



**ANGUS
ACADEMY
Course Choice
Booklet**

Biology

AH

Progression Pathway

H Biology
OR
H Human
Biology

AH Biology

HND, degree or career in biology or a related area, such as medicine, dentistry, veterinary medicine, professions allied to medicine, horticulture, pharmacology, environmental science, or health

Course Outline

This course is composed of the following 3 Units

Cells and Proteins

Proteomics, protein structure, binding and conformational change; membrane proteins; detecting and amplifying a stimulus; communication within multicellular organism and protein control of cell division. The Unit includes important laboratory techniques for biologists.

Organisms and Evolution

Evolution; variation and sexual reproduction; sex and behaviour and parasitism. This Unit covers techniques for ecological field study.

Investigative Biology

This Unit builds on understanding of the scientific method from Higher Biology. Learners will develop knowledge and understanding of the principles and practice of investigative biology and its communication. The Unit covers scientific principles and processes, experimentation, and critical evaluation of biological research.

Course Assessment

To gain the award of the Course, the learner must pass the 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:

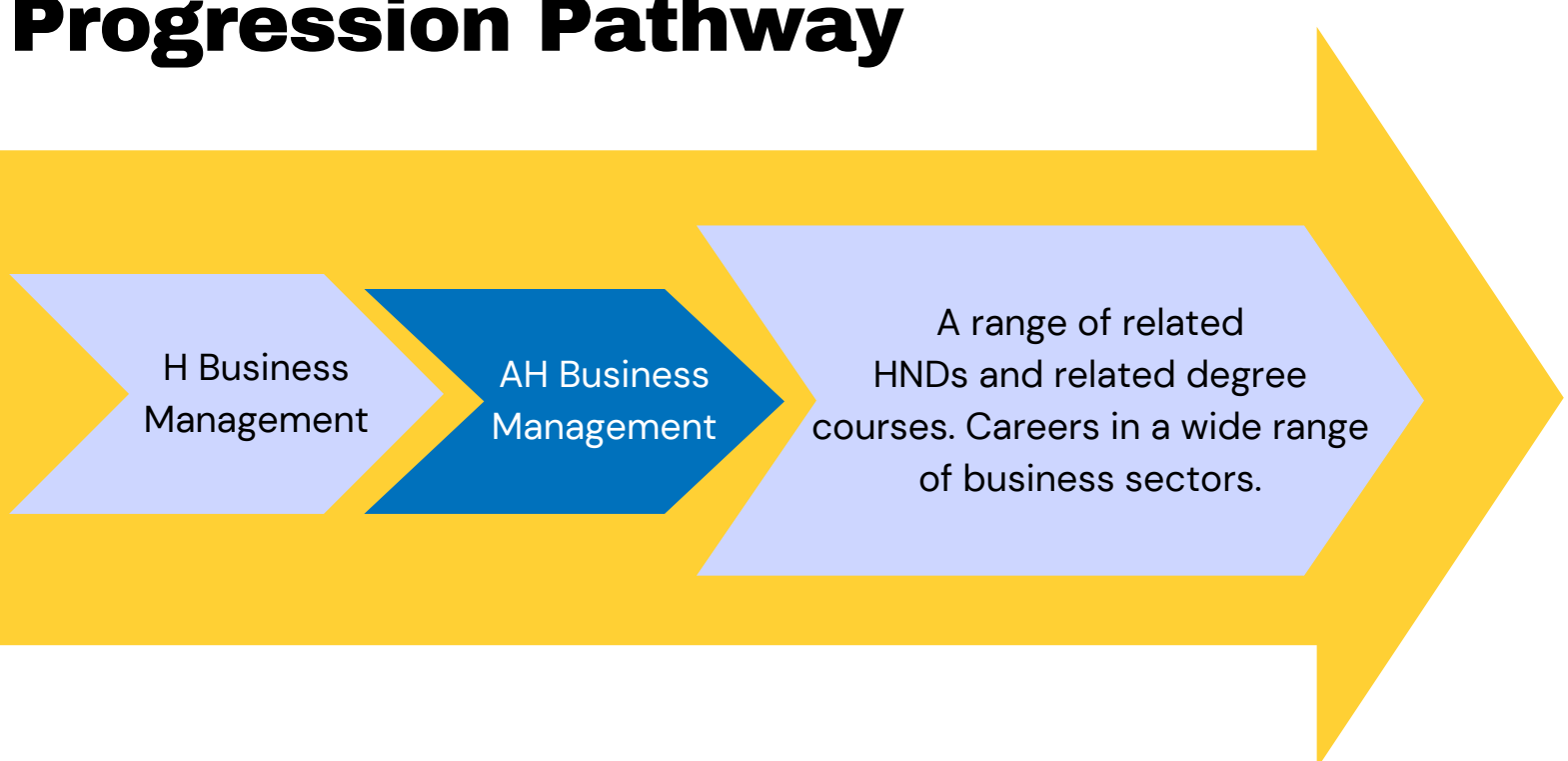
Course assessment structure:

- Question paper – 100 marks
- Project – 30 marks

Business Management



Progression Pathway



H Business
Management

AH Business
Management

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

Course Outline

The course has three areas of study:

The external business environment

Candidates develop a detailed knowledge and in-depth understanding of the effects of external influences on organisations operating at a multinational and global level. They gain an in-depth understanding of current issues affecting organisations in an economic, social and environmental context, and consider the effectiveness of various courses of action.

The internal business environment

Candidates expand their knowledge of both traditional and contemporary management theories used by organisations to maximise efficiency and evaluate theories relating to internal factors that influence the success of teams.

Evaluating business information

Candidates develop skills in evaluating a range of business information used by organisations to reach conclusions.

Course Assessment

The course assessment has two components totalling 120 marks:

- Question Paper – worth 80 marks (consisting of two sections, section 1 worth 10 marks, and section 2 worth 40 marks)
- Project – worth 40 marks.

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:

- Inorganic and Physical Chemistry
- Organic Chemistry and Instrumental Analysis
- 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. 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:

- Question Paper – 100 marks
- Project – 30 marks

Computing Science



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

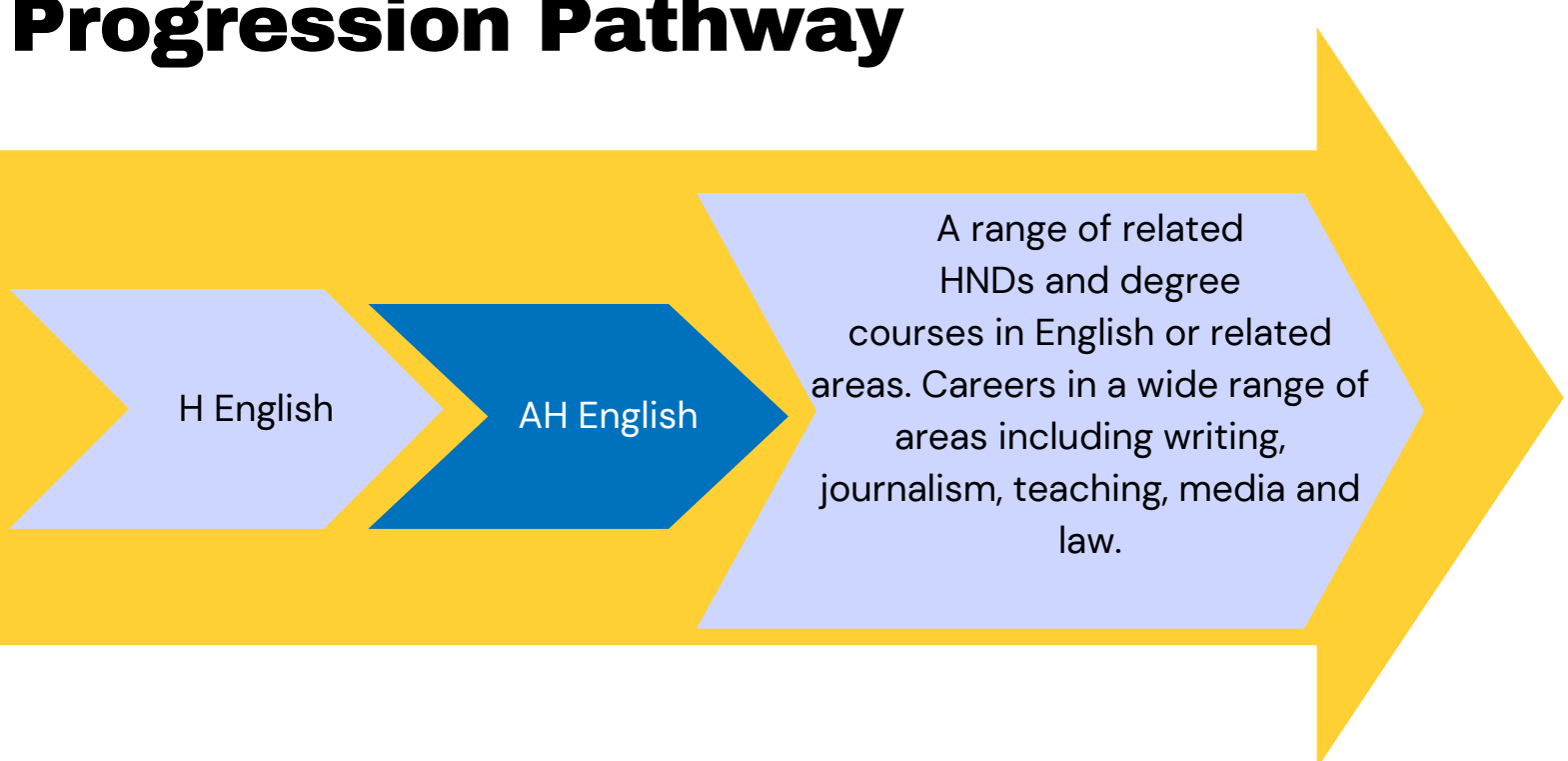
The project gives candidates the opportunity to:

- 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:

English: 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.

English: 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%

French



Progression Pathway



H French

AH French

Other modern language qualifications or related areas, further study, employment and/or training.

Course Outline

The Advanced Higher French course consists of 3 units:

Understanding Language

Within the contexts of Society, Learning, Employability and Culture students have the opportunity to develop and extend their reading and listening skills

Using Language

In the same four contexts students develop and extend their talking and writing skills

Specialist study

Students develop and extend their planning, research, and analytical skills to undertake an independent study based on literature or media.

Course Assessment

The course assessment will comprise:

- A Reading and Translation paper worth 50 marks
- A Listening and Discursive writing paper worth 70 marks
- A Talking performance marked by a Visiting Examiner worth 50 marks (completed in February or March)
- A portfolio (the final product of the work done on a literary or media topic). This is worth 30 marks and is sent off to the SQA for assessment by them before the Easter break.

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 statistical techniques for gathering, analysing, and interpreting 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



Progression Pathway



H History

AH History

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

Course Outline

'The House Divided': USA 1850 – 65

A study of American society and the tensions within it, the causes and nature of conflict, the political, social and economic outcomes of that conflict, focusing on the themes of conflict, rights, identity and authority.

American society on the eve of war, including political, economic and social questions arising out of the newly acquired territories; centralised Federation in conflict with States' rights; conflict between the Southern slave economy and Northern industrialism.

The coming of war, including: the civil rights questions; the failure of compromise; the outbreak of war.

The Civil War, including military events and developments from Union and Confederate viewpoints; the role of foreign powers in the conflict; the experience of blacks during the war.

The effects of war, including: the political consequences; social and economic conditions in North and South

