

S2 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

If you're not sure about new subjects, read through the information on the following pages and speak to your class teachers,

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

All pupils in S3 and S4 will continue their learning in English and Maths.

In S3 you will also do core RME, PSE and PE as well as a Wider Achievement option

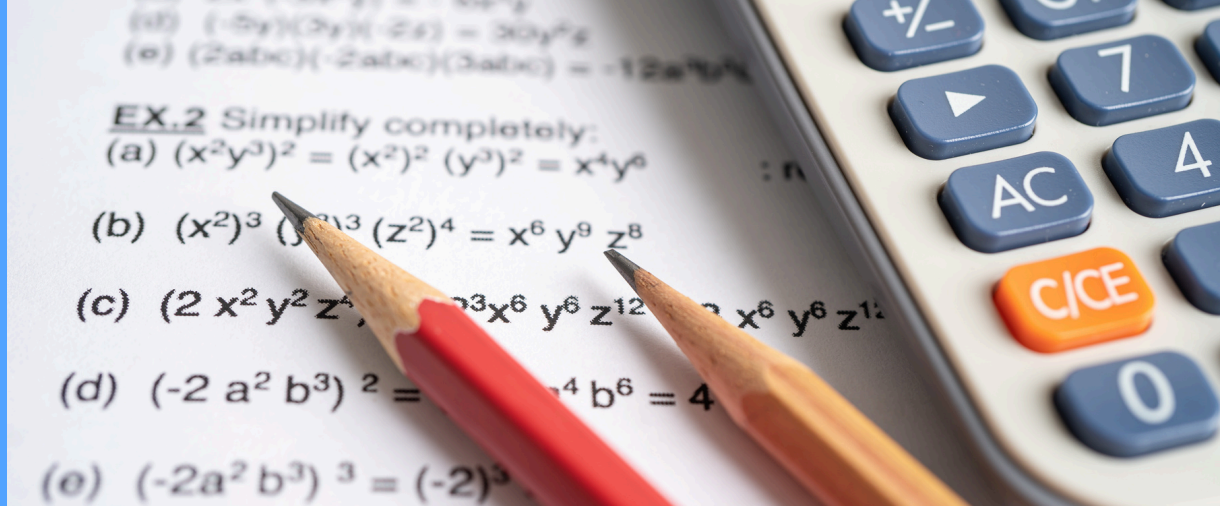
5

You should choose a subject from each of the curricular areas and you can choose 2 additional subjects. This means you can choose all 3 sciences, or multiple creative and practical subjects

6

Make sure you consider your next steps beyond S3. Your choices now will lay the foundation for your study in S4 and S5 - ensure you are taking subjects that allow you to progress to reach your full potential.

MATHS



MATHS IN S3

- All pupils will study a maths course in S3 and S4.

YOU WILL LEARN ABOUT:

- You will extend your basic numeracy skills through problem solving and tackling worded questions at level 3/4.
- You will work through 3 dedicated units: Expressions and Formulae, Relationships and Added Value.
- Topics covered involve further Algebraic skills, branching into straight line and quadratics.
- Geometric skills – Angles in Circles and Triangles, Trigonometry and Pythagoras.
- Statistics – Scatter graphs, Averages and Pie Charts. Area and Volume.

YOUR LEARNING COULD LEAD YOU TO STUDY:

- National 4 Mathematics
- Level 4 Numeracy
- Level 5 Numeracy
- National 5 Applications of Mathematics
- National 5 Mathematics

YOU WILL BE ASSESSED BY:

There will be regular unit assessments set by Qualifications Scotland, as well as an S3 Exam in December which will have a calculator and non-calculator element. This will assess both level 3 and 4 skills.

USEFUL RESOURCES

BBC Bitesize: <https://www.bbc.co.uk/bitesize/subjects/zsrjpv4>

Free Nat 3 Maths: <https://www.national5maths.co.uk/free-n3-lifeskills/>

Free Nat 4 Apps: <https://www.national5maths.co.uk/free-national-4-maths/>

Maths Workout: <https://www.mathsworkout.co.uk/>

CREATIVE INDUSTRIES



CONSIDER TAKING THIS IF:

You enjoy thinking creatively 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.

