

+ Barrhead High School



S6 ADVANCED HIGHER COURSES FOR SESSION 2016-17

This booklet contains courses that – depending on demand – may be offered next Session. Other Advanced Highers maybe offered in alternative East Renfrewshire Schools starting in August 2016. Please read this booklet prior to your option interview with Pastoral Support Staff.



Advanced Higher Art & Design

WHAT IS THE COURSE STRUCTURE?

There are 2 options for this Advanced Higher

1. Advanced Higher Art & Design (Design) or
2. Advanced Higher Art & Design (Expressive)

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher Art & Design at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

DESIGN ENQUIRY

- ✓ you will experience an independent, self-directed study of design and design practice
- ✓ You will develop personal autonomy, creativity, independent thinking and evaluative skills when resolving design problems and responding to design area requirements and constraints
- ✓ You will develop individual creativity and technical skills through the considered exploration and creative use of design materials, equipment, techniques and/or technology
- ✓ You will develop higher-order thinking skills by analysing, synthesising and responding to designers' work and the external factors which influence the design area
- ✓ You will develop advanced critical thinking and design-based problem solving skills
- ✓ You will reach substantiated and informed judgements when refining and presenting lines of design enquiry and development

EXPRESSIVE ENQUIRY

- ✓ You will experience an independent, self-directed study of expressive art and art practice
- ✓ You will develop personal autonomy, creativity, independent thinking and evaluative skills when responding to stimuli and creating their own expressive art work
- ✓ You will develop individual self-expression and creativity through their considered exploration and use of art materials, equipment, techniques and/or technology
- ✓ You will develop the higher-order thinking skills required to analyse, synthesise, and critically respond to and understand the impact of expressive art work
- ✓ You will develop advanced critical thinking skills, reaching substantiated informed judgements when refining and presenting lines of visual enquiry and development

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Departmental Notes on each Unit – Course Plan

HOW IS THIS SUBJECT ASSESSED?

External Assessment

Mandatory Unit (Enquiry) – 120 marks

Optional Unit – 60 marks

Statement of Intent – 20 marks



Advanced Higher Biology

WHAT IS THE COURSE STRUCTURE?

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

1. Biology: Cells and Proteins
2. Biology: Organisms and Evolution
3. Investigative Biology

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher Biology at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will develop a critical understanding of the role of biology in scientific issues and relevant applications, including the impact these could make on the environment/society
- ✓ You will extend and apply knowledge, understanding and skills of biology
- ✓ You will develop and apply the skills to carry out complex practical scientific activities, including the use of risk assessments, technology, equipment and materials
- ✓ You will develop and apply scientific inquiry and investigative skills, including planning and experimental design
- ✓ You will develop and apply analytical thinking skills, including critical evaluation of experimental procedures, in a biology context
- ✓ You will extend and apply problem solving skills in a biology context
- ✓ You will further develop an understanding of scientific literacy, using a wide range of resources, in order to communicate complex ideas and issues and to make scientifically informed choices
- ✓ You will extend and apply skills of independent/autonomous working in biology

WHAT RESOURCES WILL BE AVAILABLE TO ME?

School Website
 Departmental Notes on each unit
 Homework Exercises will be provided supplementary
 Revision Notes will be provided

HOW IS THIS SUBJECT ASSESSED?

Component (1)	2 hours 30 mins written examination under SQA conditions 2 sections – Section (1) objective test (20 marks) Section (2) questions (80 marks)	100 marks
Component (2)	Assignment – to meet submission date set by SQA Research under some supervision. Reporting under high degree of supervision.	30 marks
Component 1 — question paper 100 marks		
Component 2 — project 30 marks		
Total marks 130 marks		



Advanced Higher Chemistry

WHAT IS THE COURSE STRUCTURE?

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

1. Chemistry: Inorganic and Physical Chemistry
2. Chemistry: Organic Chemistry and Instrumental Analysis
3. Chemistry: Researching Chemistry

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher Chemistry at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will develop a critical understanding of the role of chemistry in scientific issues and relevant applications, including the impact these could make on the environment/society
- ✓ You will extend and apply knowledge, understanding and skills of chemistry
- ✓ You will develop and apply the skills to carry out complex practical scientific activities, including the use of risk assessments, technology, equipment and materials
- ✓ You will develop and apply scientific inquiry and investigative skills, including planning and experimental design
- ✓ You will develop and apply analytical thinking skills, including critical evaluation of experimental procedures in a chemistry context
- ✓ You will extend and apply problem solving skills in a chemistry context
- ✓ You will further develop an understanding of scientific literacy, using a wide range of resources, in order to communicate complex ideas and issues and to make scientifically informed choices
- ✓ You will extend and apply skills of independent/autonomous working in chemistry

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Education Scotland website
Departmental Notes on each unit
Homework Exercises will be provided supplementary
Revision Notes will be provided

HOW IS THIS SUBJECT ASSESSED?

