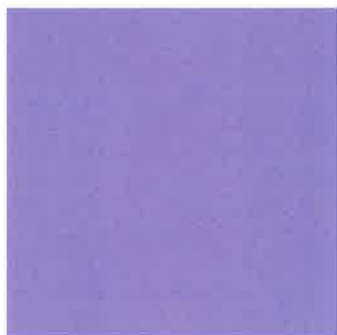


Barrhead High School



S5/6 NATIONAL 5 COURSES FOR SESSION 2016-17

This booklet contains courses that – depending on demand – may be offered next session. Please read this booklet prior to your option interview with Pastoral Support Staff.



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CHOOSING SUBJECTS

What should I think about?

When you are thinking about what 5 subjects you should be choosing next year there are a number of factors you should take into account

- There are no option columns to begin with in the Senior School. Pupils going into S5 and S6 make a free choice and the 5 columns are decided by a 'Best Fit' policy.
- You should where possible continue with the subjects you studied in either S4 or S5 – continuity to the next level is the best option. There are occasions where picking up a new subject is desirable.
- You should have researched college courses, University courses to see which subjects/levels are entry requirements for the coming Session 2016-2017 – remember these can change from year to year.
- You should look at recommended levels for courses within this booklet and talk to your class teacher regarding progression.
- If crashing a Higher eg RMPS, Modern Studies, you should look at recommended subject requirements.
- Courses will commence June 2016 and it is important that you attend. Changes can be made in August
- Even if you are opting for the vocational college courses you must choose 5 subjects.



National (5) Administration and IT

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an internal assessment prior to SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

National 4 Administration and IT or Int 1 A/B Administration

WHAT IS THE COURSE DESIGN?

Unit 1 IT Solutions for Administrators

Pupils will further develop their IT skills using the following packages;

- Word processing;
- Spreadsheets;
- Databases.

Unit 2 Communication in Administration

Pupils will further develop their IT skills in gathering and sharing information and will learn to:

- Search for and download information from the internet;
- Outline key features of reliable sources of information;
- Explain the consequences of using unreliable internet sources of information.

Unit 3 Administrative Practices

Pupils will further their knowledge of the Administrative function in the workplace and will learn about:

- The skills, qualities and duties of an Administrative Assistant;
- Customer Care;
- Health and Safety;
- Security of people, property and information.

HOW IS THIS SUBJECT ASSESSED?

In this course there are 3 unit assessments. Final course assessment at the end of S4 which will be completed during class time and the time allocated for this is 4 hours.



National (5) Art



WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Art or A/B at Int 1 Art

WHAT IS THE COURSE DESIGN?

Unit 1: Art & design studies (A&D Studies)

The Art & Design unit helps to support the Expressive and Design units. The Art & Design studies focuses on the work on painters, sculptors and designers.

Unit 2: Expressive

The expressive unit focuses on **your** ideas and imagination, **your** observational skills (drawing etc) and your ability to explore and handle a variety of media (charcoal, inks, pastel, paint, etc).

The main area of study will be Still Life and Portraiture.

Unit 3: Design

The design unit focuses on problem solving and experimental ideas and solutions in response to a design brief which you have evolved. This can include computer generated work.

The design brief is based on Fashion Design.

HOW IS THIS SUBJECT ASSESSED?

Practical assessment

- Expressive (portraiture, still-life)
- Design (Fashion)

Written assessment

Two Art & Design Studies (Expressive and Design)



National (5) Biology

Biology

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Biology or A/B at Int 1 Biology

WHAT IS THE COURSE DESIGN?

Unit 1 – Cell Biology

The unit comprises cell structure; transport across cell membranes; producing new cells; DNA and the production of proteins; proteins and enzymes; genetic engineering; photosynthesis and respiration.

Unit 2 – Multicellular Organisms

The unit comprises cells, tissues and organs; stem cells and meristems; control and communication; reproduction; variation and inheritance; the need for transport and the effects of lifestyle choices on animal transport and exchange systems.

Unit 3 – Life on Earth

The unit comprises biodiversity and the distribution of life; energy in ecosystems; abiotic and biotic factors; adaptation, natural selection and the evolution of species and human impact on the environment.

HOW IS THIS SUBJECT ASSESSED?

There is an end of course external final exam which will contribute 80% to the final grade. 20% will be provided by an assignment where learners will carry out a meaningful and appropriately challenging task in biology.



National (5) Business Management

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Business or A/B at Int 1 Business Management

WHAT IS THE COURSE DESIGN?