YOUR LEARNING COULD LEAD YOU TO STUDY:

Creative Industries - National 5

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



CONSIDER TAKING THIS IF:

You enjoy being creative and want a fun way to release stress. You like working on your own and with others. You enjoy playing, listening to and learning about music. You want to get better in other subjects? Take music because it is a workout for your brain. It helps you solve puzzles, builds resilience, increases patience, improves your coordination skills and so much more.

YOU WILL LEARN ABOUT:

How to have a positive impact on the world around you. You will learn how to improve on many skills and qualities which will transfer to different situations outside of the music classroom. These include

- Patience
- Resilience and Perseverance
- Problem solving
- Communication and Collaboration
- Self expression and Confidence
- Concentration and Multi-tasking
- Respect and Accountability

YOUR LEARNING COULD LEAD YOU TO STUDY:

- National 3/4/5 Music
- Creative Industries
- NPA Performing

YOU WILL BE ASSESSED BY:

- Performing to others
- Listening assessments
- Composing new music

USEFUL RESOURCES

[YouTube](#)

[My Music Online \(Website\)](#)

[Grade 1-3 theory ARSBM](#)



CONSIDER TAKING THIS IF:

You are a creative person and love all things expressive and design based. You love decision making, problem solving and expressing your creativity in a range of ways! If you are someone who wants to pursue Art & Design in S4, 5 & 6 and beyond.

YOU WILL LEARN ABOUT:

Media handling skills in paint, clay, lino printing, mark making, tonal studies and a range of mixed media works. You will also build confidence in analysing art using specific art & design terms. There is opportunity for gallery visits and location drawing as well as learning about careers and pathways that are available to you.

YOUR LEARNING COULD LEAD YOU TO STUDY:

This course links perfectly into National 5 Art & Design

YOU WILL BE ASSESSED BY:

Peer assessment
End of unit/project assessment by teacher
Presentations

USEFUL RESOURCES

<https://www.bbc.co.uk/bitesize/groups/c44r0vv1xe4t>

<https://www.bbc.co.uk/bitesize/topics/zks7tcw>

*The above link is a GCSE based course but the work undertaken here is very similar to what our focuses are in S3 Art & Design

PHOTOGRAPHY



CONSIDER TAKING THIS IF:

You love taking photos, you are creative, energetic with an open mind and able to experiment. A great choice if you are curious and want to build your problem solving skills. If you want to learn how to use cameras and other equipment then this is for you!

YOU WILL LEARN ABOUT:

How to improve your own photographs, how a camera works as well as learning about different photographers. You will learn about backdrops, lighting and different types of photography and equipment. Your presentation skills and confidence will increase in this course too. How to backup and edit your photos.

YOUR LEARNING COULD LEAD YOU TO STUDY:

This course links perfectly into Level 4+5 NPA Photography course, then Higher Photography in S5/6. This S3 course could start you on the path to study photography beyond school too.

YOU WILL BE ASSESSED BY:

Self, peer and teacher assessments.
Work on display

USEFUL RESOURCES

<https://www.bbc.co.uk/bitesize/articles/zw2ts82#zjmhfdm>

Youtube, Pinterest too

BIOLOGY



CONSIDER TAKING THIS IF:

You are interested in real-world relevance such as the environment exploring ecosystems, biodiversity, the impact of population growth while developing awareness of critical environmental issues. You will research issues and communicate your findings enhancing your scientific literacy, collaborative working and investigative work.

YOU WILL LEARN ABOUT:

Three key areas: Cell Biology, Multicellular Organisms and Life on Earth. You will learn about cell division, role of enzymes in industry and the processes of photosynthesis and respiration. The course covers reproduction, inheritance and the growth of organisms. You will also investigate how species depend on each other, explore adaptation and study the environmental impact of human activities.

YOUR LEARNING COULD LEAD YOU TO STUDY:

National 4 or National 5 Biology or into studying N5 Health sector. Many careers are linked to Biology and the key skills you learn in the subject including agriculture, cellular biology, climate change and human health.

YOU WILL BE ASSESSED BY:

In S3 Biology you will be assessed throughout the year on the 3 units of biology (cell biology, life on Earth and multicellular organisms). You will also need to complete an independent research project for the added value unit and a LO1 which is a lab report on a practical you have carried out.

