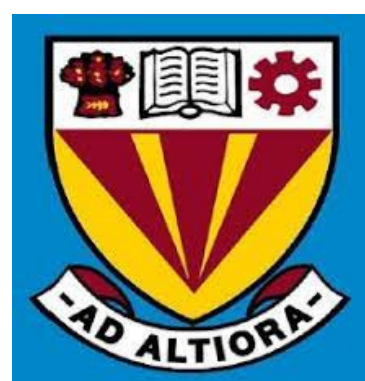




ANGUS ACADEMY Course Choice Booklet





Introduction

Angus Academy will offer a range of courses for senior phase students next session. It is a partnership which will enable all of our secondary schools to increase opportunities and ensure equity for young people in Angus in the senior phase.

The courses on offer are mainly Advanced Highers for students in S6, but there are some Higher courses that both S5 and S6 students can select. We hope to expand this offer in the future. The subjects that are on offer will either run in column B or D.

Column B will run on Monday afternoons and Wednesday in the middle of the day. Column D will run on Tuesday in the middle of the day and Thursday afternoons. Each column will have one face-to-face teaching session and one virtual afternoon. Details of all the courses on offer can be found in this booklet.

In most schools students will also have one period for independent work associated with the chosen Angus Academy course. This will allow students to undertake elements of written coursework for submission. This will also be excellent preparation for the kind of independent research that young people are required to do if they go to university.

On each school's course choice sheet, you will see what courses are on offer and where they are on offer. Some Advanced Highers will still be delivered outwith the Angus Academy offer in home schools or via the TRIC.



Entry Requirements

Students who wish to opt for one of the Angus Academy courses should be on track to achieve an A/B pass at H/N5, as appropriate, in the same subject (in some cases similar subjects will be considered). There may also be specific entry requirements in the course guide.

If a course is over-subscribed the learner journeys of all of the young people who have opted for the course will be considered. Places on each course will be allocated fairly after consideration of learner journeys and will not simply be that the school delivering the course will be allocated spaces first.

Transport

Transport arrangements will be put in place to ensure that students are able to travel from their own school to the school where the Angus Academy offer is being delivered. In some cases this may be via public transport if this is suitable.

Angus Academy offers exciting opportunities for the young people of Angus and is similar to schemes run in other local authority areas. The hybrid model of delivery will encourage independence and help best prepare our young people for life beyond school.

Summary of Courses Available

Course	Level	Column	Location
Chemistry	AH	B	Montrose Academy
Computing	AH	B	Brechin High School
English	AH	B	Forfar Academy
Geography	AH	D	Arbroath Academy
History	AH	D	Forfar Academy
Maths	AH	B OR D	Forfar Academy OR Monifieth High School
Modern Studies	AH	D	Montrose Academy
PE	AH	B OR D	Carnoustie High School OR Arbroath Academy
Physics	AH	B OR D	Monifieth/Webster's High Schools OR Forfar Academy
Statistics	AH	B	Monifieth High School
Classical Studies	H	D	Monifieth High School
Computing	H	D	Brechin High School
Dance	H	D	Monifieth High School
Economics	H	D	Brechin High School
German	H	D	Monifieth High School
Philosophy	H	B	Brechin High School
Politics	H	D	Monifieth High School
Spanish	H	B	Arbroath High School

Chemistry



Progression Pathway



H Chemistry

AH Chemistry

HND, degree or career in Chemistry or a related area, such as medicine, law, dentistry, veterinary medicine, engineering, environmental and health sciences

Course Outline

The course is comprised of three units:

Unit 1 – Inorganic Chemistry

Unit 2 – Physical Chemistry

Unit 3 – Organic Chemistry

Unit 4 – Researching Chemistry

Study at this level builds on previous knowledge and understanding of the physical and natural environments. Throughout the course, concepts which have been introduced in the Higher course are developed, leading to deeper and broader understanding. The range of practical skills is also developed with many new techniques being introduced. The course also develops the skills of independent study and thought – particularly during the individual research project. The course is particularly suitable for candidates who wish to progress to degree courses either in chemistry or in subjects in which chemistry is a major component such as medicine, chemical engineering, and the environmental and health sciences.

Course Assessment

To gain the award of the Course, the learner must pass the Course assessment. The Course assessment is externally assessed and composed of the following two components:

- Question Paper – 100 marks
- Project – 30 marks

Computing Science

AH

Progression Pathway

H Computing

AH Computing

A range of related HNDs and related degree courses. Careers in a wide range of technological sectors.

Course Outline

The course provides a broad and challenging exploration of computing technologies, focusing on developing advanced programming and research skills. Candidates learn to apply a rigorous approach to the design and development process. The course has four areas of study:

- software design and development
- database design and development
- web design and development
- computer systems

Course Assessment

The Course assessment is externally assessed and composed of the following components:

- Question Paper – 55 marks

The question paper has three sections. Section 1 is mandatory, and candidates have the option to complete either section 2 or section 3.

- Section 1: Software design and development – 35 marks
- Section 2: Database design and development – 20 marks
- Section 3: Web design and development – 20 marks

Project 80 marks

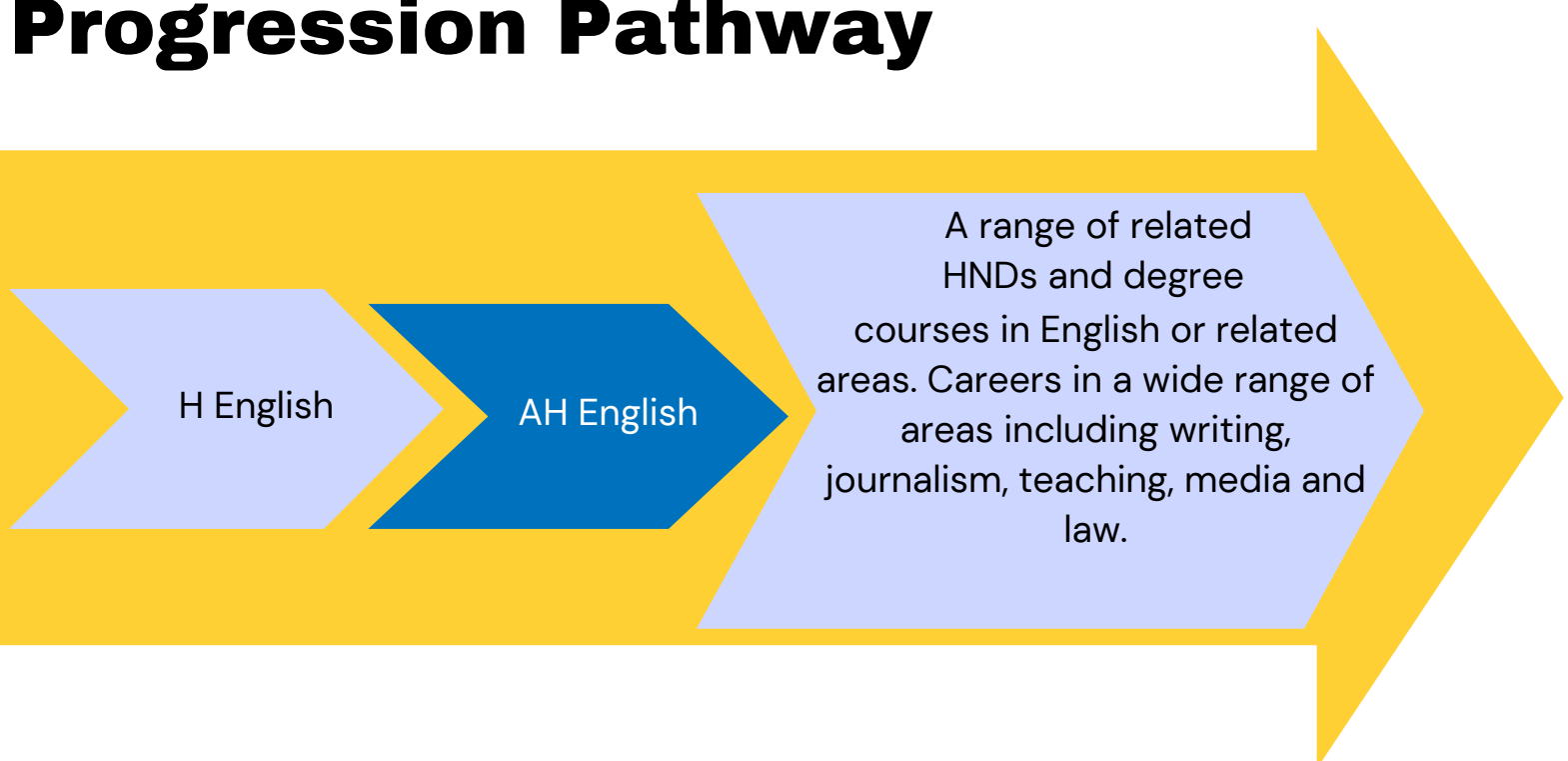
The project gives candidates the opportunity to:

- apply computational thinking to solve a complex computing problem
- analyse a complex problem within a computing science context
- design, develop, implement, test, and evaluate a digital solution to a complex problem
- demonstrate advanced skills in computer programming
- communicate understanding of complex concepts related to computing science, clearly and concisely, using appropriate terminology

English



Progression Pathway



H English

AH English

A range of related HNDs and degree courses in English or related areas. Careers in a wide range of areas including writing, journalism, teaching, media and law.

Course Outline

The Advanced Higher English course is comprised of two units:

Analysis and Evaluation Learners will provide evidence of their ability to critically respond to previously studied complex and sophisticated texts, and of their ability to carry out an independent study into an aspect or aspects of literature.

Creation and Production Learners will provide evidence of their writing skills through the production of writing which demonstrates a range of skills necessary for the deployment of language to create effect.

Course Assessment

The course will be graded A-D by the external assessment of:

- A two-part portfolio – total 60%

Part A: Dissertation – 30%

Part B: Writing – 30% (comprising two pieces of original writing)

- A two-part question paper – total 40%

Part A: Literary study – 20%

Part B: Textual Analysis – 20%

Geography



Progression Pathway



H Geography

AH Geography

Related HND and degree courses as well as a diverse range of careers.

Course Outline

The Advanced Higher qualification in Geography aims to give learners an in-depth understanding of complex ideas about how the world works. The course provides learners with the chance to carry out their own research on geographical issues of interest to themselves, with an emphasis on fieldwork.

Course Assessment

There will be 2 elements that are externally assessed:

Question Paper 50/150

- The exam comprises 3 topics looking at:

Question 1 – Map Interpretation

Question 2 – Gathering and Processing Techniques

Question 3 – Geographical Data Handling

Folio 100/150

- Geographical Study

- Geographical Essay

There will be 2 internal unit assessments:

Geographical Skills

Developing a range of geographical methods and techniques. These include mapping skills, graphical techniques, and a wide range of interpreting techniques for gathering, analysing, and geographical data.

Geographical Issues Developing critical thinking and the ability to evaluate viewpoints using evidence from a wide range of sources on complex, current geographical issues.

History

AH

Progression Pathway

H History

AH History

Related HND and degree courses as well as a diverse range of careers.

Course Outline

'Germany: from democracy to dictatorship, 1918–39 A study of the changing nature of political authority; the reasons for changes; and the consequences of the changing character of political authority.

The creation of the Weimar Republic, including: military defeat; the November Revolution and the Treaty of Versailles; social and political instability; economic crisis and hyperinflation. A period of relative stability, including: currency reform and the Dawes plan; social welfare provision; the Stresemann era in foreign affairs. The collapse of the Weimar Republic, including: economic depression and mass unemployment; the weakening of democracy; Brüning to Schleicher; the rise of Nazism; Hitler and the Nazi takeover of power. The transformation of post-Weimar society, including: Nazi consolidation of power in Germany; Nazi social and racial policies; Nazi economic and foreign policies; resistance and opposition.

Course Assessment

The dissertation: The dissertation will allow learners to apply research analysis and evaluation skills as they investigate a complex historical issue. 50 marks.

The Question Paper (3 hours): The question paper is marked out of 90. It will be divided into two sections:

- Historical Issues - 50 marks. This Section will be made up of extended response questions requiring the learner to draw on the knowledge and understanding and skills acquired during the Course.
- Historical Sources - 40 marks. This Section will be made up of extended response questions requiring the learner to draw on the knowledge and understanding and skills acquired during the course and apply these to unseen historical sources.

Maths



Progression Pathway



H Maths

AH Maths

Related HND and degree courses as well as a diverse range of careers.

Course Outline

The Advanced Higher Mathematics course develops, deepens and extends the mathematical skills necessary at this level and beyond. Throughout this course, candidates acquire and apply operational skills necessary for exploring complex mathematical ideas. They select and apply mathematical techniques and develop their understanding of the interdependencies within mathematics.

Candidates develop mathematical reasoning skills and gain experience in making informed decisions.

Course Assessment

Question paper 1 (non-calculator) 35 marks

This question paper allows candidates to demonstrate the application of mathematical skills, knowledge and understanding from across the course. Candidates must not use a calculator.

