S4 PATHWAY PLANNING



1

Think about your strengths - what are you good at? Think about your pathway - where do you want to end up? Are there careers or industries that interest you?

2

You have studied 5 subjects in S4, as well as English, Maths. Consider which 2 of these subjects you are not taking forward as you should not be choosing to study new subjects - it is important to build on your learning in S4.

3

Remember to pick subjects based on your strengths, interests and future plans - not on what your friends are doing or the teachers, as these can change!

4

Whilst S5 pupils don't have to continue with their learning in English and Maths/Apps, we strongly recommend that you take these subjects further if you are recommended to do so. In S5 you will also do core PSE, PE and Wider Achievement.

5

The following pages give further information on what each subject is like up to National 5/Higher/ Level 6. If you have further questions, see your subject teacher of PCS.

6

Make sure you consider your next steps beyond S5. Your choices now will lay the foundation for your study in S6 and study beyond Brechin High School - ensure you are taking subjects that allow you to progress to reach your full potential

Subject Choices

You will need to choose ONE subject from each column. You will also be studying a Wider Achievement course, as well as core PSE and PE.

Level	A	B	C	D	E
N5 only	Biology PE Practical Cookery Creative Industries Modern Studies	History Geography Spanish Computing Practical Woodwork	Chemistry History Music Photography Practical Metalwork Maths	Practical Cookery PE Art Practical Metalwork Travel & Tourism English	English Maths Apps Maths
Pupils sitting at N5 in S5 will have 4 periods for their subject and 2 periods to complete a Further Qualification					
N5/Higher	Fashion & Textiles Graphics Computer games Development	Health & Food	Scottish Studies	Admin Health & Food	Esports
Higher Only	Geography English	Art English Sports Development Chemistry	PE Music Maths	Computing Science – AA** Biology History	English Apps Maths Photography Physics

*Subjects that are N5 only may be in a dual class with S4 pupils..

** Computing Science is an Angus Academy course but is delivered in Brechin High School

The following pages contain further information on each of the courses offered, the pathway from S4 and where the qualification could lead you. Courses are organised by Faculty:

- **Expressive Arts**
- **Health Improvement**
- **Languages**
- **Maths**
- **Science**
- **Social Subjects**
- **Technologies**

If you would like further information on the courses, please see your class teacher or the faculty PT.

ART & DESIGN - NATIONAL 5



CONSIDER TAKING THIS IF:

You are interested in developing your creative and design skills.
Focusing on subject matter and themes that are personal to you.
Looking to develop a portfolio for further creative learning.
Interested in pursuing a career in expressive arts

YOU WILL LEARN ABOUT:

Developing media handling skills, problem solving in design and learning to create a successful folio following a single line of development.
Explore themes and ideas that are of an interest/personal to you
Expanding on your Art & Design vocabulary
Learning to analyse and write about artworks and designs with confidence

REQUIRED S4 QUALIFICATIONS

It would be beneficial for a National 5 candidate to have experienced the Art & Design course in S4

THIS QUALIFICATION COULD TAKE YOU:

Into further Art & Design course in High School (Higher and Advanced Higher) as well as a very wide range of college and university courses. Many of our pupils have succeeded in courses such as Product Design, Architecture, Fine Art, Jewellery and Metal work, Animation, Art History and many more

YOU WILL BE ASSESSED BY:

An expressive and design folio will be worked on throughout the year and submitted in March
Written exam is prepared for throughout the year with a prelim in December and then exam in May
The folio accounts for 80% of your total mark and the paper 20%.

USEFUL RESOURCES

https://www.sqa.org.uk/sqa/47388.html
https://www.bbc.co.uk/bitesize/subjects/zts3kqt
https://dundeeandangus.ac.uk/subject-areas/art-design/

ART & DESIGN - HIGHER



CONSIDER TAKING THIS IF:

You are someone who wants to develop their creative and design skills.
Choosing to proceed with further learning/career in creative subjects
Have passion for developing their creative ideas

YOU WILL LEARN ABOUT:

Following creative processes and developing your skill at higher level.
Identifying themes and subjects that are of interest or personal to you.
Exploring media handling
Learning about artists and designers and understanding higher level terminology so that you can confidently analyse art and design works for the written exam

REQUIRED S4 QUALIFICATIONS

National 5 Art & Design

THIS QUALIFICATION COULD TAKE YOU:

Progress to Advanced Higher Art & Design
College/University of which there are an exciting range of courses

YOU WILL BE ASSESSED BY:

Two folios – one expressive and one design and a written exam.
The folios are sent away and marked by SQA and the written exam is completed in the school.
The folios are worth 80% of your overall mark and the written exam is worth 20%.

USEFUL RESOURCES

https://www.sqa.org.uk/sqa/47892.html
https://www.understandingstandards.org.uk/Subjects/ArtandDesign/higher https://www.bbc.co.uk/bitesize/subjects/zhfb87h
https://www.dundee.ac.uk/djcad
https://www.rgu.ac.uk/study/academic-schools/gray-s-school-of-art https://dundeeandangus.ac.uk/

CREATIVE INDUSTRIES - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy thinking creatively, taking a leadership role and trying new things. You want to learn how to work in the 'real' world and find out what career opportunities are available to you.

YOU WILL LEARN ABOUT:

You will learn about the different areas in Creative Industries (Music, Media, Art & Design, Events & Catering and Fashion) and the possible career pathways that exist for you.

REQUIRED S4 QUALIFICATIONS

Previous study in Creative Industries, Art & Design and/or Music

THIS QUALIFICATION COULD TAKE YOU:

Careers in the creative industries such as theatre, art, design, music, event planning and fashion.

YOU WILL BE ASSESSED BY:

You will be assessed on your Metaskills (Self-management, Social intelligence and Innovation) through various projects you will be expected to complete.

USEFUL RESOURCES

https://www.skillsdevelopmentscotland.co.uk/

MUSIC - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy performing, creating and listening to music. You want to improve skills such as patience, discipline and resilience.

YOU WILL LEARN ABOUT:

You enjoy performing, creating and listening to music. You want to improve skills such as patience, discipline and resilience.

REQUIRED S4 QUALIFICATIONS

National 4 music or competency on an instrument.