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

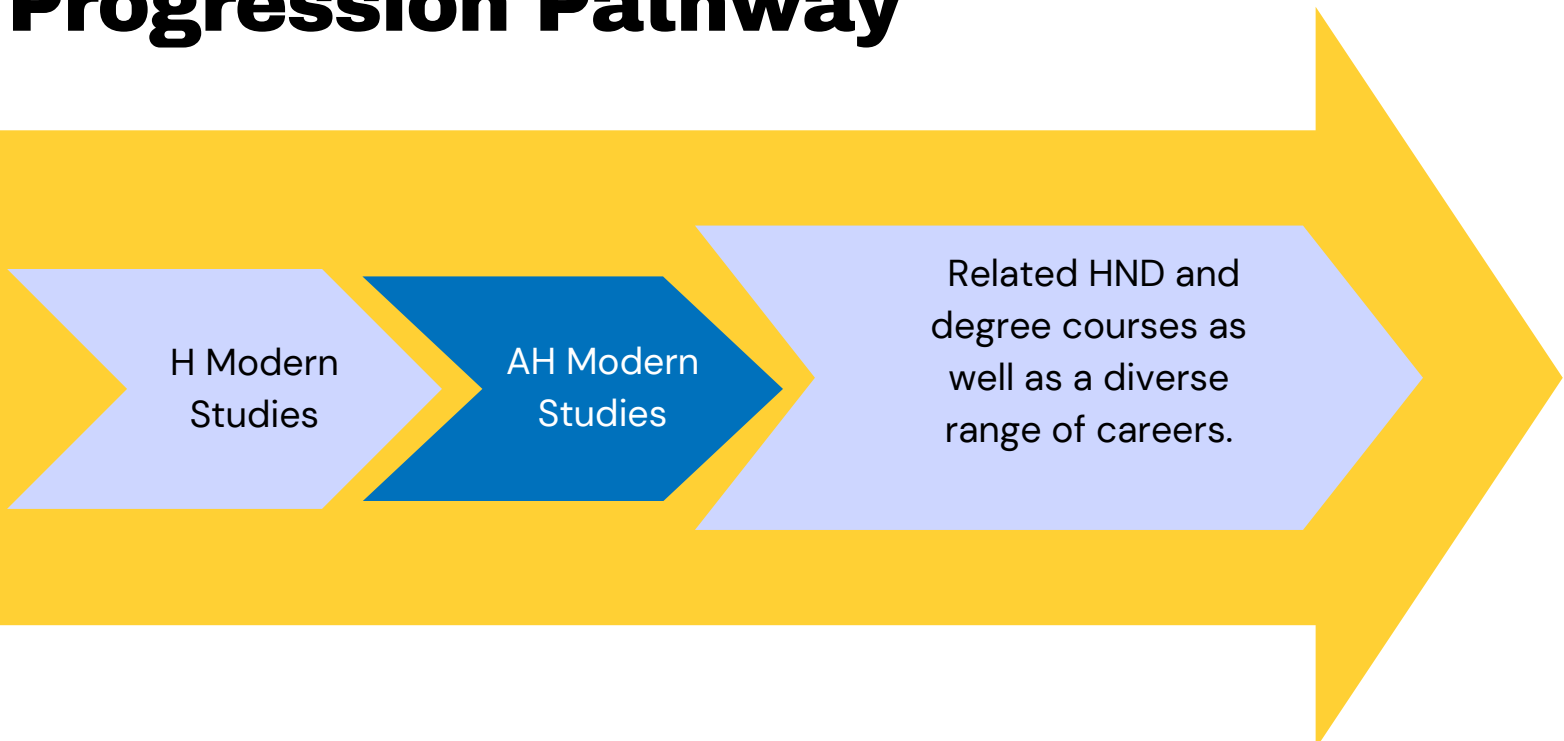
This question paper assesses mathematical skills. Candidates may use a calculator.

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.