Component (1)	Question Paper – 2 hours and 30 mins Section (1) Objective Test (20 marks) Section (2) Restricted and Extended Response Questions (80 marks)	100 marks
Component (2)	Project – conducted under some supervision and control Submitted to SQA for marking	30 marks

Component 1 — question paper 100 marks
Component 2 — project 30 marks
Total marks 130 marks



Advanced Higher English

WHAT IS THE COURSE STRUCTURE?

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

1. English: Analysis and Evaluation
2. English: Creation and Production

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher English at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will critically analyse and evaluate a wide range of literary texts
- ✓ You will apply critical, investigative and analytical skills to a literary topic of personal interest to produce a dissertation
- ✓ You will create a range of imaginative texts

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Departmental notes
Exemplar dissertations, critical essays and creative writing
Support in creating revision notes

HOW IS THIS SUBJECT ASSESSED?

Portfolio – 2 sections

- (1) Dissertation 3,500 – 4,500 words – 30 marks
- (2) 2 pieces of creative writing – 15 marks each

Exam with question paper on critical analysis and evaluation of literary texts

- Learners will select one question from prose or drama and provide an extended written response – (25 marks).
- Learners will also complete a textual analysis of an unseen poem or extract from a poem – (15 marks)

Component 1 — portfolio 60 marks

Component 2 — question paper 40 marks

Total marks 100 marks



Advanced Higher French

WHAT IS THE COURSE STRUCTURE?

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

1. French: Extended Reading/Viewing
2. French: Language in Work

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher French at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will read, listen, talk and write in French
- ✓ You will understand and use French
- ✓ You will apply advanced language skills of translation
- ✓ You will apply knowledge and understanding of French to a range of contexts
- ✓ You will understand, analyse and evaluate complex literary and/or media texts in French
- ✓ You will apply knowledge and understanding of language in work in French

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Worksheets for each topic of study

Grammar worksheets

Coursebooks

Online Reading and Listening resources

Videoclips and interactive language games

Foreign Language Assistant

School membership of Glasgow Alliance Francaise with access to all mediatheque resources and services of the Alliance.

HOW IS THIS SUBJECT ASSESSED?

QUESTION PAPER – 2 SECTIONS

- (1) Reading and Translation – 50 marks
- (2) Listening and Discursive Writing – 70 marks

PERFORMANCE – Learners to demonstrate talking skills – 50 marks

PORTFOLIO – Analysis and evaluate French literary and/or media text. – 30 marks

Course assessment structure

Component 1 — question paper 120 marks - External Examination Paper (1) 1hr 30 min Paper (2) 1 hr 20 mins

Component 2 — performance 50 marks – Visiting Assessor carries out assessment

Component 3 — portfolio 30 marks – conducted under some supervision and control. Sent to SQA for marking

Total marks 200 marks



Advanced Higher Geography

WHAT IS THE COURSE STRUCTURE?

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

1. Geography: Geographical Skills
2. Geography: Geographical Issues

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher Geography at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will understand the ways in which people and the environment interact in response to physical and human processes
- ✓ You will study spatial relationships to develop a balanced and critical understanding of the changing world
- ✓ You will further acquire a geographical perspective on environmental and social issues and their significance
- ✓ You will develop skills of independent research, fieldwork, analysis, synthesis, evaluation and presentation
- ✓ You will acquire the techniques to collect, extract, analyse, interpret and explain geographical phenomena using appropriate terminology
- ✓ You will develop expertise in the use of maps, diagrams, statistical techniques and written accounts

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Notes issued by Department

HOW IS THIS SUBJECT ASSESSED?

QUESTION PAPER – 50 Marks – External examination by SQA

PROJECT – Folio Section A: Geographical Study – a report on geographical research

- Folio Section B: Geographical Issue – an essay which critically evaluates an issue from a geographical perspective

Section A – 70 marks

Section B – 30 marks

Folios sent to SQA for external marking

Component 1 — question paper 50 marks

Component 2 — project: folio 100 marks

Total marks 150 marks



Advanced Higher History

WHAT IS THE COURSE STRUCTURE?

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

1. History: Historical Study
2. History: Researching Historical Issues

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher History at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will develop a rigour and thoroughness of independent thought
- ✓ You will critically analyse existing historical research, including identifying important lines of argument and evaluating schools of thought on particular historical issues
- ✓ You will analyse historical sources with regard to authorship and purpose, standpoint and historical and historiographical context
- ✓ You will develop an understanding of the relationship between factors contributing to, and the impact of, complex historical events
- ✓ You will synthesise primary sources and perspectives from historical research to analyse complex historical issues and sustain lines of argument which reflect the complexity of the issues they address
- ✓ You will adopt a relevant and structured approach to the research of a historical issue drawing conclusions in a clear and well-reasoned way, while reflecting the complexity of the issue under consideration and the limitations of the available evidence

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Printed notes

HOW IS THIS SUBJECT ASSESSED?