THIS QUALIFCATION COULD TAKE YOU:

- Continue with music at Higher or Advanced Higher level. It can also open doors to many different careers through Creative Industries. For example in the Media industry, Events and Catering industry, Art & Design Industry and Fashion Industry

YOU WILL BE ASSESSED BY:

- National 3&4 you will be expected to demonstrate skills in the following:
- Composing / Performing / Understanding Music
- National 4 you will be expected to perform an 8 minute programme on two instruments. This will be assessed internally.
- National 5 you will be expected to

★ Perform an 8 minute programme on 2 instruments to an external examiner (Feb/March)

★ Compose an original composition and write a review which will be sent away for external marking (March)

★ Complete Listening exam which will be externally marked (April)

USEFUL RESOURCES

YouTube
My Music Online (Website)
Grade 1-3 theory ARSBM

MUSIC - HIGHER



CONSIDER TAKING THIS IF:

You enjoy performing, creating and listening to music. You want to continue building on your skills such as patience, discipline, self expression, confidence and resilience.

YOU WILL LEARN ABOUT:

You will learn how to perform challenging music on two instruments. You will compose and write a review of an original piece of music. You will learn about music concepts and how to identify them in audio examples.

REQUIRED S4 QUALIFICATIONS

- Music - National 5 or competency on an instrument.

THIS QUALIFCATION COULD TAKE YOU:

- Advanced Higher Music
- Creative Industries
- NPA Music

YOU WILL BE ASSESSED BY:

- ★ Perform a 12 minute programme on 2 instruments to an external examiner (Feb/March)
- ★ Compose an original composition and write a review which will be sent away for external marking (March)
- ★ Complete Listening exam which will be externally marked (April)

USEFUL RESOURCES

YouTube
My Music Online (Website)

PHOTOGRAPHY - NPA LEVEL 5



CONSIDER TAKING THIS IF:

You love taking photos, if you want to learn about different lighting and composition techniques. If you want to improve your photography skills, if you want to try the school cameras. If you are creative, enjoy trying new things and try some editing as well.

YOU WILL LEARN ABOUT:

How to plan a photoshoot, how cameras work, techniques to improve the sharpness and visual impact of your photos. Various photographers, past and present, are looked at and used for inspiration.

REQUIRED S4 QUALIFICATIONS

S3 Photography/Art or NPA level 4 Photography.

THIS QUALIFICATION COULD TAKE YOU:

Into the Higher Photography class in S6

YOU WILL BE ASSESSED BY:

There is no exam in NPA Photography, instead it is internally assessed coursework. You will take part in various projects, researching photographers and working on 6 photoshoots over the course.

USEFUL RESOURCES

BBC Bitesize
https://www.bbc.co.uk/bitesize/guides/zdk7h4j/revision/1
Youtube, Pinterest

PHOTOGRAPHY - HIGHER



CONSIDER TAKING THIS IF:

You are creative, you enjoy taking photos or even want to start taking photos. If you are interested in developing a range of skills, such as research and presentation. To be mentally stimulated and have a practical outlet for your own creativity.

YOU WILL LEARN ABOUT:

How to use digital SLR cameras, you will learn about exposure, composition and story telling through your photographs. Also, how to develop planning and time management skills. You will select your own theme for your folio after completing internally assessed classwork.

REQUIRED S4 QUALIFICATIONS

Ideally NPA Photography but not always necessary.
Nat 5 English will help you to analyse photographs.

THIS QUALIFICATION COULD TAKE YOU:

Advanced Higher Art (using Photography as your medium)
HNC or HND at college
Degree in Photography at University

YOU WILL BE ASSESSED BY:

An externally assessed folio worth 100 marks and a written exam worth 30 marks.

USEFUL RESOURCES

BBC Bitesize:
https://www.bbc.co.uk/bitesize/guides/zrg2d6f/revision/1
SQA Resources: https://www.sqa.org.uk/sqa/47896.html
https://www.youtube.com/watch?v=ghT17DZEY24

PRACTICAL COOKERY - NATIONAL 5



CONSIDER TAKING THIS IF:

If you enjoy the practical side of Health and Food in S3 and interested in being involved in the food industry.

YOU WILL LEARN ABOUT:

Essential food preparation, cooking, and presentation skills, focusing on hygiene, safety, planning, and using ingredients.

REQUIRED S4 QUALIFICATIONS

S3 Health and Food Technology (HFT)

THIS QUALIFICATION COULD TAKE YOU:

- College Courses: Progress to National 6 courses, NPA in Professional Cookery, or HNC in Professional Cookery.
- SVQs & Diplomas: Can lead to vocational qualifications in Culinary Arts or Hospitality.
- Career Pathways in the Hospitality Industry: Opens doors to working in hotels, restaurants, cafes, and event catering as a Commis Chef or Kitchen Assistant.
- Also careers in Food Manufacturing, Health Sector and Leisure & Tourism:

YOU WILL BE ASSESSED BY:

Practical activity (planning and cooking a three-course meal), Assignment (planning linked to the practical) Written question paper

USEFUL RESOURCES

https://www.bbc.co.uk/bitesize/levels/z6gw2hv
https://www.sqa.org.uk/sqa/47439.html

FASHION AND TEXTILES - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy a mixture of practical and theory relating to sewing techniques and product development

YOU WILL LEARN ABOUT:

You learn about textile properties, construction, and technologies, how to plan and make
detailed fashion items using patterns and equipment, and the factors influencing trends and consumer choices,

REQUIRED S4 QUALIFICATIONS

S3 Fashion and Textiles or National 4 fashion & Textiles

THIS QUALIFICATION COULD TAKE YOU:

Higher Fashion & Textiles
Further Education College and University degrees in Art, Fashion and textiles and creative industries.
Career Opportunities in areas such as:
Design & Creation: Fashion Designer, Costume Designer,
Industry & Manufacturing: Textile Technologist, Manufacturing
Retail & Marketing: Fashion Buyer, Marketing Assistant, Retail Management.
Other Creative Fields such as Interior Design,
Teaching in Home economics/Fashion textiles

YOU WILL BE ASSESSED BY:

Question Paper, Assignment and Practical Activity (design, make, evaluate a fashion item from a brief)

USEFUL RESOURCES

https://www.sqa.org.uk/sqa/56939.html
https://www.bbc.co.uk/bitesize/levels/z6gw2hv

FASHION AND TEXTILES - HIGHER



CONSIDER TAKING THIS IF:

You are enjoying National 5 Fashion and Textiles

YOU WILL LEARN ABOUT:

You learn about textile properties, construction, and technologies, how to plan and make detailed fashion items using patterns and equipment, and the factors influencing trends and consumer choices

REQUIRED S4 QUALIFICATIONS

National 5 Fashion and Textile Technology

THIS QUALIFICATION COULD TAKE YOU:

Further Education College and University degrees in Art, Fashion and textiles and creative industries.

