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# Beath High School

## S2 into S3 Learner Pathway

### Mathematics

# 2020-21





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## S3 Learner Pathway

S2 pupils are now considering their S3 Learner Pathway as they move towards their third year at Beath High School. From the full range of courses on offer, pupils are required to choose seven different subjects to study during third year, including English and Maths. Pupils will also choose an Elective choice.

At the end of their third year, pupils will take their seven subjects forward into their fourth year and complete SQA Qualifications in the same seven subjects. It is therefore important that the correct choices are made. To ensure that they 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**
- **Applications of Mathematics**



**Subject: Mathematics**  
**Year Group: S3**

### **Course Structure and Content:**

The course is made up from various units of work.

These include Numeracy, Algebra, Statistics, Trigonometry, Geometry and Shape.

### **Skills Development:**

Pupils who study Mathematics in S3 will develop the following skills:

- Understand and use mathematical concepts and relationships
- Select and apply operational skills in algebra, geometry, trigonometry and statistics within familiar mathematical concepts
- Select and apply skills in numeracy
- Use mathematical models
- Use mathematical reasoning skills to interpret information, to select a strategy to solve a problem and to communicate solutions

Furthermore, pupils will develop skills in Literacy, Numeracy and Health and Well-Being across the curriculum.

### **Progression into the Senior Phase and Beyond:**

Mathematics is essential for providing skills for both life and work. The course will lead to accreditation at either National 3/4/5 Applications of Mathematics or National 4/5 Mathematics at the end of S4. Through discussion with your parents/carers, mathematics teacher and guidance teacher, the best course to meet your needs will be offered. Further progression in S5 and S6 could involve N4/N5/H Applications of Mathematics or N5/H/AH Mathematics. Please note that the National 5 Applications of Mathematics does not offer a route to Higher Mathematics.

### **Career/Opportunities:**

Some of the careers requiring Mathematical skills are: Data analyst, Accountant, Software engineer, Statistician, Teacher, Game designer, Financial trader, Meteorologist, Quantity surveyor, Insurance underwriter, CAD technician, Actuary, Banker.

### **Methods of Assessment:**

Continuous assessment will take place throughout S3 and S4 through tests designed to meet SQA outcomes and assessment standards.

These assessments will provide the mathematics department with valuable information when deciding later about choosing the correct presentation level e.g. National 3 Applications of Mathematics, National 4 Applications of Mathematics, National 5 Applications of Mathematics, National 4 Mathematics or National 5 Mathematics.