QUESTION PAPER – 2 parts – external examination 3 hours

Part (A) Historical Issues – 50 marks

Part (B) Historical Sources – 40 marks

PROJECT: DISSERTATION

Demonstrating independent research to be submitted to SQA for external marking

Component 1 — question paper 90 marks

Component 2 — project: dissertation 50 marks

Total marks 140 marks



Advanced Higher Mathematics

WHAT IS THE COURSE STRUCTURE?

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

1. Mathematics: Methods in algebra and Calculus
2. Mathematics: Applications of Algebra and Calculus
3. Mathematics: Geometry, Proof and Systems of Equations

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher Mathematics at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will select and apply complex mathematical techniques in a variety of mathematical situations, both practical and abstract
- ✓ You will extend and apply skills in problem solving and logical thinking
- ✓ You will extending skills in interpreting, analysing, communicating and managing information in mathematical form, while exploring more advanced techniques
- ✓ You will clarify their thinking through the process of rigorous proof

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Worksheets and Text Book
Past papers and Specimen paper
Homework and Ink Exercises

HOW IS THIS SUBJECT ASSESSED?

QUESTION PAPER – 3 hour examination under SQA conditions. Marked externally.

Component 1 — question paper 100 marks
Total marks 100 marks



Advanced Higher Music

WHAT IS THE COURSE STRUCTURE?

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

1. Music: Performing Skills
2. Music: Composing Skills
3. Understanding and Analysing Music

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher Music at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will develop autonomy and independent thinking skills
- ✓ You will develop creativity through performing
- ✓ You will develop self-expression when creating original music
- ✓ You will develop advanced skills in musical analysis and aural discrimination
- ✓ You will develop knowledge of music and musical literacy through in-depth study and analysis
- ✓ You will evaluate their own work and that of others

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Music for each Instrument

Listening Booklets

Revision Notes

HOW IS THIS SUBJECT ASSESSED?

PERFORMANCE – 2 selected instruments or 1 instrument and voice. Performance must last 20 minutes.

Your performance will be examined by a visiting assessor from SQA.

QUESTION PAPER – assessing learners' knowledge and understanding of music concepts and music literacy. 1 hour external examination under SQA conditions

Component 1 —a performance - 60 marks

Component 2 — question paper - 40 marks

Total marks 100 marks



Advanced Higher Physics

WHAT IS THE COURSE STRUCTURE?

There are 4 Units and an external SQA examination in May 2017.

1. Physics: Rotational Motion and Astrophysics
2. Physics: Quanta and Waves
3. Physics: Electromagnetism
4. Physics: Investigating Physics

WHAT IS THE RECOMMENDED ENTRY LEVEL?

Higher Physics at a minimum B pass

WHAT WILL I ACHIEVE IN THIS COURSE?

- ✓ You will develop a critical understanding of the role of physics in scientific issues and relevant applications, including the impact these could make on the environment/society
- ✓ You will extend and apply knowledge, understanding and skills of physics
- ✓ You will develop and apply the skills to carry out complex practical scientific activities, including the use of risk assessments, technology, equipment and materials
- ✓ You will develop and apply scientific inquiry and investigative skills, including planning and experimental design
- ✓ You will develop and apply analytical thinking skills, including critical evaluation of experimental procedures in a physics context
- ✓ You will extend and apply problem solving skills in a physics context
- ✓ You will further develop an understanding of scientific literacy using a wide range of resources in order to communicate complex ideas and issues and to make scientifically informed choices
- ✓ You will extend and apply skills of independent/autonomous working in physics

WHAT RESOURCES WILL BE AVAILABLE TO ME?

Departmental summary notes
Exam question booklet
SQA and Educational Scotland Website
Experiment Textbook

HOW IS THIS SUBJECT ASSESSED?

QUESTION PAPER – restricted and extended response answers required. Question Paper carried out under SQA examination conditions. 2 hours and 30 mins

PROJECT – In-depth study of a physics topic. Project externally assessed by SQA

Component 1 — question paper 100 marks
Component 2 — project 30 marks
Total marks 130 marks

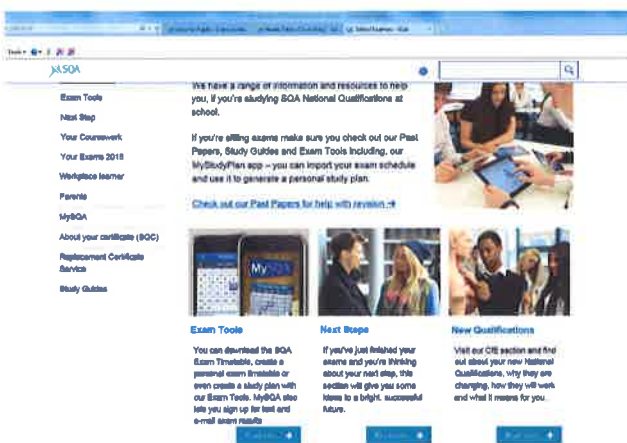
THE FOLLOWING WEBSITES WILL HELP YOU IN MAKING DECISIONS:



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



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



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



College and University Websites