Unit 1 Understanding Business

Pupils will gain an understanding of the business environment and will learn:

- the key objectives and activities of small and medium business organisations;
- the internal and external factors which impact of business activity.

Unit 2 Management of People and Finance

Pupils will gain an understanding of the management of people and finance for small and medium businesses and will learn:

- how to recruit, train and motivate staff within a business;
- the sources of finance available to business;
- how to interpret financial documents such as cash budgets and profit and loss statements.

Unit 3 Management of Marketing and Operations

Pupils will gain an understanding of the management of marketing and operations for small and medium businesses and will learn:

- methods of market research as well as other key elements of the marketing function;
- methods of production and how to ensure a high quality product as well as other key elements of the operations function.

HOW IS THIS SUBJECT ASSESSED?

In this course there are 3 unit assessments. In May there is a final SQA question paper (weighted 70%) and an assignment to be completed in class time (weighted 30%)



National (5) Chemistry

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Chemistry or A/B at Int 1 Chemistry

WHAT IS THE COURSE DESIGN?

Unit 1 Chemical Changes & Structure

The Unit covers the key areas of chemical reactions in our world e.g. average rates of reactions, neutralisation reactions.

Unit 2 Nature's Chemistry

The Unit covers the key areas of the physical and chemical properties of Earth's rich supply of natural resources.

Unit 3 Chemistry in Society

The Unit covers the key areas of the chemistry of metals and their bonding, reactions and uses.

HOW IS THIS SUBJECT ASSESSED?

There is an end of course external final exam which will contribute 80% to the final grade. 20% will be provided by an assignment where learners will carry out a meaningful and appropriately challenging task in chemistry.



National (5) Computing Science

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Computing Science or A/B at Int 1 Computing

WHAT IS THE COURSE DESIGN?

Unit 1 – Information System Design and Development

The general aim of this Unit is for the learner to develop knowledge, understanding and practical problem-solving skills related to the design and development of information systems through a range of practical and investigative tasks.

Unit 2 - Software Design and Development

Learners will develop their programming and computational thinking skills by developing, implementing and testing practical solutions and explaining how these programs work. They will gain an understanding of how data and instructions are stored.

HOW IS THIS SUBJECT ASSESSED?

Each unit will be internally assessed using a variety of assessment methodologies. There will be a coursework assignment (weighted 40%) which will be submitted by the end of March in S5/6 and a final exam (weighted 60%).



National (5) English

WHAT IS THE COURSE STRUCTURE?

There are 2 Units in this course plus a Portfolio. There will also be an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 English or A/B at Int 1 English

WHAT IS THE COURSE DESIGN?

Unit 1 – ‘Creation and Production’

Unit 1 - **Creation and Production** - The ‘**creation and production**’ of detailed written texts and detailed spoken interactions.

Pupils must demonstrate the standard required by producing at least one written text using detailed written language and at least one spoken interaction using detailed language

Students will also produce a folio of written pieces demonstrating the breadth of their experience over the course. This is graded externally as part of their overall final assessment.

Unit 2 ‘Analysis and Evaluation’

Unit 2 - **Analysis and Evaluation**: The ‘**understanding, analysis and evaluation**’ of detailed written texts and of detailed spoken language.

The students will be asked to demonstrate their knowledge of fiction and non-fiction texts through response to unseen questions and in the creation of critical essays, spoken responses and discussions.

Students will also watch and listen to spoken language and be expected to show their knowledge of the spoken word. This will be demonstrated through responding to questions and tasks designed to test their understanding.

All students will be required to provide evidence of their reading and listening skills by understanding, analysing and evaluating at least one detailed written text and understanding/analysing and evaluating at least one detailed spoken language activity.

HOW IS THIS SUBJECT ASSESSED?

To gain the award of the course, the learner must pass all of the Units as well as the course assessment. Course assessment will provide the basis for grading attainment in the course award.
The final assessment (exam) involves

Component 1 — question paper: reading 70 marks (30 marks for a close reading exercise and 40 for critically responding to questions on texts studied in class (at least one of which is a Scottish text).

Component 2 — portfolio: writing 30 marks. This will be made up of essays produced in the course of the 2 years. The portfolio is submitted prior to exam.

Total	100 marks
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National (5) French

WHAT IS THE COURSE STRUCTURE?

There are 2 Units and an external SQA examination in May 2017.

1. French: Understanding Language
2. French: Using Language

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 French or A/B at Int 1 French

WHAT IS THE COURSE DESIGN?