Career Opportunities in areas such as:
Design & Creation: Fashion Designer, Costume Designer,
Industry & Manufacturing: Textile Technologist, Manufacturing
Retail & Marketing: Fashion Buyer, Marketing Assistant, Retail Management.
Other Creative Fields such as Interior Design,
Teaching in Home economics/Fashion textiles

YOU WILL BE ASSESSED BY:

Question Paper Assignment Practical Activity (design, make, evaluate a fashion item from a brief)

USEFUL RESOURCES

https://www.sqa.org.uk/sqa/56940.html

HEALTH AND FOOD TECHNOLOGY - NATIONAL 5



CONSIDER TAKING THIS IF:

If you enjoy the theory side of Health and Food in S3. If you have been achieving well in the written assessment and enjoy new product development.

YOU WILL LEARN ABOUT:

The link between food, health, and nutrition. Explore food product development (ingredients, creation), and understand consumer choices
and contemporary food issues, all while making informed decisions for a healthy lifestyle.

REQUIRED S4 QUALIFICATIONS

S3 Health and Food Technology (HFT), Practical Cookery National 5

THIS QUALIFICATION COULD TAKE YOU:

Higher Health and Food Technology
Further Education University Degrees: Prepares for degrees in Food Science, Nutrition, Dietetics, Hospitality Management, or Food Technology.
Career Pathways in areas such as:

- Food Production & Manufacturing
- Hospitality & Catering
- Health & Nutrition
- Retail & Consumer Affairs
- Land & Environment

YOU WILL BE ASSESSED BY:

Question Paper (50%) Assignment (50%) where you develop a food product in response to an SQA brief

USEFUL RESOURCES

https://www.sqa.org.uk/sqa/47397.html
https://www.bbc.co.uk/bitesize/levels/z6gw2hv

HEALTH AND FOOD TECHNOLOGY - HIGHER



CONSIDER TAKING THIS IF:

You are enjoying National 5 Health and Food Technology

YOU WILL LEARN ABOUT:

The link between food, health, and nutrition. Explore food product development (ingredients, creation), and understand consumer choices and contemporary food issues, all while making informed decisions for a healthy lifestyle.

REQUIRED S4 QUALIFICATIONS

National 5 Health and Food Technology

THIS QUALIFICATION COULD TAKE YOU:

Higher Health and Food Technology
Further Education University Degrees: Prepares for degrees in Food Science, Nutrition, Dietetics, Hospitality Management, or Food Technology.
Career Pathways in areas such as:

- Food Production & Manufacturing
- Hospitality & Catering
- Health & Nutrition
- Retail & Consumer Affairs
- Land & Environment

YOU WILL BE ASSESSED BY:

Question Paper (50%) Assignment (50%) where you develop a food product in response to an SQA brief

USEFUL RESOURCES

Higher Health and Food Technology - Course overview and resources - SQA

PE - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy taking part in sport and are willing to train

YOU WILL LEARN ABOUT:

The factors that impact performance and how to improve performance

REQUIRED S4 QUALIFICATIONS

National 4 PE

THIS QUALIFICATION COULD TAKE YOU:

Higher PE L6 Sports Development and Coaching Career Opportunities in:
Sports & Fitness such as Sports Coach, Personal Trainer, Health & Medicine such as Physiotherapy, Sports Science, Health Promotion, Nursing, Nutrition. Teaching & Development such as PE Teacher, Sports Development Officer, Youth Worker.
Uniformed & Security Services such as Police, Fire Service, Military

YOU WILL BE ASSESSED BY:

50% Practical – two 'one off' Special Performances of sports of your choosing 50% Theory – Portfolio

USEFUL RESOURCES

https://www.bbc.co.uk/bitesize/levels/z6gw2hv
https://www.sqa.org.uk/sqa/47399.html

PE - HIGHER



CONSIDER TAKING THIS IF:

You are doing well in National 5 PE and regularly take part in sport out with class time

YOU WILL LEARN ABOUT:

The factors that impact performance and how to improve performance

REQUIRED S4 QUALIFICATIONS

National 5 PE and National 5 English

THIS QUALIFICATION COULD TAKE YOU:

L6 Sports Development and Coaching
Career Opportunities in:
Sports & Fitness such as Sports Coach, Personal Trainer, Health & Medicine such as Physiotherapy, Sports Science, Health Promotion, Nursing, Nutrition. Teaching & Development such as PE Teacher, Sports Development Officer, Youth Worker.
Uniformed & Security Services such as Police, Fire Service, Military

YOU WILL BE ASSESSED BY:

50% Practical – two 'one off' Special Performances of sports of your choosing 50% Theory – Exam Paper

USEFUL RESOURCES

Higher Physical Education - BBC Bitesize Higher Physical Education - Course overview and resources - SQA

SPORTS DEVELOPMENT & SPORTS COACHING -NPA LEVEL 6



CONSIDER TAKING THIS IF:

You are interested in taking part in sport and leading sporting activities

YOU WILL LEARN ABOUT:

You will investigate sport in the community and require to start and lead a sport club at lunch or after school. You will also learn about coaching and will complete two coaching programmes for a primary group and a secondary group

REQUIRED S4 QUALIFICATIONS

National 5 PE

THIS QUALIFICATION COULD TAKE YOU:

Career Opportunities
Sports & Fitness: Sports Coach, Personal Trainer, Fitness Instructor, Sports Centre Management, Outdoor Activities Leader Teaching & Development: PE Teacher (with further qualifications), Sports Development Officer, Youth Worker. Uniformed & Security Services: Police, Fire Service, Military Any job or role that requires leadership and communication skills

YOU WILL BE ASSESSED BY:

Logbook with short and long answer questions Delivery of extra curricular sport club Coach interview Delivery of two coaching programmes Class presentation Participation in sport

USEFUL RESOURCES

NPA Sports Development SCQF level 6 - SQA NPA Sports Coaching at SCQF levels 5 & 6 - SQA

SPANISH - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy communicating with others and learning about different cultures. If you want to improve your confidence, develop communication skills and open up global opportunities, this subject is for you! It is excellent for careers in travel, teaching, business, law, and media.