Question paper 2 80 marks

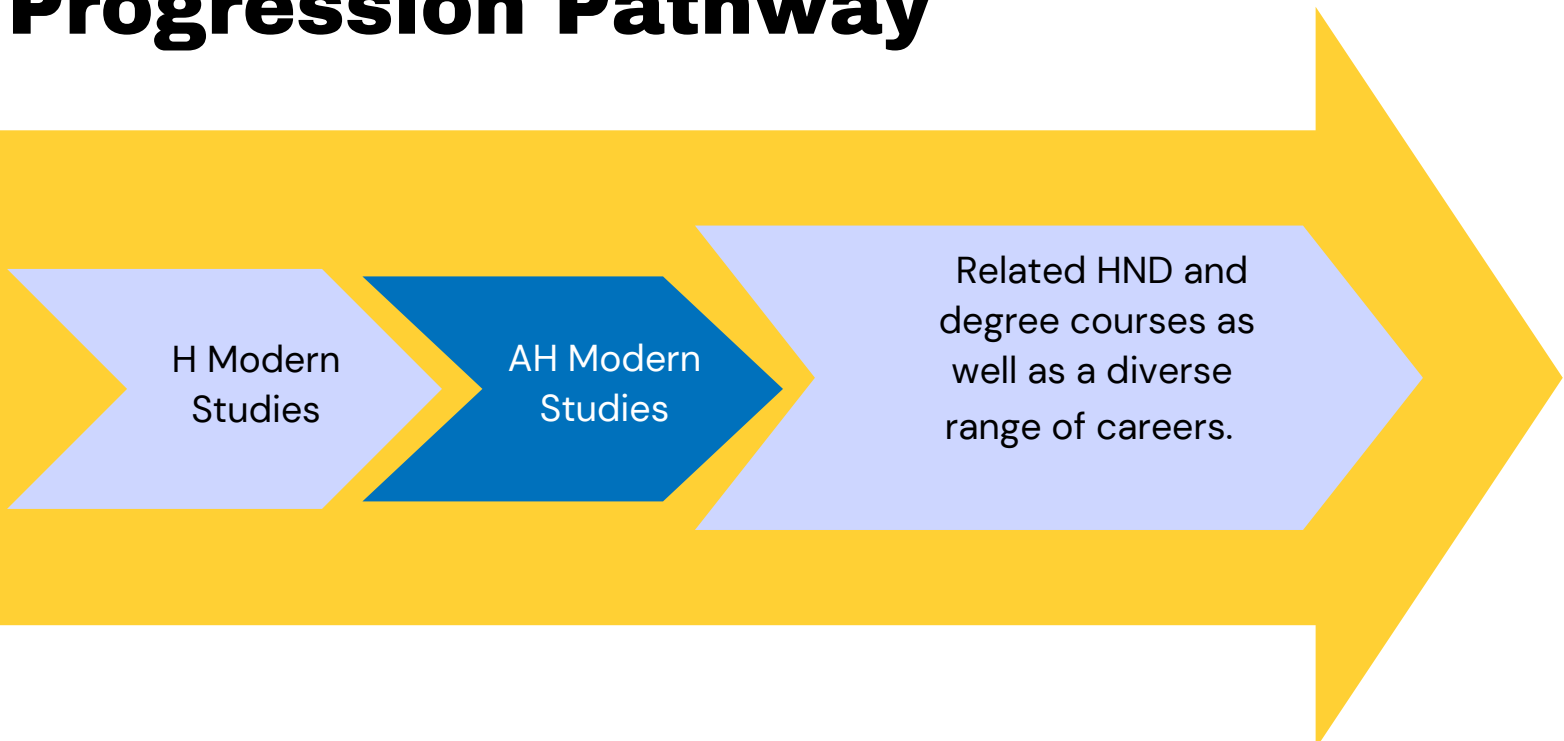
This question paper assesses mathematical skills. Candidates may use a calculator.

This question paper gives candidates an opportunity to apply numerical, algebraic, geometric, trigonometric, calculus, and reasoning skills.

Modern Studies



Progression Pathway



H Modern Studies

AH Modern Studies

Related HND and degree courses as well as a diverse range of careers.

Course Outline

Unit 1: Social Issues: Law and Order and Social Research Methods

Context A- Understanding criminal behaviour:

- A) Definitions, measurements and perceptions of crime.
- B) Contemporary relevance of theories of criminal.
- C) Social and economic impact of criminal behaviour.

Context B- Responses by society to crime:

- A) Contemporary relevance of theories of punishment.
- B) Preventative responses to crime.
- C) Criminal justice responses to crime.

Research Methods:

- A) Qualitative and quantitative social scientific research methodology.
- B) Source evaluation.

Unit 2: Researching Contemporary Issues

Pupils conduct independent primary and secondary research on a law and order topic, developing the investigative skills of planning, researching, analysing, and presentation through the production of a 5000 word dissertation.

Course Assessment

To gain a full award for this course, pupils must achieve all the component units of the course (internally assessed) as well as an external assessment. The external assessment comprises an externally set and assessed question paper and the dissertation. In addition, pupils must pass internal assessments throughout the course relating to the content of Units 1 and 2.

Physical Education

AH

Progression Pathway

H Physical Education

AH Physical Education

Related HND and degree courses as well as a diverse range of careers.

Course Outline

Students will research and analyse factors which underpin and impact on performance then use this knowledge to develop their own performance or that of others. This will involve:

- Independent academic-research into factors impacting performance
- Investigating your own performance or that of others
- Planning and implementing a Performance Development Plan (PDP)
- Reviewing and evaluating the success of your PDP

Learners will understand how to develop consistency of performance in challenging environments and become proficient in their ability to analyse and apply strategies and techniques to make appropriate decisions about their personal performance. AH PE is mainly classroom based with some practical lessons. Pupils will gather data and complete their PDP in their chosen activity outside school. It is advisable that the candidate is actively involved in competitive sport outwith school, and is on track to achieve an A/B at Higher English.