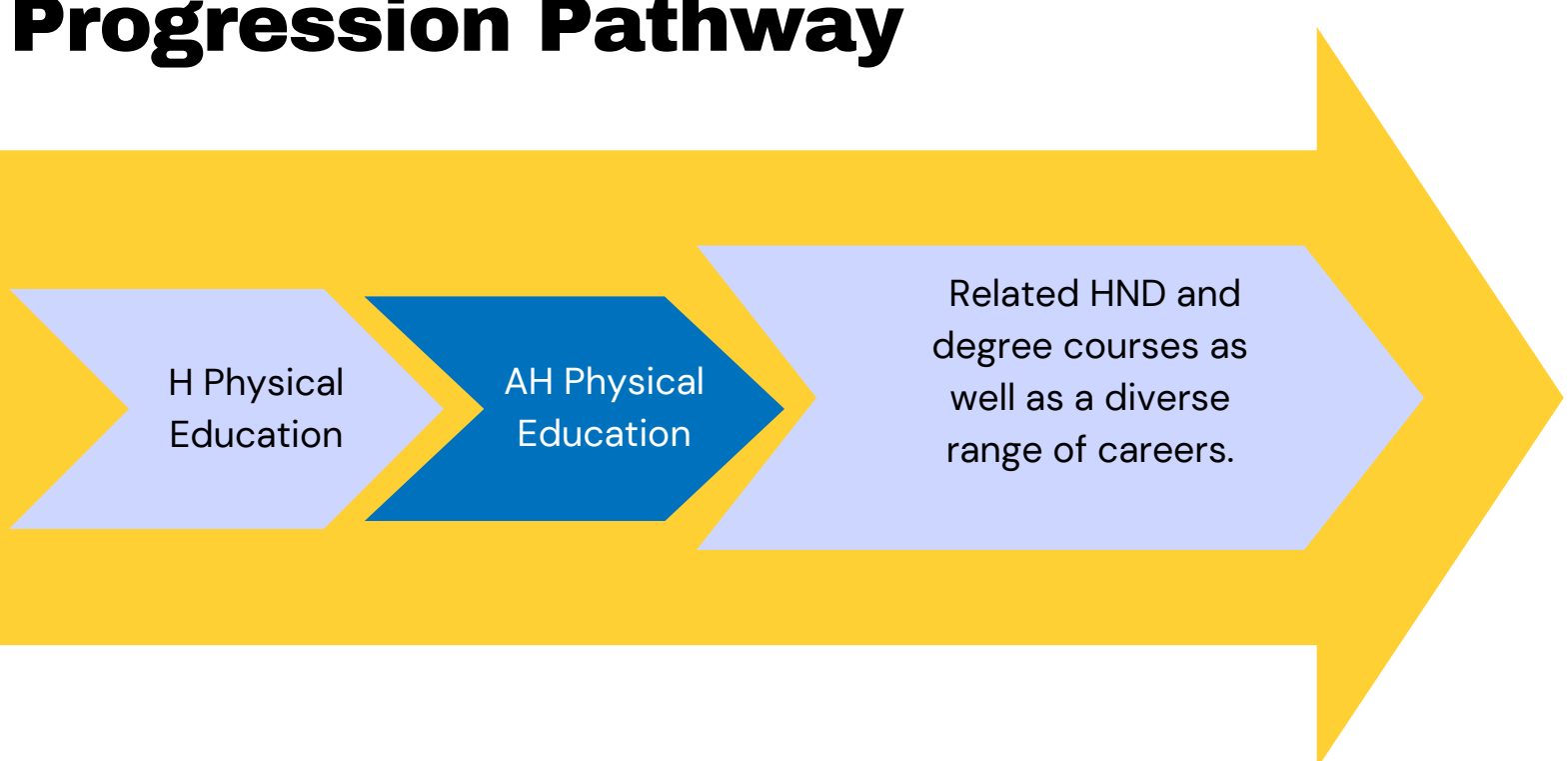
Course Assessment

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



Progression Pathway



H Physical Education

AH Physical Education

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

Course Outline

The main purpose of the Course is to research and analyse factors which underpin and impact on performance.

Learners will 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

During the course, learners will also 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.

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 (half-unit)

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

Investigating Physics (half-unit)