YOU WILL LEARN ABOUT:

Detailed language in real-life contexts like society, learning, employability, and culture. You will develop skills in reading, listening, talking, and writing. You will explore topics such as family, healthy living, media, travel, future study, and global citizenship while learning how language works.

REQUIRED S4 QUALIFICATIONS

Modern Languages, Spanish or Languages and Culture

THIS QUALIFICATION COULD TAKE YOU:

Further in languages to Higher or Advanced Higher. Languages are highly valued by employers and universities. Career pathways include tourism, teaching, international business, journalism, translation, interpreting, hospitality, and law. It pairs well with almost any other subject.

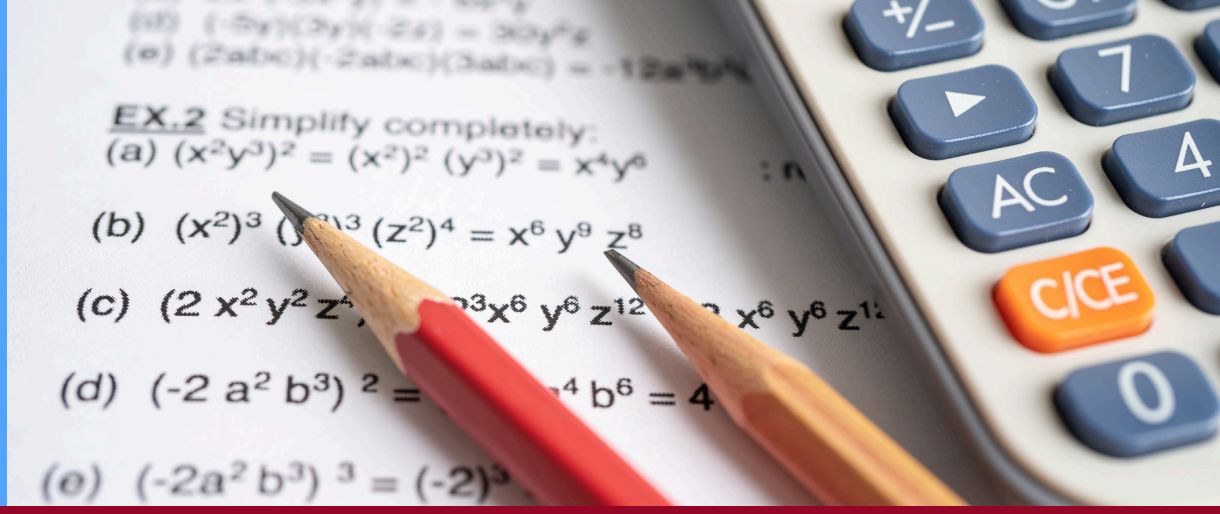
YOU WILL BE ASSESSED BY:

National 4: Internally assessed units (Reading, Writing, Listening, Talking) and an Added Value Unit. Pass/Fail only.
National 5: A final exam (Reading and Writing paper; Listening paper) and a writing assignment done in class. You will also do a talking performance assessment with your teacher.

USEFUL RESOURCES:

National 5 Modern Languages: https://www.sqa.org.uk/sqa/45775.html · Scholar: https://scholar.hw.ac.uk/ ·
BBC Bitesize (Spanish): https://www.bbc.co.uk/bitesize/subjects/zrtykqt ·

APPLICATIONS OF MATHEMATICS - NATIONAL 5



YOU WILL LEARN ABOUT:

- Learning mathematics develops logical reasoning, analysis, problem-solving skills, creativity and the ability to think in abstract ways. It uses a universal language of numbers and symbols, which allows us to communicate ideas in a concise, unambiguous and rigorous way.
- The National 5 Applications of Mathematics course explores the applications of mathematical techniques and skills in everyday situations, including financial matters, statistics, and measurement.
- The skills, knowledge and understanding in the course also support learning in other curriculum areas.

REQUIRED S4 QUALIFICATIONS

Nat 4 Mathematics
Level 5 Numeracy

THIS QUALIFICATION COULD TAKE YOU:

- Higher Applications of Mathematics

YOU WILL BE ASSESSED BY:

One final examination at the end of the course consisting of two papers. One Calculator and one Non-calculator.
There will be regular progress checks and two prelims before the final exam.

USEFUL RESOURCES

Scholar: https://scholar.hw.ac.uk/
Achieve: https://achieve.hashtag-learning.co.uk/user-start/?next=/
BBC Bitesize: https://www.bbc.co.uk/bitesize/subjects/zb27hyc
Free Nat 5 Apps Maths:
https://www.national5maths.co.uk/n5-lifeskills-maths/

BIOLOGY- NATIONAL 5



CONSIDER TAKING THIS IF:

You have an enthusiasm for biology within the environment, multicellular organisms and cellular biology. You would like to develop your understanding of biology's role in scientific issues including the impact these could make on society and the environment.

YOU WILL LEARN ABOUT:

Cell biology looking at cell sturcutre, transport across cell membranes, DNA and the production of proteins, proteins, genetic engineering and respiration. Multicellular organisms looking at producing new cells, controls and communication, reproduction, variation and inheritance, transport systems in plants and animals and absorption of materials. Life on earth looking at ecosystems, distribution of organisms, photosynthesis, energy in ecosystems, food production and evolution of species.

REQUIRED S4 QUALIFICATIONS

Biology

THIS QUALIFICATION COULD TAKE YOU:

To National 5 biology if sitting National 4 biology or Higher biology if sitting National 5 biology.