Modern Languages: Understanding Language (National 5)

This unit provides learners with the opportunity to develop listening and reading skills, and to develop their knowledge of detailed language in familiar contexts.

Modern Languages: Using Language (National 5)

This unit provides learners with the opportunity to develop talking and writing skills, to develop their knowledge of detailed language in familiar contexts and to develop the skills needed to use a modern language in a range of contexts.

Conditions of award

To gain the award of the Course, the learner must pass all the Units as well as the Course assessment. Course assessment will provide the basis for grading attainment in the Course award.

HOW IS THIS SUBJECT ASSESSED?

The structure of this Course assessment is as follows:

- Component 1 — question paper: listening 20 marks
- Component 2 — question paper: reading and writing 50 marks
- Component 3 — performance: talking and listening 30 marks

Total marks 100 marks



National (5) Geography

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Geography or A/B at Int 1 Geography

WHAT IS THE COURSE DESIGN?

Unit 1 Physical Environments

Unit 1 looks at landscapes and weather. We will learn how glaciation has shaped Scotland's landscape and how its dramatic coastline was formed. Learners will learn how these landscapes are used and coming under threat from land uses such as tourism. The unit also covers the causes of Scotland's weather patterns and systems.

Unit 2 Human Environments

Unit 2 is a wide-ranging topic which looks at population issues, urban and rural change in more and less economically developed countries including current issues affecting life in Glasgow and Rio de Janeiro. We also study population changes across the world.

Unit 3 Global Issues

Unit 3 offers schools a choice of a range of global issues to explore and research. The choice of topics studied will be led by learners' choices which will be chosen from:

- Climate change and sustainability
- The impact of world climates (deserts, rainforests and polar regions)
- Environmental hazards (tropical storms, earthquakes and volcanoes)
- Trade and globalisation
- Development and health
- Tourism

HOW IS THIS SUBJECT ASSESSED?

Units will be assessed throughout the course with pupils generating evidence that they have achieved the required level of knowledge, understanding and skills through a combination of project work and more formal assessments for each of the three units above.

The course award will be assessed through an end of course exam accounting for 75% of the overall mark.

The remaining 25% will be assessed through an assignment. Learners have a high degree of choice in the topic or issue chosen for study.



National (5) History

History

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 History or A/B at Int 1 History

WHAT IS THE COURSE DESIGN?

Unit 1: The Wars of Independence

This unit looks at national identity and consciousness through the Anglo-Scottish wars of the thirteenth and fourteenth centuries, illustrating the themes of authority, conflict and identity. Pupils will study Scotland from Scotland 1286–96: the succession problem following the death of Alexander III; through to William Wallace, the reasons for and the progress of his rebellion; through to Robert the Bruce's conflict with and victory over his opponents.

Unit 2: The Making of Modern Britain, 1880-1951

This unit studies the changing role of central government in tackling the problem of poverty. It looks at the problems of poverty and the role of pre war Liberal reforms in tackling this. Learners will also study the social impact of World War II in Britain and subsequent Labour Reforms; the Welfare State 1945–51.

Unit 3: Free at Last? Civil Rights in the USA

This unit is a study of the development of race relations in the USA during the years 1918–68. It looks at the open door immigration policy and the changing attitudes to immigrations, the attitudes and activities of the Ku Klux Klan and the growing civil rights movement.

HOW IS THIS SUBJECT ASSESSED?

Units will be assessed throughout the course with pupils generating evidence that they have achieved the required level of knowledge, understanding and skills through a combination of project work and more formal assessments for each of the three units above.

The course award will be assessed through an end of course exam accounting for 75% of the overall mark.

The remaining 25% will be assessed through an assignment. Learners have a high degree of choice in the topic or issue chosen for study.



National (5) Hospitality: Practical Cookery

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an practical examination prior to SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Hospitality or A/B at Int 1 Hospitality

WHAT IS THE COURSE DESIGN?

Cookery Skills, Techniques and Processes

This Unit aims to enhance learners' cookery skills, food preparation techniques and their ability to follow cookery processes in the context of producing dishes.

Understanding and Using Ingredients

This Unit aims to enhance learners' knowledge and understanding of ingredients from a variety of different sources and of their characteristics. It also addresses the importance of sustainability, the responsible sourcing of ingredients and of current dietary advice.

Organisational Skills for Cooking

This Unit aims to extend learners' planning, organisational and ability to work safely and hygienically. They will also extend their time management skills. Learners will develop the ability to follow recipes; to plan, produce and cost dishes and meals ability to carry out an evaluation of the product.