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

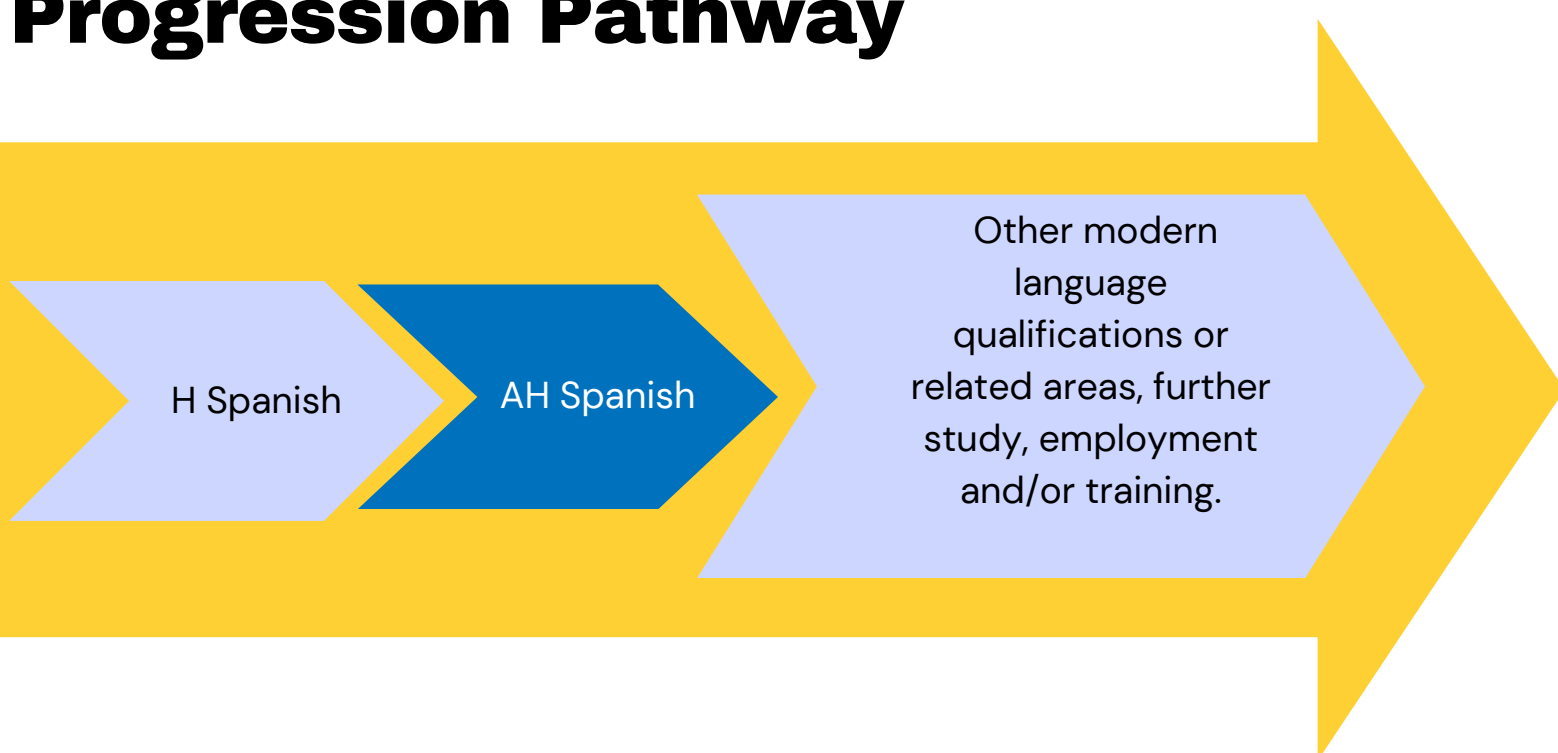
Course assessment will provide the basis for grading attainment in the Course award at levels A-D. The Course assessment is externally assessed and composed of the following two components:

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

Spanish



Progression Pathway



Course Outline

The Advanced Higher Spanish course consists of 3 units:

Understanding Language

Within the contexts of Society, Learning, Employability and Culture students have the opportunity to develop and extend their reading and listening skills

Using Language

In the same four contexts students develop and extend their talking and writing skills

Specialist study

Students develop and extend their planning, research, and analytical skills to undertake an independent study based on literature or media

Course Assessment

The course assessment will comprise:

- A Reading and Translation paper worth 50 marks
- A Listening and Discursive writing paper worth 70 marks
- A Talking performance marked by a Visiting Examiner worth 50 marks (completed in February or March)
- A portfolio (the final product of the work done on a literary or media topic). This is worth 30 marks and is sent off to the SQA for assessment by them before the Easter break.

Computing Science



Progression Pathway

N5 Computing

H Computing

AH Computing Science.
Foundation Apprenticeships.

Course Outline

The Course enables learners to develop an extended range of computing and computational thinking skills, including skills in analysis and problem-solving, design and modelling, developing, implementing, testing, and evaluating digital solutions across a range of contemporary contexts.

The Course has two mandatory Units:

- Software Design and Development (Computational constructs, Data types and structures, Testing and documenting solutions, Algorithm specification) and
- Information System Design and Development (Database and Web based structures, Media types, Coding and testing)