YOU WILL BE ASSESSED BY:

National 4 Biology there is no exam. You will be assessed throughout the year with small assessments. You will also need to do an independent research project and write a lab report. In National 5 you will be assessed with an exam at the end of the year and with a piece of coursework - an assignment. You will sit assessments during the year to check your progress for each unit.

USEFUL RESOURCES

National 4 Biology - Course overview and resources - SQA
National 4 Biology - BBC Bitesize
National 5 Biology - Course overview and resources - SQA
Achieve learning and Egsoil
National 5 Biology - BBC Bitesize
National 5 Biology | TheBiologyClassroom

BIOLOGY - HIGHER



CONSIDER TAKING THIS IF:

You have a keen interest in biology and need the subject for future study/employment.

YOU WILL LEARN ABOUT:

The Higher Biology course gives candidates the opportunity to understand and investigate the living world in an engaging and enjoyable way. It develops candidates' abilities to think analytically, creatively and independently, and to make reasoned evaluations. There are 3 units, DNA and the Genome, Metabolism and Survival and Sustainability and Interdependence.
.

REQUIRED S4 QUALIFICATIONS

National 5 A/B

THIS QUALIFICATION COULD TAKE YOU:

Lead to advanced higher biology, further education or employment.

YOU WILL BE ASSESSED BY:

Unit assessments
Assignment
Exam (multiple choice, extended response)

USEFUL RESOURCES

BBC Bitesize
Scholar
SQA Website

CHEMISTRY- NATIONAL 5



CONSIDER TAKING THIS IF:

If you enjoy learning about the material world around you, and enjoy carrying out experimental work, then this is the subject for you.

YOU WILL LEARN ABOUT:

How chemical reactions work and how they apply to society.
The chemistry of carbon, and how it is used in society

REQUIRED S4 QUALIFICATIONS

Chemistry

THIS QUALIFICATION OCULD TAKE YOU:

Further progression into H /AH Chemistry.
Chemistry can lead you into any area of medicine / dentistry.
Chemistry is a useful subject for hairdressing, health and beauty and catering.

YOU WILL BE ASSESSED BY:

N4-Unit assessments
Practical write up and added value unit
N5 – Assignment and exam.

USEFUL RESOURCES

BBC bitesize https://www.bbc.co.uk/bitesize
SQA website https://www.sqa.org.uk/sqa/45861.html
Achieve
DYW https://www.dyw.scot/

CHEMISTRY- HIGHER



CONSIDER TAKING THIS IF:

If you enjoy learning about the material world around you, and enjoy carrying out experimental work, then this is the subject for you.

YOU WILL LEARN ABOUT:

How chemical reactions work and how they apply to society.
The chemistry of carbon, and how it is used in society

REQUIRED S4 QUALIFICATIONS

N5 Chemistry

THIS QUALIFICATION OCULD TAKE YOU:

Further progression into H /AH Chemistry.
Chemistry can lead you into any area of medicine / dentistry.
Chemistry is a useful subject for hairdressing, health and beauty and catering.

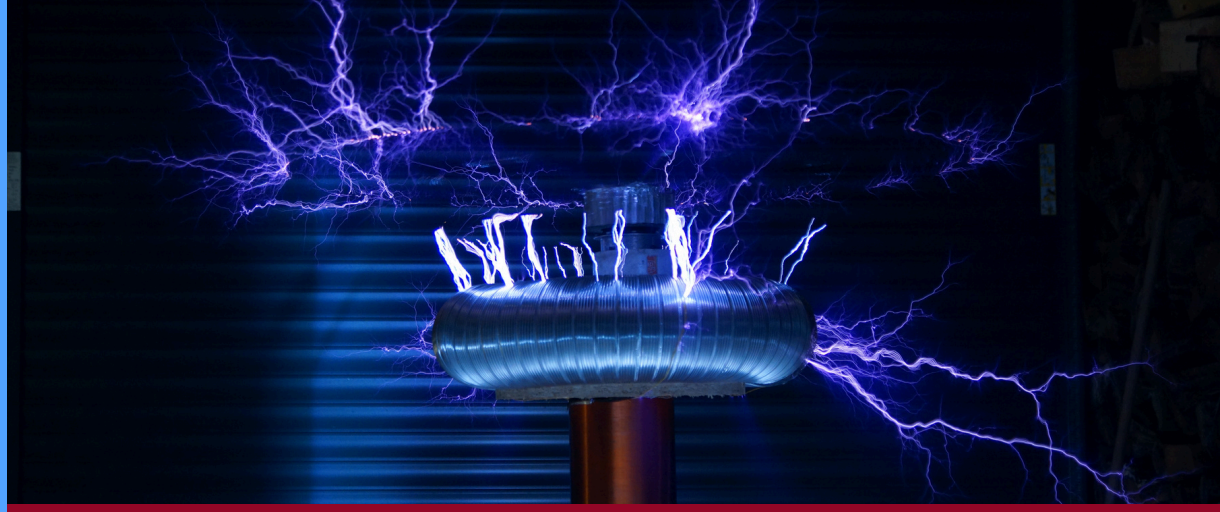
YOU WILL BE ASSESSED BY:

Assignment and exam

USEFUL RESOURCES

BBC bitesize https://www.bbc.co.uk/bitesize
SQA website https://www.sqa.org.uk/sqa/45861.html
Achieve
DYW https://www.dyw.scot/

PHYSICS - HIGHER



CONSIDER TAKING THIS IF:

You are interested in learning about matter and energy, as well as their interactions and how they behave over time and space

YOU WILL LEARN ABOUT:

Dynamics, Space, Relativity, Wave particle duality, semiconductor physics

REQUIRED S4 QUALIFICATIONS

N5 Physics A/B
N5 Maths A/B

THIS QUALIFICATION COULD TAKE YOU:

Further into the Physics Course-Advanced Higher .

Physics improves critical thinking and problem-solving skills, as well as the ability to model things mathematically.
This opens up many potential careers, including most forms of engineering, electrical work and architecture. Financial sectors are also keen to employ Physics graduates in stockbroking and actuarial accounting.

YOU WILL BE ASSESSED BY:

Coursework is 20% of the final grade. This is an externally marked report.
An end of course exam composes the remaining 80%.