Course Assessment

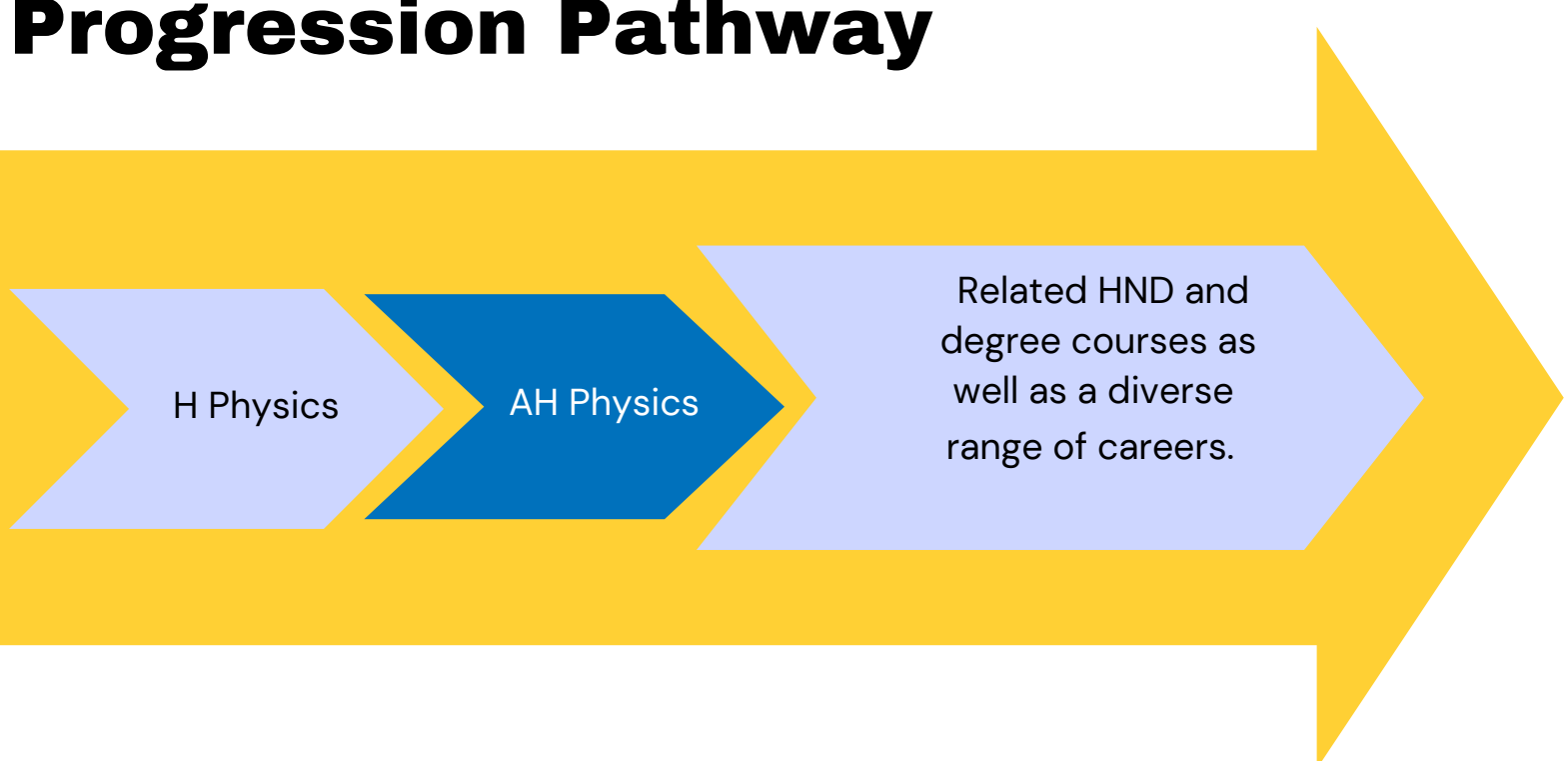
Project: Learners will complete a 5,000 word dissertation that will be submitted to the SQA for marking. This is worth 70% of the final grade. To be successful in this area of the course learners must have a strong background in written subjects (recommended A or B in Higher English or similar subject).

Learners will be assessed in an activity of their choosing. This will make up 30% of the final grade. The assessment will take place in a single, one-off assessment that takes place in a challenging or competitive environment. Learners should already be participating in a sport(s) at a high level, outside of school.

Physics



Progression Pathway



H Physics

AH Physics

Related HND and degree courses as well as a diverse range of careers.

Course Outline

This course is composed of the following four Units:

Rotational Motion and Astrophysics

Develop and apply concepts and principles in a wide variety of situations involving angular motion, rotational dynamics, and angular momentum.

Quanta and Waves

Develop and apply concepts and principles in a wide variety of situations involving quantum theory and waves.

Electromagnetism

Develop and apply concepts and principles in a wide variety of situations involving electromagnetism.

Investigating Physics

This unit offers opportunities for independent learning set within the context of experimental physics.

Learners will identify, research, plan and carry out a physics investigation of their choice.

Course Assessment

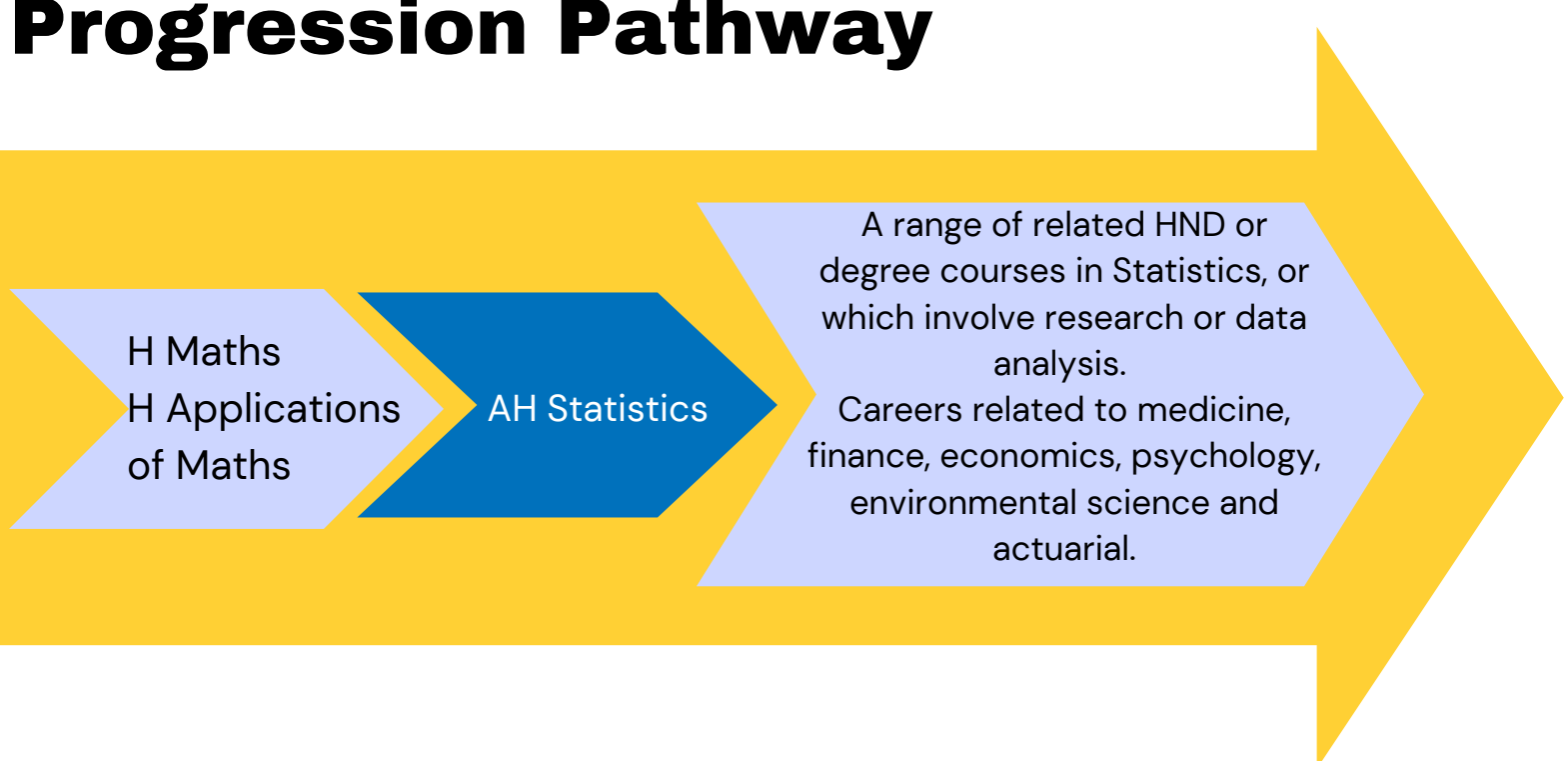
Course assessment will provide the basis for grading attainment in the Course award at levels A-D. The Course assessment is externally assessed and composed of the following two components:

- Component 1 – question paper 100 marks.
- Component 2 – project 30 marks.