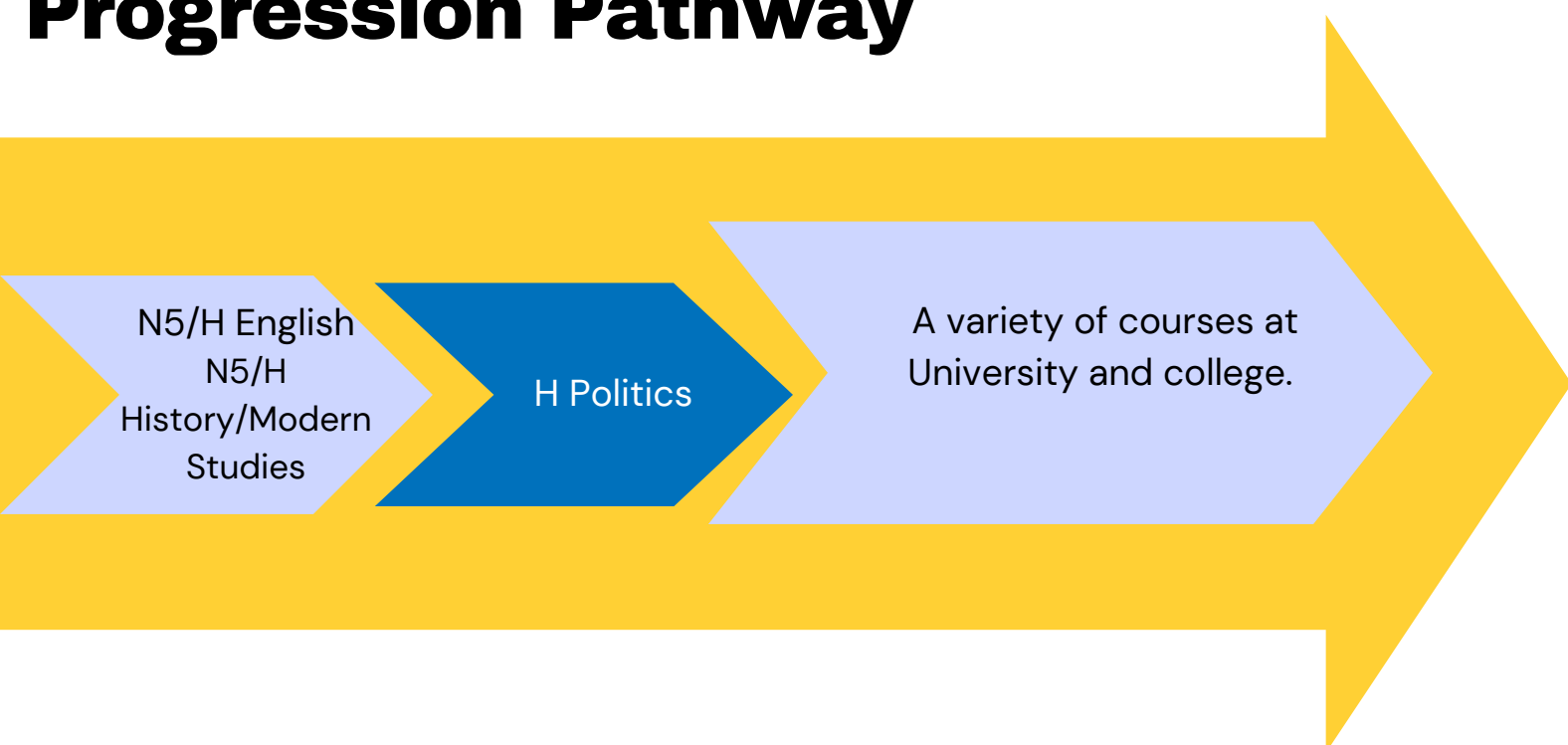
Course Assessment

The learner will be assessed by a combination of a question paper worth 90 marks and an assignment worth 60 marks. Learners will apply knowledge and skills to solve an appropriately challenging computing science problem. The question paper introduces breadth to the assessment.

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

AH Spanish

Course Outline

The course provides candidates with the opportunity to develop reading, listening, talking and writing skills in the modern language, and to develop their knowledge and understanding of detailed and complex language in the contexts of society, learning, employability, culture.

Course Assessment

Question paper 1: Reading and Directed writing 50 marks

This question paper allows candidates to demonstrate breadth, challenge and application in the skills of reading and writing.

Question paper 2: Listening 20 marks

This question paper allows candidates to demonstrate breadth, challenge and application in the skill of listening.

Assignment – writing 20 marks

The assignment allows candidates to produce a piece of writing in Spanish based on one of the following contexts: society, learning, employability, culture.

Performance – talking 30 marks

The performance is a discussion in Spanish based on at least two of the following contexts: society, learning, employability, culture.