USEFUL RESOURCES

BBC Bitesize
Google classroom
Achieve website

GEOGRAPHY - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy learning about our world and why it is the way it is and why people live such different lives. If you enjoy using maps, and if you like problem solving and linking different ideas together then this is the subject for you!

YOU WILL LEARN ABOUT:

how the sea and glaciers have changed our landscape, the weather that impacts the UK, how cities and farming is changing in different parts of the world and how and why countries have different populations. You will also look at why tourism and climate change are impacting the way we live, and how we can manage these impacts.

REQUIRED S4 QUALIFICATIONS

Climate, Energy, Life Today & Tourism or Geography

YOUR LEARNING COULD LEAD YOU TO STUDY:

further in Geography - Higher or Advanced Higher, or into studying Travel and Tourism. Many careers are linked to Geography and the key skills you learn in the subject including agriculture, engineering, fashion, education, science, medicine, energy production.

YOU WILL BE ASSESSED BY:

In National 4 Geography there is no exam. You will be assessed throughout the year with small assessments. You will also need to do an independent research project.
In National 5 you will be assessed with an exam at the end of the year and with a piece of coursework - an independent research project. You will sit assessments during the year to check your progress.

USEFUL RESOURCES

National 4:
https://www.sqa.org.uk/sqa/47441.html
https://www.bbc.co.uk/bitesize/subjects/zfrqxnb
National 5:
https://www.sqa.org.uk/sqa/47446.html
https://www.bbc.co.uk/bitesize/subjects/znbw2hv

GEOGRAPHY - HIGHER



CONSIDER TAKING THIS IF:

You enjoy learning about the world and how real world problems relating to people and our planet can be fixed.

YOU WILL LEARN ABOUT:

how the sea, rivers and glaciers have changed our landscape, how soils form, factors affecting worldwide climates, how cities and rural areas are changing in different parts of the world and how changing populations impact different areas. You will also explore changing energy demand and climate change, and how countries deal with these issues.

REQUIRED S4 QUALIFICATIONS

National 5 Geography or, National 5 Travel & Tourism, History or Modern Studies (with a teacher recommendation) and National 5 English

YOUR LEARNING COULD LEAD YOU TO STUDY:

further in Geography - Advanced Higher, Geography or Geosciences at university, or into studying Travel and Tourism. Many careers are linked to Geography and the key skills you learn in the subject including agriculture, engineering, fashion, education, science, medicine, energy production.

YOU WILL BE ASSESSED BY:

2 exam papers and a piece of coursework on a geographical topic of your choice.

USEFUL RESOURCES

https://www.sqa.org.uk/sqa/47922.html
https://www.bbc.co.uk/bitesize/subjects/zmhs34j

HISTORY - NATIONAL 5



CONSIDER TAKING THIS IF:

Studying history is valuable for several reasons, and none of them require you to be a historian or love memorizing dates. Here's why it matters:

1. It helps you understand the very complicated world you live in.
2. It sharpens your thinking.
3. It helps you participate more thoughtfully in society.
4. It gives you a sense of identity.
5. It's just interesting.

YOU WILL LEARN ABOUT:

The First World War, British History between 1760 and 1914 and the rise to power of the Nazis in Germany.

The First World War had a massive impact upon Scotland. Much more so than the impact of the Second World War. You will learn why this was the case. You will also learn about the huge changes that occurred in Britain during the period 1760-1914, which is sometimes known by the term - The Industrial Revolution. Lastly, you will learn about how Adolf Hitler and his Nazi thugs managed to take power in Germany and then abuse that power.

REQUIRED S4 QUALIFICATIONS

- History

THIS QUALIFICATION COULD TAKE YOU:

- Higher and Advanced Higher History
- History also gives a brilliant foundation of skills that support many careers, such as: education, museum curator, archivist, technician, preservationist or a genealogist, writing, as an author or editor, historical researcher for documentaries/films or journalism, government and/or public Service in the foreign and diplomatic service, intelligence and public policy, Law & Legal-Adjacent Careers and many more!

YOU WILL BE ASSESSED BY:

A final exam worth 80 marks and an added value unit, which is worth 20 marks.

USEFUL RESOURCES

https://www.sqa.org.uk/sqa/47447.html
https://www.bbc.co.uk/bitesize/topics/z8phvcw
https://www.bbc.co.uk/bitesize/topics/z7vycdm
https://www.bbc.co.uk/bitesize/topics/znk9q6f
National Four History -https://www.sqa.org.uk/sqa/47442.html
https://www.bbc.co.uk/bitesize/subjects/ztyfr82

HISTORY - HIGHER



CONSIDER TAKING THIS IF:

You enjoyed National 5 History and you want to learn about real stories — dramatic, tragic, inspiring, surprising — that are often more compelling than fiction.

YOU WILL LEARN ABOUT:

Scotland and the Great War - you will learn about the impact of World War One on Scotland, looking at the Western Front, society and politics.

Life in Britain between 1851 and 1951 - you will learn about political reform in Britain e.g. Labour government, liberal reforms and women and the vote.

Life in the USA between 1918-1968 - you will learn about immigration after World War One and the civil rights movement.

REQUIRED S4 QUALIFICATIONS

- National 5 History or, National 5 Travel & Tourism, Geography or Modern Studies (with a teacher recommendation) and National 5 English

THIS QUALIFICATION COULD TAKE YOU:

- Further with History e.g. Advanced Higher History or History at university. Into education, writing, the civil service or, many history related careers such as archaeologist, archivist, museum curator or a genealogist.

YOU WILL BE ASSESSED BY:

2 exam papers and a piece of coursework on a historical topic of your choice

USEFUL RESOURCES

Useful Resources
https://www.sqa.org.uk/sqa/47923.html
https://www.bbc.co.uk/bitesize/subjects/zxpfb9q

SCOTTISH STUDIES - LEVEL 6



CONSIDER TAKING THIS IF:

You have previously enjoyed Social Subjects classes - Geography, History, Modern Studies, RME and Travel and Tourism - and you like to learn about a mix of these subjects.
You want to take a Higher level qualification but you think you will struggle with a Higher in Geography/History/Politics.