HOW IS THIS SUBJECT ASSESSED?

To gain the award of the Course, the learner must pass all of the Units as well as the Course assessment. Course assessment will provide the basis for grading attainment in the Course award.

All Units are internally assessed against the requirements shown in the Unit Specification.

They can be assessed on a Unit-by-Unit basis or by combined assessment.

They will be assessed on a pass/fail basis.



National (5) Mathematics

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Maths or A/B at Int 1 Maths

WHAT IS THE COURSE DESIGN?

Unit 1 Expressions and Formulae

The general aim of this Unit is to develop skills linked to mathematical expressions and formulae. These include the manipulation of abstract terms, the simplification of expressions and the evaluation of formulae. The Outcomes cover aspects of number, algebra, geometry and reasoning.

Unit 2 Relationships

The general aim of this Unit is to develop skills linked to mathematical relationships.

These include solving and manipulating equations, working with graphs and carrying out calculations on the lengths and angles of shapes. The Outcomes cover aspects of algebra, geometry, trigonometry and reasoning.

Unit 3 Applications

The general aim of this Unit is to develop skills linked to applications of mathematics.

These include using trigonometry, geometry, number processes and statistics within real life contexts. The Outcomes cover aspects of these skills and also skills in reasoning.

HOW IS THIS SUBJECT ASSESSED?

National 5 has internal assessments but also an end of course external SQA exam.



National (5) Lifeskills Mathematics

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Maths or A/B at Int 1 Maths

WHAT IS THE COURSE DESIGN?

Unit 1 Managing Finance and Statistics

The general aim of this Unit is to develop skills that focus on the use of mathematical ideas and valid strategies that can be applied to managing finance and statistics in real-life contexts which may be new to the learner. This includes skills in analysing financial positions, budgeting as well as organising and presenting data to justify solutions and/or draw conclusions. The Outcomes cover aspects of finance and statistics in real-life situations requiring mathematical reasoning.

Unit 2 Geometry and Measures

The general aim of this Unit is to develop skills that focus on the use of mathematical ideas and valid strategies that can be applied to geometry and measurement in real-life contexts which may be new to the learner. This includes skills in analysing and using geometry and measures to determine and justify solutions to real-life problems. The Outcomes cover aspects of geometry and measurement in real-life situations requiring reasoning..

Unit 3 Numeracy

The general aim of this Unit is to develop learners' numerical and information handling skills to solve real-life problems involving number, money, time and measurement. At this level, real-life problems will have some complex features and be set in contexts which are likely to be unfamiliar to the learner. As learners tackle real-life problems, they will decide what numeracy and information handling skills to use, and how to apply those skills to an appropriate level of accuracy. Learners will also interpret graphical data and use their knowledge and understanding of probability to identify solutions to solve real-life problems involving money, time and measurement. Learners will use their solutions to make and justify decisions.

HOW IS THIS SUBJECT ASSESSED?

National 5 has internal assessments but also an end of course external SQA exam. To gain the award of the Course, the learner must pass all of the Units as well as the Course assessment.



National (5) Music

Music

WHAT IS THE COURSE STRUCTURE?

There are 3 Units and an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Music or A/B at Int 1 Music

WHAT IS THE COURSE DESIGN?

Music: Performing Skills

In this unit, learners, with guidance, will develop performing skills on two selected instruments, or on one selected instrument and voice. They will play level-specific music with sufficient accuracy while maintaining the musical flow. Learners will, with support, reflect on their own performing skills.

Music: Composing Skills

In this unit, learners will use knowledge of music styles and concepts when creating their own music. Learners will experiment with and use straightforward compositional methods and simple music concept in imaginative ways. Learners will, with support, reflect on their own creative choices and decisions and those of others.

Understanding Music

In this unit, by listening to a range of music and music styles, learners will develop their understanding of level-specific music concepts. They will develop the ability to distinguish between different music styles and sounds, and will be able to identify and recognise simple music signs and symbols used in music notation.

The skills developed throughout the National Music course will include:

- Development of performing skills in solo and/or group settings on two selected instruments or on one instrument and voice.
- Creating music using straightforward compositional methods and music concepts.
- Developing an understanding of the things that influence composers and their work.
- Develop an understanding of music and musical literacy by listening to music and identifying simple music signs, symbols and musical concepts.
- Identifying areas for improvement in their work and with support and guidance improve skills and enhance musical ability.

HOW IS THIS SUBJECT ASSESSED?

