Merging a letter with a database
- Use of spreadsheets in the office
- A project containing office-related ICT tasks using a variety of software

ACCOUNTING:

- Why keeping financial records is important in business
- Choosing suppliers and recording receipts and issues of stock
- Advantages and disadvantages of electronic bank transfers
- Petty Cash and how its use is recorded
- Job Costing

Opportunities will be provided, where appropriate, to practise the skills learned in real-life business contexts, for example, participation in Wild Hearts Micro Tyco initiative or similar.

Social Studies: Geography

Course Outline:



Are you interested in Scotland's future? The world is changing all the time and so is Scotland's place in it. In Geography, pupils will study some of the major challenges facing Scotland and the world today.

SCOTLAND'S ENERGY FUTURE

The energy industry is one of the most important in Scotland and the world. Meeting our future energy needs in a way that doesn't harm people or the environment is one of the greatest challenges facing our society.

In this unit we will look at areas such as:

- What is energy?
- Where do we get it from?
- Climate change: Myth or reality?
- Can we save our planet?
- What is Scotland's energy future?

SUSTAINABLE SCOTLAND

Scotland and its people are changing and so is the way that we live our lives.

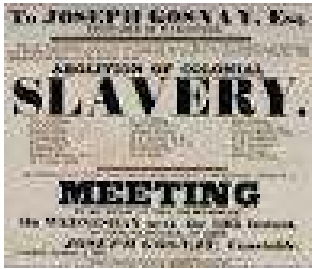
In this unit we will look at areas such as:

- How is Scotland's population changing?
- What will tomorrow's towns and cities look like?
- Trains, planes or cars: how will we travel in the future?
- Case study: Investigate a major development project in Scotland: for example, Edinburgh Trams, Union Terrace Gardens, Aberdeen By-Pass, Eco-towns in Aberdeenshire???
- Fieldwork: Carry out a fieldwork investigation

The course will develop pupil's knowledge of Scotland and the fast changing world and give pupils the skills needed to take on the many challenges presented by these changes.

Social Studies: History

Course Outline:



In History pupils will study three topics. By studying these topics pupils will learn about past life both in Scotland and elsewhere in the world.

The Holocaust

We will find out about prejudice and the extreme dangers which can result by studying a period in history known as the Holocaust. This will include learning about:

- Anti-Semitism
- Life for Jews in Nazi Germany.
- Anne Frank
- The Death Camps.

The Atlantic Slave Trade

We will discover the impact of the slave trade by studying:

- The Triangular Trade
- Scottish involvement in the slave trade
- The slave experience
- The abolitionist campaign

The American Civil War and the Civil Rights Movement

We will study the impact of the Civil War on the USA and the Civil Rights Movement in the 1950s and 1960s by looking at:

- The causes and events of the American Civil War
- The growth of the Civil Rights Movement
- Civil Rights Protests
- Key Civil Rights Leaders

Pupils will utilise a variety of resources to enhance their learning experience as they study these diverse and interesting topics.

Social Studies: Modern Studies

Course Outline:



In Modern studies the pupils will study two topics. These are two of the most current and fascinating issues affecting the lives of people in Scotland and the UK.

How is Scotland Governed?

We will study how Nicola Sturgeon and her Government affect your lives.

We will look at such areas as:

- How does the Scottish Executive Work?
- What are their powers?
- How do we vote for these Scottish Politicians?
- The Scottish political media
- Scottish pressure groups
- Case study on a Scottish pressure group

Europe and us?

How does the European Union affect Scotland and the UK?

We will look at such areas as:

- How do the people of Europe live and work?
- The Euro; good or bad?
- Should we cooperate in Europe to create armies and navies?
- Case Study: Compare the lifestyles between a community in the UK and a community in another European Union country: living standards, education, housing, family life and leisure. France, Germany and Italy.

We will use textbooks, powerpoint presentations, websites, films, TV and many more resources to investigate these two important topics in modern life.