YOU WILL LEARN ABOUT:

Travel and Tourism in Scotland - focusing particularly on why tourists visit Scotland and how to meet the needs of different clients.
A Scottish topic of your choice - you will complete a detailed research project about this.
Two of the following areas (this will be confirmed in June):
Geography - how have glaciers changed Scotland and how the land they changed is now used?
RME - how do different religions and beliefs impact Scottish people?
History - what impact did World War One have on Scotland, looking at the Western Front, society and politics?
Modern Studies - how do social issues and democracy impact people in Scotland?

REQUIRED S4 QUALIFICATIONS

National 5 History, National 5 Travel & Tourism, Geography, Philosophy or Modern Studies and National 5 English

THIS QUALIFICATION COULD TAKE YOU:

Into Higher Geography, History, Politics or Philosophy.
Into a Social Science at college/university.

YOU WILL BE ASSESSED BY:

There is no exam but, each topic has a specific set of assessments that you must pass to complete the full course.

USEFUL RESOURCES

https://www.sqa.org.uk/sqa/64329.html g

TRAVEL & TOURISM - NATIONAL 5



CONSIDER TAKING THIS IF:

- You like to travel and learn about travel, you want to get ready for life after school by building key employability skills.

YOU WILL LEARN ABOUT:

- Tourism in Scotland and around the world through the work of a tour operator and an airline. You will learn how to research and plan holidays, what activities cabin crew do and, how to make yourself super employable by being able to deliver excellent customer service and evaluate your own skills.

REQUIRED S4 QUALIFICATIONS

- Geography
- Hospitality
- Climate, Energy, Life Today and Tourism

YOUR LEARNING COULD LEAD YOU TO STUDY:

To complete Level 6 Scottish Studies
It will help you get a job within the Travel & Tourism, Hospitality and Customer Service (e.g. retail) industries. It will also help you become much more confident at working with customers so it is great for building the skills to get a part-time job while you're still at school.
You can study Travel and Tourism, and Cabin Crew and Aviation courses at Dundee and Angus and Robert Gordons Colleges.

YOU WILL BE ASSESSED BY:

Completing small assessments throughout the year. There is no exam but, you need to pass all assessments to get the qualification. Assessments include planning a full holiday for someone, creating and delivering a pre-flight safety briefing and demonstrating that you can deal with a customer complaint.

USEFUL RESOURCES

BBC Bitesize - https://www.bbc.co.uk/bitesize/topics/zcmfb9q
BBC Travel - https://www.bbc.co.uk/travel

ADMINISTRATION & IT - NATIONAL 5



CONSIDER TAKING THIS IF:

This course is designed for learners who are interested in administration and the practical uses of IT.

YOU WILL LEARN ABOUT:

- administration theory in the workplace
- IT skills and use them to perform administrative tasks
- organisational skills in the context of organising and supporting events

REQUIRED S4 QUALIFICATIONS

S3 Admin/Business, National 4/5 Business

THIS QUALIFICATION COULD TAKE YOU:

Higher Admin, Level 6 Customer Service.
This is a good qualification to develop transferable skills for employers.

YOU WILL BE ASSESSED BY:

You will be assessed by an exam worth 50 marks and an assignment worth 70 marks.

USEFUL RESOURCES:

https://www.sqa.org.uk/sqa/47435.html

ADMINISTRATION & IT - HIGHER



CONSIDER TAKING THIS IF:

You enjoy working with computer software applications and problem-solving
· You want to develop workplace skills and knowledge suitable to an office environment
· You have an eye for detail

YOU WILL LEARN ABOUT:

- You will learn theory related to working in a professional workplace
- You will learn to develop your skills in word processing, using spreadsheets and databases and creating presentations.

REQUIRED S4 QUALIFICATIONS

A pass at N5 Admin & IT, if taken. If not, passes in N5 English, N5 Business Administration, N5 Computing (or equivalent), N5 Apps

THIS QUALIFICATION COULD TAKE YOU:

To college, university or the workplace in fields such as · Administration
· Office Management
· Event Planning
· Human Resources

YOU WILL BE ASSESSED BY:

· A computer-based assignment demonstrating your problem-solving and practical skills (58%)
· A written exam paper assessing your knowledge of theory (42%)

USEFUL RESOURCES:

SQA: https://www.sqa.org.uk/sqa/47918.html

COMPUTER GAMES DEVELOPMENT - NPA LEVEL 5/6



CONSIDER TAKING THIS IF:

You are interested in learning how to design and make a computer game and all the related visual, audio and animations required in a computer game.

YOU WILL LEARN ABOUT:

Design aspects of computer games, development and making the assets required in a computer game such as animations and 3D models, the coding required to make your own computer game and testing of your game.

REQUIRED S4 QUALIFICATIONS

No previous courses are required although a keen interest in Computing Science and/or Design will help in preparation.

THIS QUALIFICATION COULD TAKE YOU:

A higher level if you have completed level 4 or 5. (in school) Further modules in Computer Games development at level 6 and/or the National Certificate in Computer Games Development. (in school) College and University courses in Games Development and Testing. You can choose to specialise in programming, media development or the technology that supports gaming.

YOU WILL BE ASSESSED BY:

There are no exams in Computer Games Development, the course is assessed continuously through assignments throughout the year

USEFUL RESOURCES:

SQA Computer Games Development

COMPUTING SCIENCE - NATIONAL 5



CONSIDER TAKING THIS IF:

This course is for learners who are considering further study or a career in computing science. It provides opportunities to enhance skills in planning and organising, working independently and in teams, critical thinking and decision making

YOU WILL LEARN ABOUT:

- computational-thinking skills across a range of contemporary contexts
- key concepts and processes in computing science computing concepts and computational behaviour
- the role and impact of computing science in changing and influencing our environment and society

REQUIRED S4 QUALIFICATIONS

S3 Computing, National 4 computing science

THIS QUALIFICATION COULD TAKE YOU:

Higher and Advanced higher Computing
Level 6 NPA Computer games Development
Level 6 NPA ESports
Further study of computing at college or university.
Careers in IT.

YOU WILL BE ASSESSED BY:

A Question paper worth 80 marks and an Assignment worth 40 marks.