Music: Performing Skills: At National 5 Performing Skills make up 60% of the total mark and are assessed by performing to a visiting examiner.

Music: Composing Skills: In this Unit, learners will be required to provide evidence of a basic understanding of the things that influence and inspire musicians' and composers' work and of using straightforward compositional methods and music concepts imaginatively in their own music.

Understanding Music At National 5: Understanding Music makes up 40% of the total mark and is assessed through a listening paper.



National (5) Practical Metalworking

WHAT IS THE COURSE STRUCTURE?

There are 3 Units in this course. There will also be a course assessment.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 relevant course

WHAT IS THE COURSE DESIGN?

Unit 1 Bench skills

This Unit helps learners develop a range of metalworking hand tool skills including bench-fitting work, routine sheet-metal work, and measuring and marking out. Tasks will involve some complex features. Learners will be able to read and interpret drawings and diagrams depicting both familiar and unfamiliar metalworking tasks.

Unit 2 Machine Processes

This Unit helps learners build their measuring and marking out skills and to develop skills in using common metalwork machines, equipment and related processes. Tasks will involve some complex features. Learners will work with an appropriate range of metals in both familiar and unfamiliar contexts.

Unit 3 Fabrication and Thermal Joining

This Unit helps learners develop skills in fabrication, forming and joining of metalwork components with some complex features. Learners will develop skills in thermal joining techniques. They will also build skills in measuring and marking out.

HOW IS THIS SUBJECT ASSESSED?

To gain the award of the Course, the learner must pass all of the Units as well as the Course assessment.

The course assessment will be a practical activity carried out under workshop conditions.



National (5) Physics

WHAT IS THE COURSE STRUCTURE?

There are 3 Units in this course. There will also be an external SQA examination in May 2017.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 Physics or A/B at Int 1 Physics

WHAT IS THE COURSE DESIGN?

Unit 1 Dynamics & Space

The Unit covers the key areas of movement, forces and space.

Unit 2 Electricity & Energy

The Unit covers the key areas of energy transfer, heat and the gas laws, electrical & electronic circuits.

Unit 3 Waves & Radiation

The Unit covers the key areas of waves and nuclear radiation.

HOW IS THIS SUBJECT ASSESSED?

There is an end of course external final exam which will contribute 80% to the final grade. 20% will be provided by an assignment where learners will carry out a meaningful and appropriately challenging task in physics.



National (5) Physical Education (PE)

WHAT IS THE COURSE STRUCTURE?

There are 2 Units - an internal SQA performance and a portfolio course assessment prior to the SQA diet of examinations.

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Pass at National 4 PE or A/B at Int 1 PE

WHAT IS THE COURSE DESIGN?

Physical Education: Performance Skills

The general aim of this Unit is to develop learners' ability to perform in physical activities by enabling them to acquire a comprehensive range of movement and performance skills. They will learn how to select, use, demonstrate and adapt these skills.

Physical Education: Factors Impacting on Performance

The general aim of this Unit is to develop learners' knowledge and understanding of the factors that impact on performance in physical activities. Learners will consider the effects of mental, emotional, social and physical factors on performance, and will develop an understanding of how to plan for, monitor, record and evaluate the process of personal performance.

HOW IS THIS SUBJECT ASSESSED?

To gain the award of the Course, the learner must pass all of the Units as well as the Course assessment. Course assessment will provide the basis for grading attainment in the Course award.

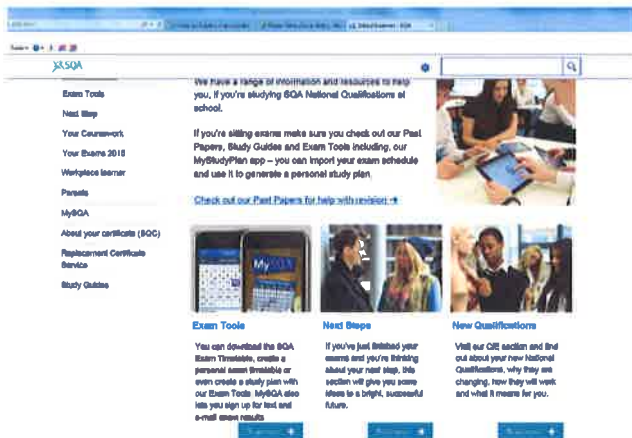
THE FOLLOWING WEBSITES WILL HELP YOU IN MAKING DECISIONS:



<http://www.educationscotland.gov.uk/nationalqualifications>



<http://www.planitplus.net/careerzone>



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



College and University Websites