USEFUL RESOURCES

BBC bitesize:

[National 4 Biology - BBC Bitesize](#)

Google classroom resources



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

YOUR LEARNING COULD LEAD YOU TO STUDY:

- Further progression into N4/N5/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:

- Unit assessments
- Practical write up

USEFUL RESOURCES

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

PHYSICS



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:

The fundamentals of electricity, waves and movement. How to use maths to predict how these things work

YOUR LEARNING COULD LEAD YOU TO STUDY:

Further progression into the Physics course:
National 4/5, Higher and Advanced Higher

YOU WILL BE ASSESSED BY:

In class tests on each of the units you study this year.

USEFUL RESOURCES

In class tests on each of the units you study this year.

LIFE SCIENCE



CONSIDER TAKING THIS IF:

You enjoy learning about all sciences (biology, chemistry and physics). There are opportunities for learners to recognise the impact science makes on developing sustainability, and its effects on the environment, on society and on the lives of themselves and others. You enjoy carrying out experiments and investigations to develop knowledge and understanding of science.

YOU WILL LEARN ABOUT:

You will develop your curiosity, interest and enthusiasm for science in a range of contexts (biology, chemistry and physics). The course covers a variety of contexts relevant to science's impact on the environment and society. It covers the topics Fragile Earth, Human Health and Applications of Science. Learners will recognise the impact science makes on their lives, the environment and society. Throughout this Course, learners will be able to develop their literacy and numeracy skills and other relevant skills for everyday life and employment.

YOUR LEARNING COULD LEAD YOU TO STUDY:

Further in science – Nat 4 of discreet science or Nat4 science. Many careers are linked to life sciences and the key skills you learn in the subject including human health, fragile earth, employability skills and numeracy skills.

YOU WILL BE ASSESSED BY:

Unit tests and LO1 practical report write up.

USEFUL RESOURCES

BBC Bitesize
SQA website

GEOGRAPHY



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:

The People on Our Planet - how and why countries are so different and what is being done to reduce these differences.

Changing landscapes in Scotland - how are cities like Dundee changing, and how is farming changing and how and why is our coastline changing.

How we are linked to climate change and, how we can help solve this problem.

How to work research our school grounds to complete a real life challenge!

YOUR LEARNING COULD LEAD YOU TO STUDY:

National 4/5 Geography

National 4/5 Travel & 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:

Mini assessments, longer unit assessments, and research projects/presentations

USEFUL RESOURCES

BBC Bitesize -

- <https://www.bbc.co.uk/bitesize/subjects/z77pr82>
- <https://www.bbc.co.uk/bitesize/subjects/z22ncdm>
- <https://www.bbc.co.uk/bitesize/subjects/ztg8kty>
- Gapminder - explore your view of the world!
<https://www.gapminder.org/>

HISTORY



CONSIDER TAKING THIS IF:

- You enjoy finding out how people lived in the past and why events happened.
- You like investigating evidence, solving historical questions and forming your own opinions.
- You want to understand how the world you live in today has been shaped by past events.
- You are interested in stories about individuals, conflicts, inventions, societies and cultural change.

YOU WILL LEARN ABOUT:

- Major world events and turning points such as **the Holocaust**, exploring its causes, impact and the experiences of victims and survivors.
- Life in past societies through the story of **Mary Queen of Scots**, including her reign, relationships, political struggles and dramatic legacy in Scottish and British history.
- How **women campaigned for the vote in Britain**, and how democracy developed through movements such as the Suffragists and Suffragettes.
- How to evaluate historical evidence, use primary and secondary sources, and understand different interpretations of the past.

YOUR LEARNING COULD LEAD YOU TO STUDY:

- National 4/5 History – continuing topics such as conflict, rights, democracy and major historical events.
- Higher History & Advanced Higher History
- Other Social Subjects
- Longer-term pathways such as Law, Journalism and Media, Teaching and Education, Archaeology and Museum Studies, International Relations and Politics, Heritage and Tourism

YOU WILL BE ASSESSED BY:

-National 4 History assessments, written reports and National 5 skills questions (later on in the year)

USEFUL RESOURCES

<https://www.bbc.co.uk/bitesize/guides/zqcn4j6/revision/1> - Mary Queen of Scots.