Statistics



Progression Pathway



H Maths
H Applications
of Maths

AH Statistics

A range of related HND or degree courses in Statistics, or which involve research or data analysis.
Careers related to medicine, finance, economics, psychology, environmental science and actuarial.

Course Outline

Learning statistics develops logical reasoning, analysis, problem-solving skills, creativity, and the ability to think in abstract ways. The course develops important statistical techniques that allow candidates to make links between statistical models and the real world, facilitating reasoned arguments based on sound logic.

The course comprises three units:

Data Analysis and Modelling – we calculate theoretical probabilities and model how larger data sets should behave.

Statistical Inference – here we investigate methods in collecting data for sampling purposes.

Hypothesis Testing – this involves choosing a test appropriate to the data we have, comparing it to a previous norm or belief. Once our choice is made, we carry out the test and make our conclusion on the back of our calculations.

Course Assessment

This consists of two examination papers at the end of the course.

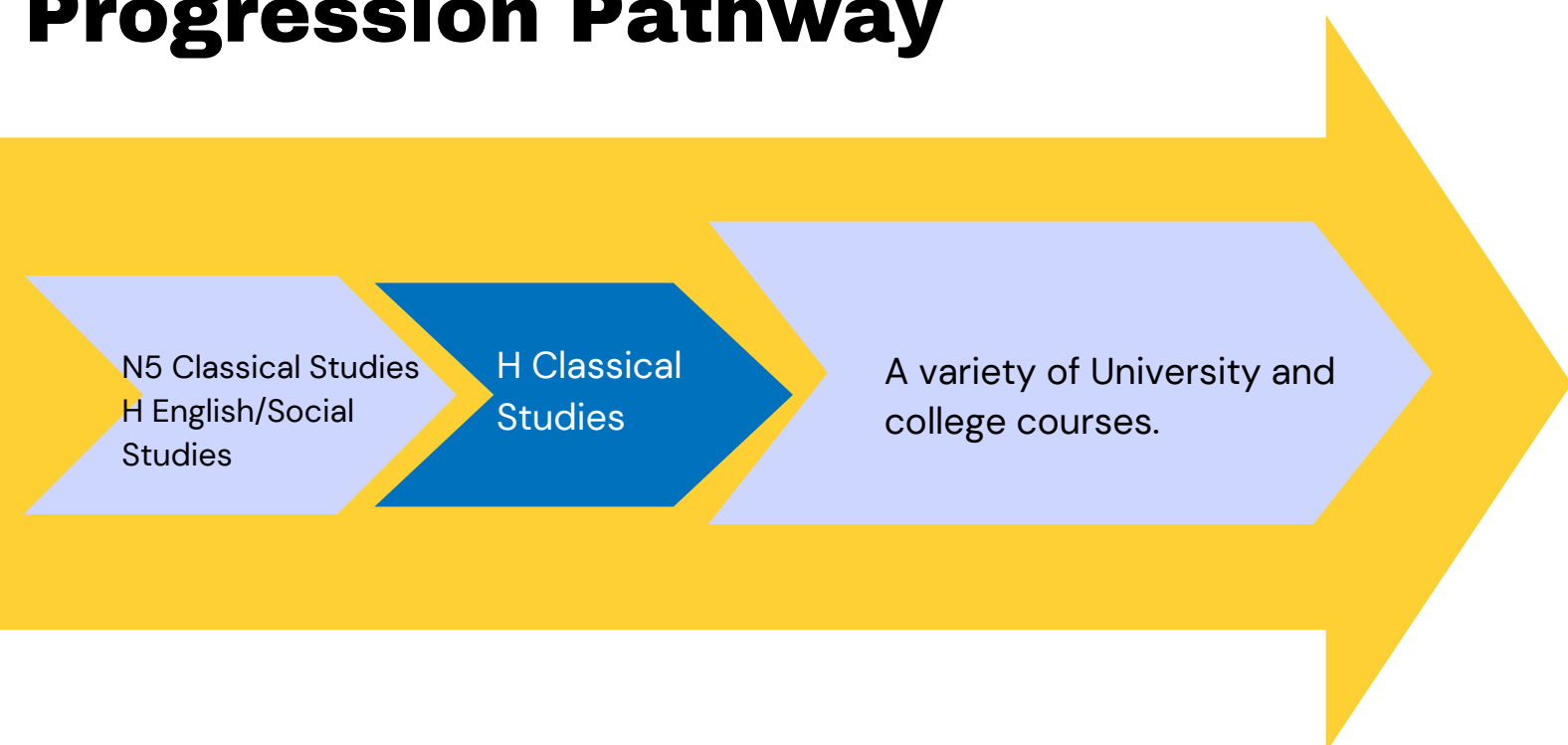
Paper 1 is worth 30 marks and lasts 1 hour. It will typically contain two questions that give candidates an opportunity to analyse a statistical report and to interpret summary statistics, including those generated by statistical software packages.

Paper 2 is worth 90 marks and lasts 2 hours and 45 minutes. It will contain questions which give candidates an opportunity to apply an understanding of the underlying processes involved in hypothesis testing, statistical inference and data analysis specified above.

Classical Studies



Progression Pathway



Course Outline

Learners on the Higher course will develop: in-depth knowledge and understanding of universal ideas, themes or values revealed by classical literature; a range of religious, political, social, moral and cultural values and practices of classical Greek and Roman societies.

The course is broken into four parts (Life in classical Greece, Life in the Roman World, Classical literature and Assignment). In each, learners will develop the skills required to analyse primary texts, and understand historical information within specific contexts. Learners learn to approach primary sources analytically, understanding how to describe, explain, analyse, contrast, assess and draw conclusions from ancient texts.

