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# Beath High School

## S4>S5 and S5>S6 Learner Pathways

### Mathematics

# 2020-21





## Introduction

S4 and S5 pupils are now considering their Learner Pathway as they move towards their S5/S6 at Beath High School. From the full range of courses on offer, pupils are required to choose five different subjects to study during third year. In addition, current S4 and S5 pupils will continue with their current NPA course as they move into S5 and S6 in 2020-21.

To ensure that learners have as much information and guidance as possible, and in addition to all of the general advice given in Personal and Social Education classes, we provide pupils with an individual interview with their Guidance teacher.

A significant amount of work has been done to review our curriculum offer to deliver our curriculum rationale:

***The Beath curriculum is designed to encourage the learning and development of all of our young people. Our curriculum allows learners to achieve their true potential through flexible pathways to success. Personalisation ensures that the needs of all learners are met. Our young people gain a portfolio of qualifications, experiences and skills from our curriculum. We utilise partnership working and we focus on improving attainment and achievement. Our learners are supported into a robust and sustained positive destination.***

If you have any further questions, please do not hesitate to make contact with the school.





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## MATHEMATICS FACULTY

- Mathematics                                      Advanced Higher                                      page 4
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- Mathematics                                      N5    page 6
- Applications of Mathematics                      N5/N4    page 7



**Subject:**

**Mathematics**

**(Advanced Higher)**

**Entry Level:**

Preferably an A or B pass at Higher Mathematics.

**Course Structure and Content:**

Advanced Higher Mathematics consists of three mandatory units:

- Methods in Algebra and Calculus
- Applications of Algebra and Calculus
- Geometry, Proof and Systems of Equations

Mathematics at Advanced Higher provides the foundation for many developments in the sciences and technology as well as having its own intrinsic value.

**Assessment:**

Continuous assessment will take place throughout S6 using tests designed to meet SQA outcomes and assessment standards.

Successful achievement of Advanced Higher Mathematics is based 100% on the final examination. There are 2 papers, non-calculator (1 hour) and calculator (2 hours 30 minutes)

**Please see Principal Teacher Curriculum for further information.**



**Entry Level:**

Preferably an A or B pass at National 5 Mathematics. Higher Mathematics is significantly harder than National 5 Mathematics. A confident pass at National 5 Mathematics is recommended.

Note: N5 Applications of Mathematics does not allow entry into Higher Mathematics.

This course is particularly suitable for candidates who:

- have demonstrated an aptitude for National 5 Mathematics
- are interested in developing mathematical techniques to use in further study or in the workplace

**Course Structure and Content:**

Higher Mathematics consists of three mandatory units:

- Applications
- Expressions and Functions
- Relationships and Calculus

**Assessment:**

Continuous assessment will take place throughout the course using tests designed to meet SQA outcomes and assessment standards.

Successful achievement of Higher Mathematics is based 100% on the final examination. There are 2 papers, non-calculator (1 hour 30 minutes) and calculator (1 hour 45 minutes)

**Please see Principal Teacher Curriculum for further information**



**Entry Level:**

National 5 Mathematics is significantly harder than National 4 Mathematics. A confident pass at National 4 Mathematics is recommended.

or

A pass at N5 Applications

**Course Structure and Content:**

National 5 Mathematics consists of three mandatory units:

- Applications
- Expressions and Formulae
- Relationships

National 5 Mathematics develops knowledge and skills required to interpret and analyse information, solve problems, assess risk and make informed decisions in mathematical and real-life situations.

**Assessment:**

Continuous assessment will take place throughout the course using tests designed to meet SQA outcomes and assessment standards.

Successful achievement of National 5 Mathematics is based 100% on the final examination. There are 2 papers, non-calculator (1 hour 15 minutes) and calculator (1 hour 50 minutes)

**Please see Principal Teacher Curriculum for further information.**



**Entry Level:**

National 5 Applications of Mathematics is significantly harder than National 4 Mathematics. A confident pass at National 4 is recommended.

or

A pass at N5 Mathematics

or

A pass at N4 Applications of Mathematics

Note: N5 Applications of Mathematics does not allow entry into Higher Mathematics.

**Course Structure and Content:**

National 5 Applications of Mathematics consists of three mandatory units:

- Geometry and Measures
- Managing Finance and Statistics
- Numeracy

National 5 Applications of Mathematics provides learners with the knowledge and understanding to manage finances, statistics, geometry and measurements in real-life contexts.

**Assessment:**

Continuous assessment will take place throughout the course using tests designed to meet SQA outcomes and assessment standards.

Successful achievement of National 5 Application of Mathematics is based 100% on the final examination. There are 2 papers, non-calculator (1 hour 5 minutes) and calculator (2 hours)

**Please see Principal Teacher Curriculum for further information.**

