

S4 courses in Mathematics

For S4, you have the opportunity to indicate a preference between **Mathematics** and **Applications of Mathematics**.

We would like you to consider, with your family, which course would be the preferred choice in S4, when you make your course choice in January.

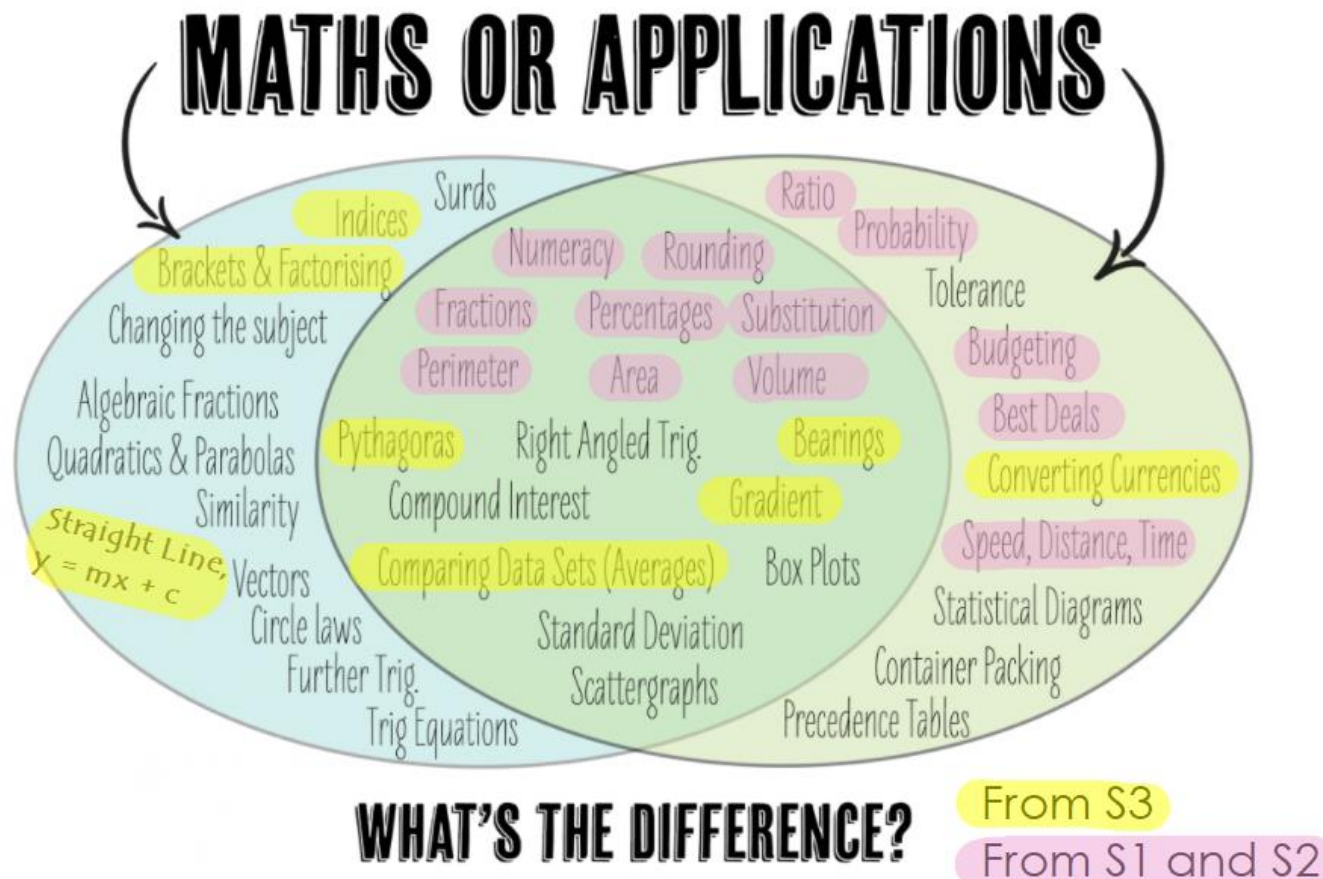
Wherever possible, this preference will be met. However, due to staffing and timetable constraints, the other course may ultimately be allocated.

We will prepare you for the most appropriate qualification (National 3, 4 or 5).

In the January S3 report, we have made a recommendation based on our knowledge of your progress.

What's included?

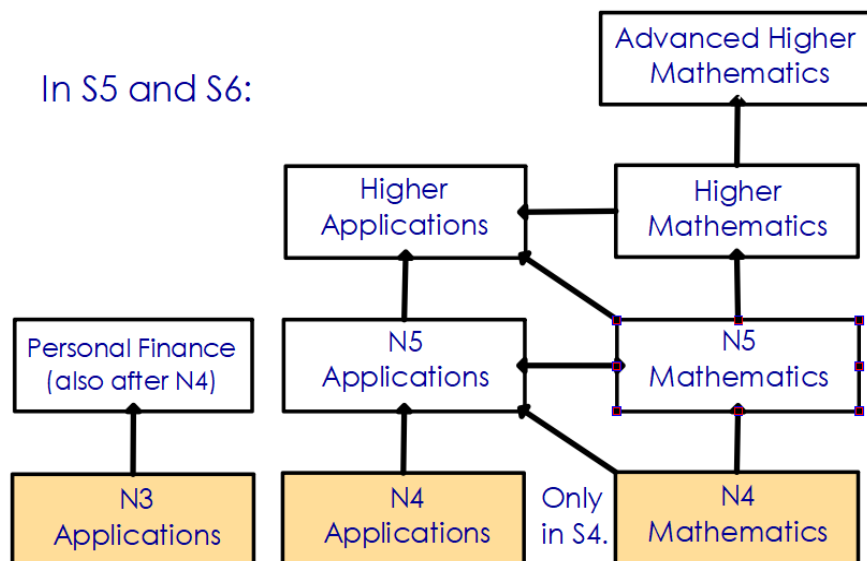
The diagram below shows the content of each course. If a topic is in the central section, it is part of both courses.



What next?

The diagram below shows the progression available within the Mathematics Department in S5/6.

In S5 and S6:



The progression illustrated here will be available for pupils currently in S3.

Applications courses are not yet available for pupils currently in S4.

Careers

The table below shows careers and university courses which require Mathematics and which can be entered with either qualification.

Mathematics or Applications

- Nursing (most courses)
- Teacher training (most courses)
- Construction industry
- Most Apprenticeships
- Social Work (most courses)
- Social Science (most courses)
- Retail
- Sports Science
- Higher Applications

Mathematics Only

- Engineering
- University Science Courses (Biology, Chemistry, Physics)
- Medicine
- Accountancy
- Architecture
- Economics
- Actuary
- Computer Game Design
- Aircrew/Air traffic control
- Veterinary Medicine
- Higher Mathematics