

Further Mathematics

AS Further Mathematics

In the lower sixth in addition to taking the C1, C2 and M1 you will also study FP1 (Further Pure Mathematics 1), D1 (Decision 1) and S1 (Statistics 1).

Your teachers (who may be different to the teachers for the mathematics) will decide how to split the teaching of these modules between them.

After these modules are completed your teachers will be do some of the vectors section from the Core 4 module to enable those who are continuing to A2 to make the best possible progress in the upper sixth when it is time to tackle the vectors section in FP3 which is done early in the year before the Core 4 vectors has been completed by those who are just doing mathematics. When you return from study leave after your AS examinations it is likely that you will complete a substantial part of a section of the FP3 syllabus on Groups.

Later in the year depending on the needs of individuals there will be the opportunity to tackle some work of a more non-standard nature in preparation for university interviews and any examinations beyond A Level that you might need (or wish) to take such as AEA (Advanced Extension Award) or STEP (Sixth Term Entrance Papers).

A Level Further Mathematics

In the upper sixth you will study the FP2 (Further Pure Mathematics 2), FP3 (Further Pure Mathematics 3) and S2 (Statistics 2) modules.

Certification of AS and A Level Further Mathematics

Grading is a little more complicated than for AS and A Level Mathematics

C1 and C2 have to be in AS Mathematics and FP1 has to be in AS Further Mathematics.

The exam board explores all possible ways of allocating the modules and chooses the one which gives the highest grade in AS Mathematics and then the highest grade in AS Further Mathematics. The option which gives the highest grades and which gives the highest UMS score for AS Mathematics is then chosen.

Certification of AS and A Level Further Mathematics

C1, C2, C3 & C4 have to be in A Level Mathematics and FP1, FP2 & FP3 have to be in AS Further Mathematics. Any combination of S1, S2 or M1, M2 or M1, S1 or M1, D1 or S1, D1 can be used for the other two modules in A Level Mathematics. The remainder are used for further mathematics.

In order to obtain an A* grade at A Level Further Mathematics you will need to gain an A grade by scoring 480 or more **and** a total of 270 or more on the best 3 A2 modules contained in Further Mathematics (candidates being FP2, FP3, M2 and S2).

The exam board explores all legitimate possible ways of allocating the modules and chooses the one which gives the highest grade in A Level Mathematics and then the highest grade in AS or A Level Further Mathematics as appropriate. The option which gives the highest grades and which gives the highest UMS score for A Level Mathematics is then chosen.

Examples of possible gradings can be found on the departmental website.

For technical reasons AS Maths and AS Further Mathematics are re-certificated in the upper sixth and so will appear on your statement of results in the upper sixth as well as the lower sixth.

Do talk to Mr Morris if you need further clarification!