Course Assessment

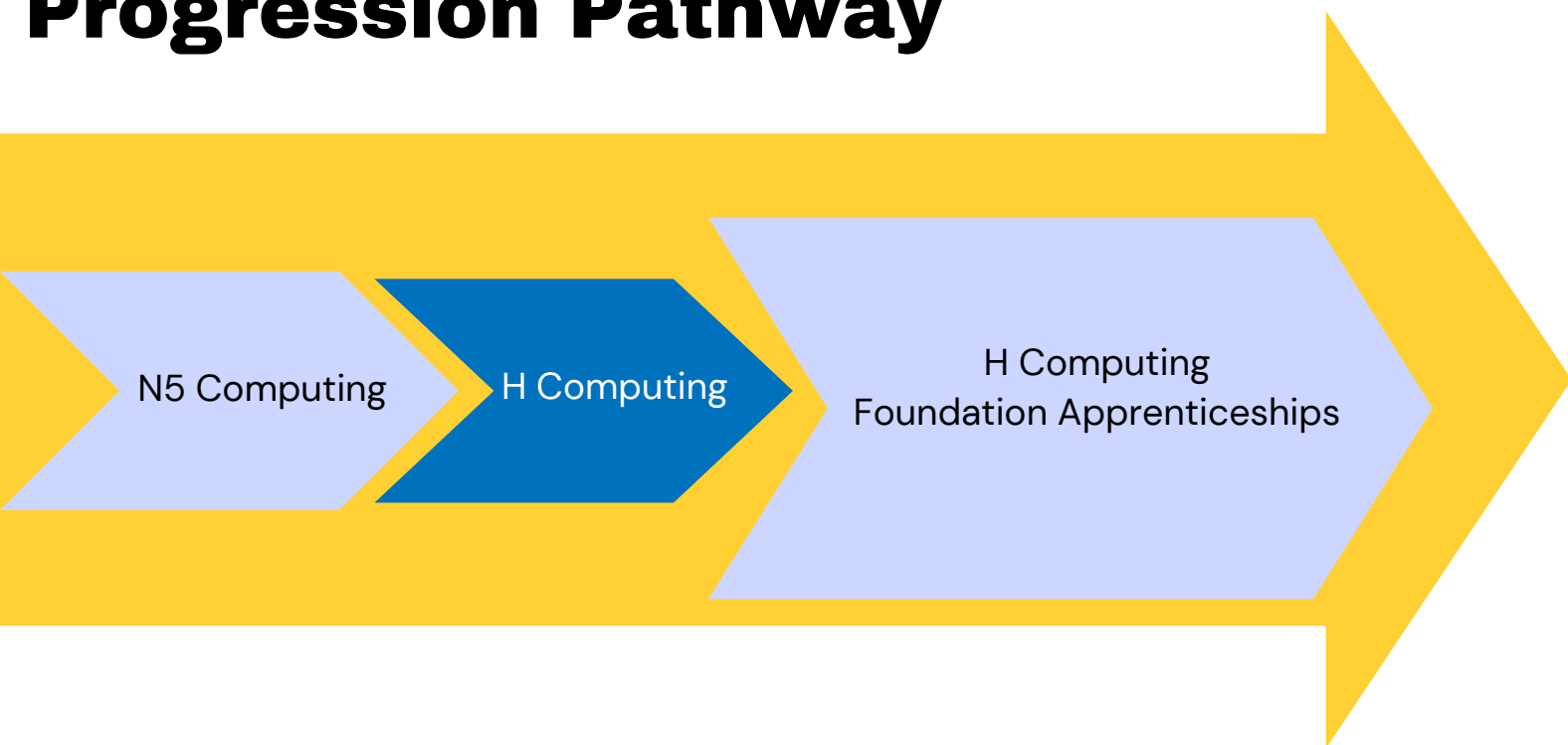
Three of these four components (Life in classical Greece, Life in the Roman World, Classical literature), are assessed by an external examination at the end of the year (worth 80 marks – 73% of the course award).

The final part is assessed by a pupil-led assignment conducted in school (worth 30 marks – 27% of the course award).



Computing Science

Progression Pathway



Course Outline

The Course has two mandatory units:

Software Design and Development

Candidates develop knowledge and understanding of advanced concepts and practical problem-solving skills in software design and development.

Computer systems

Candidates develop their understanding of how data and instructions are stored in binary form and factors affecting system performance.

Learners will also undertake one Optional Unit from:

Database Design and Development

Candidates develop knowledge, understanding and advanced practical problem-solving skills in database design and development.

Web Design and Development

Candidates develop knowledge, understanding and advanced practical problem-solving skills in web design and development.

Brechin High School: Programming Language used is Python. Optional Unit delivered is Database Design and Development

Course Assessment

Candidates will be assessed by a combination of a question paper worth 80 marks and an assignment worth 40 marks. Learners will apply knowledge and skills to solve an appropriately challenging computing science problem. The question paper is attempted as a 2 hour exam. The assignment is completed over a period of 6 hours.

Dance



Progression Pathway

N5 Dance
Background in
Dance
Performnace

H Dance

Professional Dance Practice
at D&A College

Course Outline

The course consists of three components: Question Paper, Practical Activity and Performance. The course inspires and challenges candidates by giving them the opportunity to create, appreciate and perform dance. Candidates use knowledge and understanding of dance techniques and choreographic skills to inform practice and develop skills in appreciating and evaluating dance practice and theatre arts.

Candidates learn how to use dance techniques and choreography creatively to enhance performance. They experiment with a range of dance styles and learn how to apply them to enhance their own performances and the performances of others. Candidates also explore the use of theatre arts in dance.

Course Assessment

Component one: question paper -

Dance Appreciation in Context and Study of a Professional Dancer 40 marks (30% of total)

Component two: Practical Activity -

Choreography and Choreography Review 70 marks (30% of total)