USEFUL RESOURCES:

https://www.sqa.org.uk/sqa/56923.html

COMPUTING SCIENCE - HIGHER



CONSIDER TAKING THIS IF:

You enjoyed National 5 and want to go deeper into the technical "how" behind modern tech. This is for the problem-solvers who like building software and exploring cyber-security. If you want to master the logic that powers the digital world, Higher is for you. It challenges your thinking and builds a rigorous, professional approach to designing digital solutions — perfect if you aim for a career in engineering, science, or technology.

YOU WILL LEARN ABOUT:

Advanced modular programming (using parameter passing and standard algorithms) and complex Computer Systems, including binary data representation (2's complement, floating-point) and hardware performance. You will also master multi-table Database design using SQL and create interactive websites using HTML, CSS positioning, and JavaScript. The course also tackles real-world issues like encryption, the Computer Misuse Act, and the environmental impact of intelligent systems. You'll develop "computational thinking" to solve multi-stage problems effectively.

REQUIRED S4 QUALIFICATIONS

National 5 Computing Science (Grade A or B strongly recommended). Nat 5 Maths and Nat 5 English are desirable.

THIS QUALIFICATION COULD TAKE YOU:

It is a direct pathway to Advanced Higher and is highly valued for University courses like Computer Science, Software Engineering, and AI. Beyond tech, the logic and data-handling skills are excellent for careers in Law, Finance, and Engineering. Many students also move into modern apprenticeships in Cyber Security or Web Development. Professional tech literacy is a "universal" skill that gives you a competitive edge in almost any modern career path.

YOU WILL BE ASSESSED BY:

Question Paper (80 marks / 67%)
Assignment (40 marks / 33%)

USEFUL RESOURCES:

SQA Higher Computing Science website BBC Bitesize (Higher)
Scholar (Online learning platform)
ACHIEVE (Video lessons and quizzes)
W3Schools (For SQL and JavaScript practice)

ESPORTS - LEVEL 5/6



CONSIDER TAKING THIS IF:

You have an interest in the Esports industry, you enjoy playing computer games competitively or you have an interest in events management.

YOU WILL LEARN ABOUT:

The Esports industry and how it has developed. Skills and qualities required in Esports including games performance, coaching, media management, personal development and well being in gaming. You will have the opportunity to take part in the British Esports Open Championship in selected team games. You will also learn about events management, social media management and host an esports tournament

REQUIRED S4 QUALIFICATIONS

Computing and/ or Computer Games Development but this is not a requirement.

THIS QUALIFICATION COULD TAKE YOU:

Further study at Dundee & Angus College in the Esports industry to Degree level, Events management qualifications at University level and introduce you to pathways into the Esports industry.

YOU WILL BE ASSESSED BY:

The course is continuously assessed throughout the year by specific assessments through SQA Solar online assessment tools.

USEFUL RESOURCES:

https://britishesports.org/
https://dundeeandangus.ac.uk/courses/fdesci26-g-2fa/

GRAPHIC COMMUNICATION - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy the classroom side of technical where we sketch, 3D model and complete graphic design tasks.

YOU WILL LEARN ABOUT:

3D CAD modelling, freehand sketching and rendering, Desk Top Publishing and how promotional graphics are used.

REQUIRED S4 QUALIFICATIONS

Practical Woodwork/metalwork National 5
Level 5/6 Computer Games Development

THIS QUALIFICATION COULD TAKE YOU:

Progression to Higher and Advanced Higher
Progression to Level 5/6 Creative Thinking Further study at college or university Apprenticeships with local companies

YOU WILL BE ASSESSED BY:

An assignment issued by the SQA but completed in class with your class teacher from during February/March. An 80 mark exam paper

USEFUL RESOURCES:

SQA https://www.sqa.org.uk/sqa/47459.html

GRAPHIC COMMUNICATION - HIGHER



CONSIDER TAKING THIS IF:

You are currently/have studied N5 GC. You enjoyed 3D modelling and sketching in junior school, or have enjoyed using working drawings in the practical subjects. You may also consider taking this if you enjoy sketching and enjoy being creative.

YOU WILL LEARN ABOUT:

3D CAD modelling, freehand sketching and rendering, Desk Top Publishing and how promotional graphics are used.

REQUIRED S4 QUALIFICATIONS

N5 Graphic Communication, N5 Woodwork, N5 Metalwork

THIS QUALIFICATION COULD TAKE YOU:

Advanced Higher Graphic Communication College and/or University to do Graphic Design or similar Apprenticeships or employment

YOU WILL BE ASSESSED BY:

An assignment issued by the SQA but completed in class with your class teacher from during February/March. An 80 mark exam paper.

USEFUL RESOURCES:

SQA
https://www.sqa.org.uk/sqa/47929.html

PRACTICAL METALWORK - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy practical subjects in the workshop and are interested in a career as a Welder/Fabricator or other related trade

YOU WILL LEARN ABOUT:

Reading a drawing to gain information to complete a project. Learning about different metalworking tools and machines, types of metal and different processes used during this project.

REQUIRED S4 QUALIFICATIONS

S3 Practical Skills or S3 Construction

THIS QUALIFICATION COULD TAKE YOU:

To further study at Level 5 Construction or other metalwork related courses – Welding etc
Apprenticeships with local companies

YOU WILL BE ASSESSED BY:

A project issued by the SQA but completed in class with your class teacher from November to March

USEFUL RESOURCES:

SQA https://www.sqa.org.uk/sqa/47461.html

PRACTICAL WOODWORK - NATIONAL 5



CONSIDER TAKING THIS IF:

You enjoy practical subjects in the workshop and are interested in a career as a Joiner or other related trade

YOU WILL LEARN ABOUT:

Reading a drawing to gain information to complete a project. Learning about different woodworking tools and machines, types of wood and types of joints during this project.

REQUIRED S4 QUALIFICATIONS

S3 Practical Skills or S3 Construction

THIS QUALIFICATION COULD TAKE YOU:

To further study at Level 5 Construction or other woodwork related courses – Joinery etc.
Apprenticeships with local companies

YOU WILL BE ASSESSED BY:

A project issued by the SQA but completed in class with your class teacher from November to March

USEFUL RESOURCES:

SQA https://www.sqa.org.uk/sqa/47462.html