<https://encyclopedia.ushmm.org/content/en/article/introduction-to-the-holocaust> - The Holocaust

<https://www.bbc.co.uk/bitesize/articles/z6gh6g8#z736m39> - Women and the vote.

CLIMATE, ENERGY, LIFE TODAY & TOURISM (CELT)



CONSIDER TAKING THIS IF:

- You are interested in how our planet is changing and what this means for people and places.
- You want to understand renewable and non-renewable energy sources and how they impact everyday life.
- You enjoy learning about different countries, cultures and how tourism shapes economies and environments.
- You like investigating real-world issues and discussing possible solutions to global challenges

YOU WILL LEARN ABOUT:

- Three focus countries: Costa Rica, China, and South Africa. You will learn about the following topics and they impact that they have on our focus countries:
- **Climate change:** causes, impacts and ways we can respond locally and globally.
- **Energy:** different types of energy sources, sustainability, and how energy use affects the environment.
- **Life today:** Decision making, health indicators, voting rights.
- **Tourism:** why people travel, how tourism supports communities, and the environmental pressures it can create.

YOUR LEARNING COULD LEAD YOU TO STUDY:

- National 4/5 Geography leading to Higher Geography
- National 4 /5+ Higher Modern Studies
- National 5 Travel & Tourism
- Longer-term pathways such as Environmental Management, Sustainability Studies, Urban Planning, Renewable Energy / Engineering, Tourism & Hospitality, Geology or Earth Sciences, Geography or Environmental Science at university

YOU WILL BE ASSESSED BY:

Answering skills and knowledge questions, completing research activities and a project on using renewable energy at Brechin High School.

USEFUL RESOURCES

BBC Bitesize – Energy (Geography)

<https://www.bbc.co.uk/bitesize/topics/zx72pv4>

Met Office – Climate Change for Schools

<https://www.metoffice.gov.uk/weather/climate-change/for-schools>

NASA Climate Kids

<https://climatekids.nasa.gov/>

HEALTH AND FOOD TECHNOLOGY



CONSIDER TAKING THIS IF:

You enjoy both practical and theory elements of HE.

YOU WILL LEARN ABOUT:

Nutrition, factors affecting food choice and product development. You will also develop practical cooking skills and techniques. Will complete National 4 combined Unit for Health and Food Technology.

YOUR LEARNING COULD LEAD YOU TO STUDY:

Practical Cookery N5
Health and Food Technology N5 and Higher

YOU WILL BE ASSESSED BY:

Unit written assessments and practical activities.

USEFUL RESOURCES

Achieve; Health and Food Tech and Practical Cookery.



CONSIDER TAKING THIS IF:

You enjoy the textile unit in S1 and 2 HE.

YOU WILL LEARN ABOUT:

Properties and characteristics in fabric, construction techniques and factors that affect fashion trends.

YOUR LEARNING COULD LEAD YOU TO STUDY:

Fashion and Textiles N5 and Higher

YOU WILL BE ASSESSED BY:

SQA National 4 practical and written assessments

USEFUL RESOURCES

SQA Past Papers. Fashion information booklet.

HOSPITALITY



CONSIDER TAKING THIS IF:

Could see yourself working in the hospitality industry

YOU WILL LEARN ABOUT:

Job roles and different types of service within the hospitality industry, practical and theory.

YOUR LEARNING COULD LEAD YOU TO STUDY:

Hospitality at college or working in the industry.

YOU WILL BE ASSESSED BY:

Running events and written assessments.

USEFUL RESOURCES

Meta skills toolkit (skills development Scotland)



CONSIDER TAKING THIS IF:

Enjoy taking part in PE and have an interest in developing performance

YOU WILL LEARN ABOUT:

Developing performance in a range of sports

YOUR LEARNING COULD LEAD YOU TO STUDY:

PE N5 and Higher. NPA Sport Coaching

YOU WILL BE ASSESSED BY:

Theory unit assessments and practical special performances

USEFUL RESOURCES

Achieve; PE