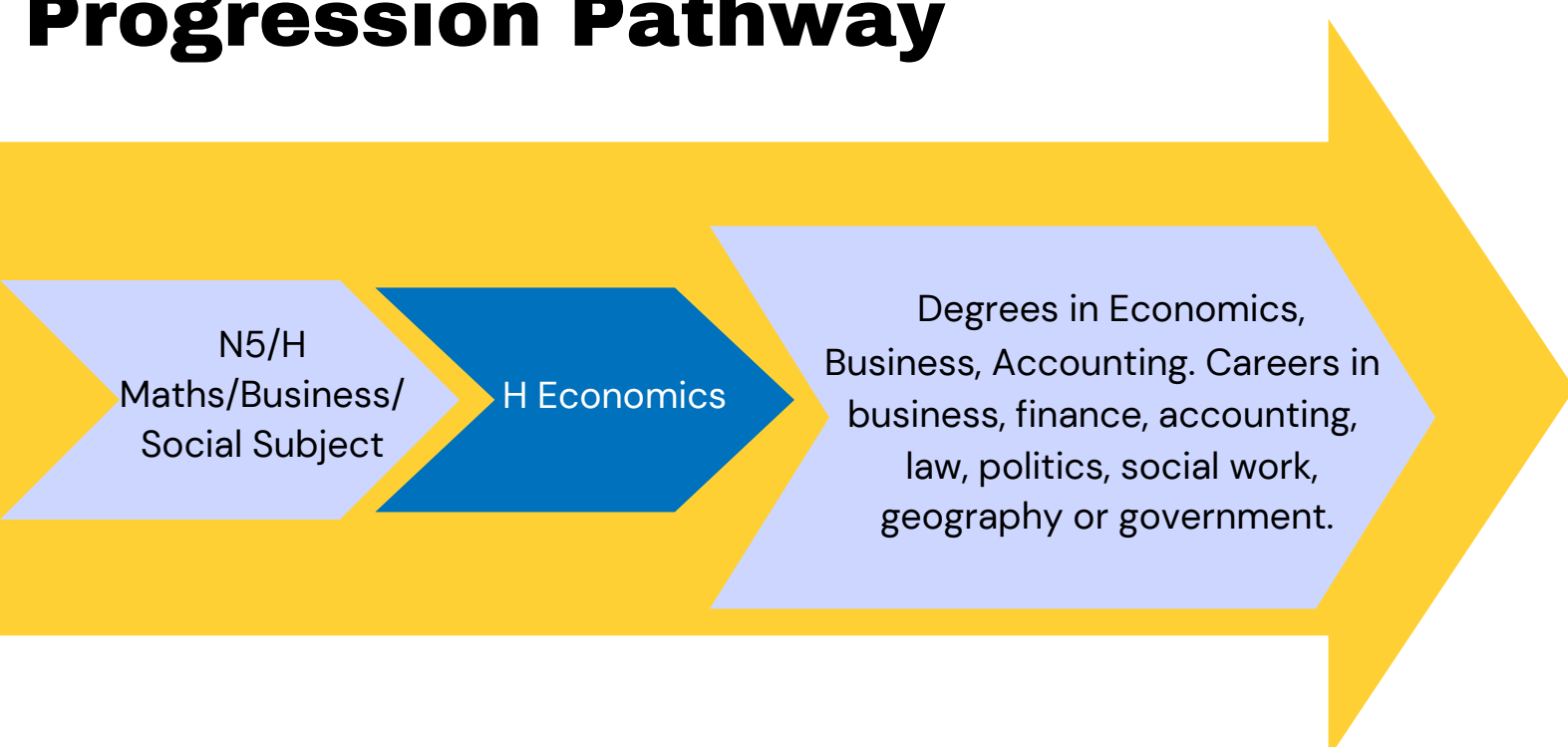
Component three: Performance -

Two solo performances in contrasting dance styles 70 marks (40% of total)

Economics



Progression Pathway



Course Outline

The course consists of three areas of study:

Economics of the market

Candidates develop their understanding of how to analyse the basic economic problem. They examine and analyse how demand and supply drives resource allocation and economic production.

UK economic activity

Candidates develop their understanding of how to analyse government income and expenditure. They evaluate the role of the public and private sectors in the economy. Candidates develop the ability to assess the policies and other methods used by the UK government to achieve its economic aims.

Global economic activity

Candidates develop their understanding of how to analyse the global nature of economics. They explore global trade and its importance to the UK economy. Candidates examine economic features and impacts of developing countries, emerging economies, global institutions and the EU.

Students should be on track to achieve a National 5 A/B in Maths to take this subject.

Course Assessment

Question paper – 90 marks

Assignment – 30 marks. This will be sent to the SQA for marking.

German



Progression Pathway

N5 German

H German

Advanced Higher
Further study of languages.
A variety of University and
college courses.

Course Outline

The course covers the study of 4 main context areas – Society, Learning, Employability and Culture, looking in detail at topics such as family and relationships, media and technology, health, school and future plans, the importance of languages in the world of work and holidays.

Within this framework, we will develop our skills and confidence in Listening, Reading, Talking and Writing.

Course Assessment

The course assessment will comprise externally and internally assessed components, totalling 120 marks.

Talking assessment – 30 marks, internally assessed and completed in late February/Early March

Writing Assignment – 20 marks, completed in class time and externally marked. This will be completed early in term 3.

SQA exams in May comprise of:

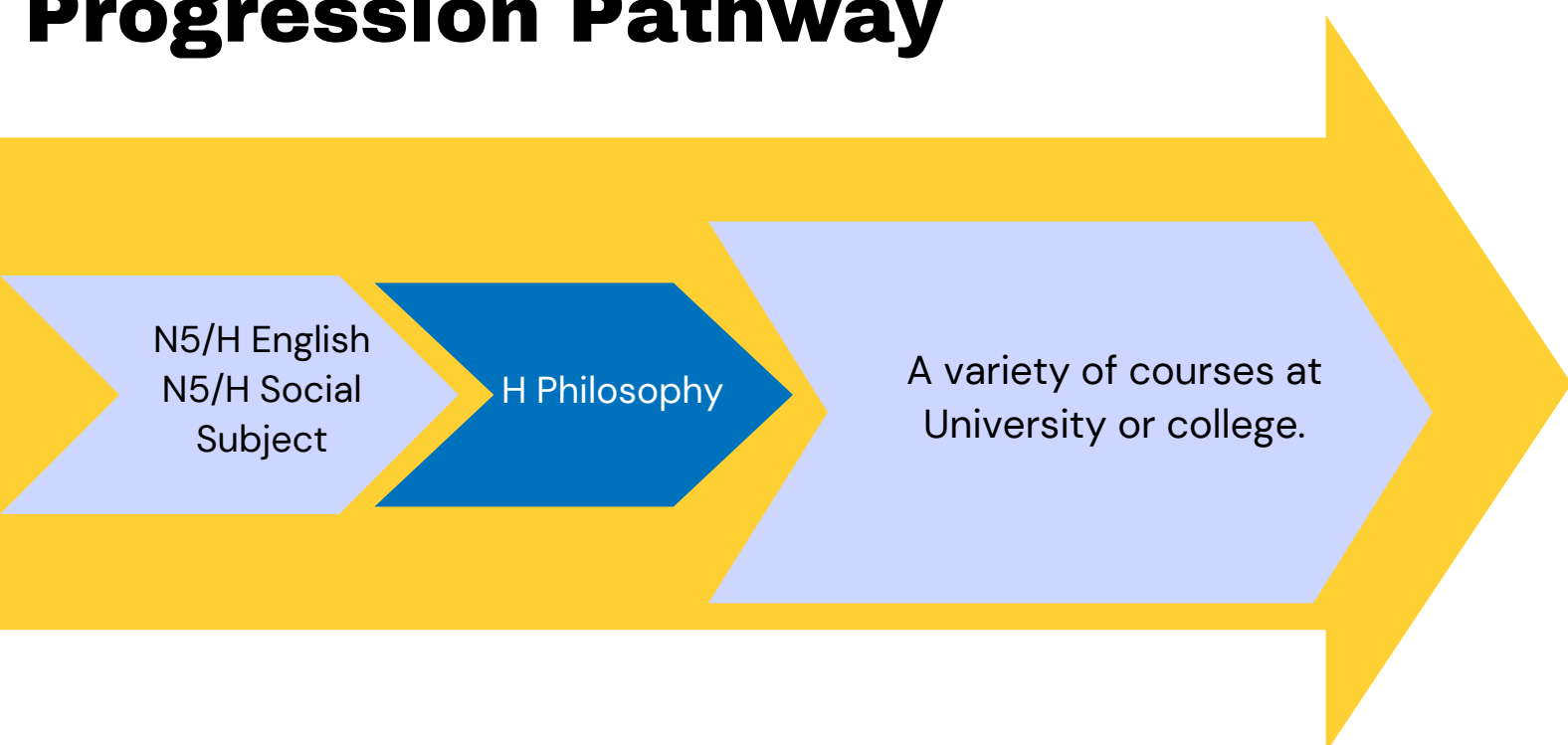
Paper 1 – Reading, Translation and Directed Writing 50 marks. (Reading 20, Translation 10, Directed Writing 20)

Paper 2 – Listening, 20 marks.

Philosophy



Progression Pathway



Course Outline

Pupils study 3 units:

- **Arguments in Action:** Pupils will develop critical thinking skills and the ability to analyse and evaluate arguments. Pupils will study argument structure, philosophical techniques and common errors in reasoning.
- **Knowledge and Doubt:** Pupils will study two Philosophers who have different theories on how we come to have knowledge.
 - o Descartes – Descartes believed we are all born with some knowledge that we uncover throughout our lives using our reason and logic.
 - o Hume – Hume believed we are born knowing nothing, and can only know things through our experiences and the senses.
- **Moral Philosophy:** Pupils will study two moral theories and evaluate their effectiveness in helping us to decide between right and wrong. Pupils will also apply moral theories to real life and hypothetical scenarios.
 - o Utilitarianism – Utilitarians believe in the greatest happiness for the greatest number – so long as the consequences bring about lots of happiness then it is the morally correct thing to do.
 - o Kantianism – Kant believed consequences are not important. It is your motive that determines right and wrong and we should always carry out our duty, even if it causes bad things to happen.

Course Assessment

Internal:

- End of unit assessments based on the exam questions (results will generate a working grade for tracking purposes)

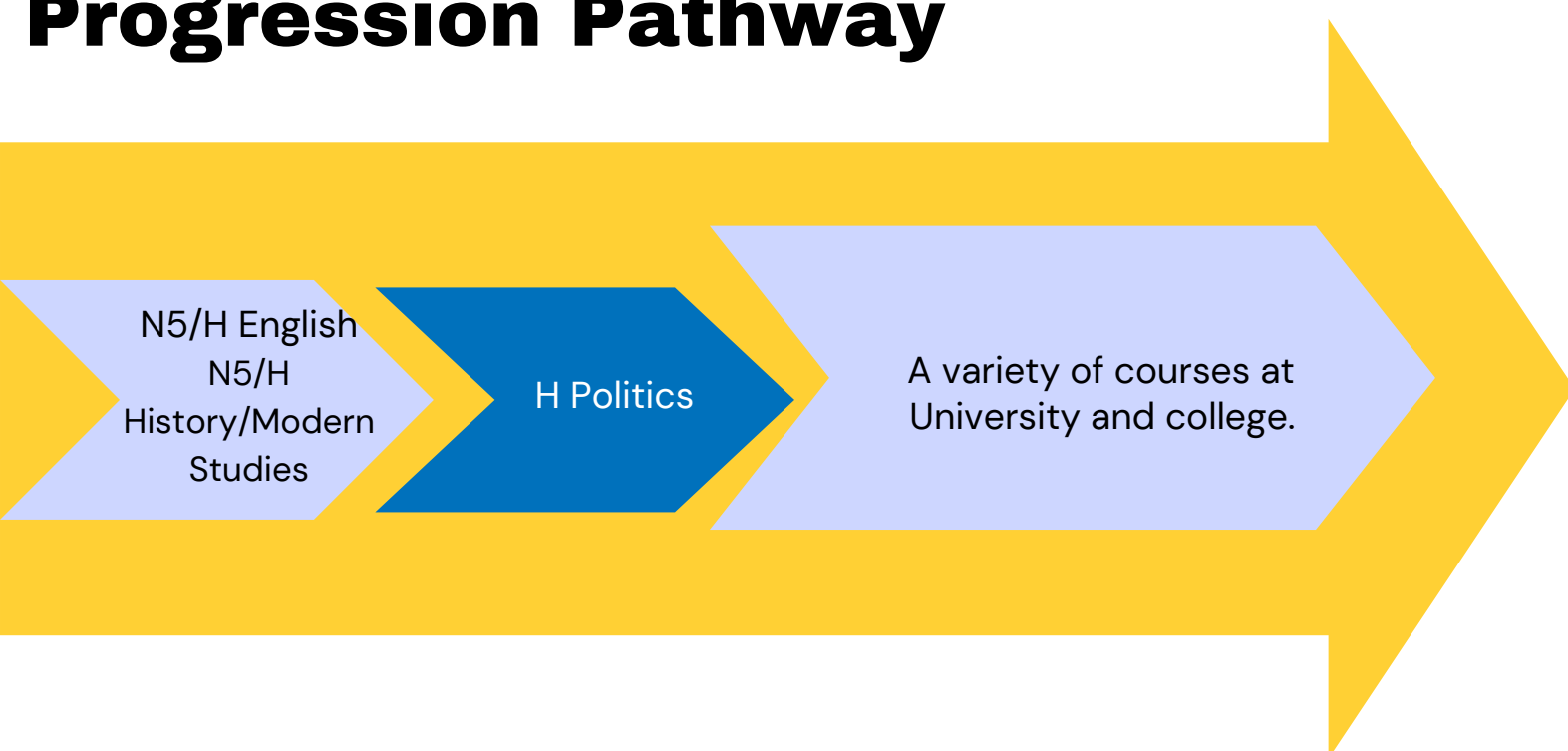
External:

- SQA Examination: 110 marks over 2 Papers
- Paper 1: This paper has 2 essay questions to answer. The first essay will be on either Descartes or Hume – philosophers studied as part of unit 2. The second essay will be on either Utilitarianism or Kantianism – the moral theories studied in unit 3. Both essays are worth 30 marks.
- Paper 2: This is made of short answer questions from each section of the course. 30 marks are for unit 1 (Arguments in Action), and 10 marks each for Knowledge & Doubt and Moral Philosophy.
- There is no coursework or assignment for Higher Philosophy.

Politics



Progression Pathway



Course Outline

The course consists of three areas of study: Political theory, Political systems, and Political parties and elections. There is considerable flexibility in the contexts that can be studied within each area to allow for personalisation and choice.

Students must be on track to pass N5 English at A or B as a minimum entry requirement.

Course Assessment

Question paper 1 52 marks

The question paper has three sections:

Section 1: Political theory

Section 2: Political systems

Section 3: Political parties and elections.

Question paper 2 28 marks

This question paper enables candidates to demonstrate the following skills:

- comparing information about political theories, systems and parties
- interpreting, evaluating and synthesising a wide range of electoral data

Assignment 30 marks

The assignment asks candidates to:

- identify a political issue that invites discussion and debate
- research a political issue using a range of sources of information
- show detailed factual and theoretical knowledge and understanding of a political issue
- communicate information from, and refer to, political sources
- analyse and synthesise information in a structured manner
- draw a detailed and reasoned conclusion, showing an awareness of different points of view.

Spanish



Progression Pathway

N5
Spanish

H Spanish

Advanced Higher.
Further study of
languages. A variety of
University and college
courses.

Course Outline

The course covers the study of 4 main context areas - Society, Learning, Employability and Culture, looking in detail at topics such as family and relationships, media and technology, health, school and future plans, the importance of languages in the world of work and holidays.

Within this framework, we will develop our skills and confidence in Listening, Reading, Talking and Writing.

Course Assessment

The course assessment will comprise externally and internally assessed components, totalling 120 marks.

Talking assessment - 30 marks, internally assessed and completed in late February/Early March

Writing Assignment - 20 marks, completed in class time and externally marked. This will be completed early in term 3.

SQA exams in May comprise of:

Paper 1 - Reading, Translation and Directed Writing 50 marks. (Reading 20, Translation 10, Directed Writing 20)

Paper 2 - Listening, 20 marks.