

Welcome to the Southam College
Sixth Form



Welcome to A level Further Maths

Why study Further Maths?

If you love Maths, studying Further Maths gives you a chance to explore more sophisticated concepts that will deepen and extend your knowledge and understanding.

It is designed to stretch and challenge able mathematicians and prepare them for university courses in mathematics and related quantitative and scientific subjects.



Why study Further Maths?

Further Maths is highly desirable, if not required, by many top universities for Mathematics, Science and Engineering courses, as well as Computing and Economics.

Almost two thirds of students on maths degrees and over a quarter of students on engineering degrees have got Further Maths in addition to A level maths.



Why study Further Maths?

Our students say...

“In Further Maths you get to learn Maths in an amazing new light”

“Further Maths is great because it shows you that there is so much more to Maths”

“I would highly recommend Maths and Further Maths if you love challenging yourself”

“Studying Further Maths gives you a better understanding of A Level Maths”



Course Content

A Level Further Maths is 50% pure Maths and 50% applied Maths.

Pure Maths includes important mathematical topics like complex numbers and matrices.

The remainder is made up of two options chosen from additional statistics, additional mechanics and decision maths.



Results

2024

A* 25%

A* - A 75%

A* - B 100%

2023

A* 60%

A* - A 80%

A* - B 100%



Entry Requirements

You must have at least a grade 7 at GCSE and a result of at least 85% in the Headstart test to gain entry onto the A level Mathematics course.



Lesson Structure

You will have ten lessons of Further Maths a fortnight, typically divided as follows:

Pure Mathematics lessons: 5 hours a fortnight

Applied Mathematics lessons: 5 hours a fortnight



Assessment

The specification followed does not have a coursework element and is fully assessed by a written examinations:

Qualification	Component	Overview	Assessment
AS level Further Mathematics	Paper 1: Further Pure Mathematics 1	Content aligned to Paper 1 of A level Further Maths, assessed at AS level standard	🕒 1.5 hours ✍️ 75 marks
	Paper 2: Further Mathematics Option	Students take two of the following four options: Further Pure, Further Statistics, Further Mechanics, Decision Maths	🕒 1.5 hours ✍️ 75 marks
A Level Further Mathematics	Paper 1: Further Pure Mathematics 1	AS content assessed at A level standard	🕒 1.5 hours ✍️ 75 marks
	Paper 2: Further Pure Mathematics 2	Remaining pure content which builds on and incorporates AS content	🕒 1.5 hours ✍️ 75 marks
	Paper 3: Further Mathematics Option 1	Students take one of the following four options: Further Pure, Further Statistics, Further Mechanics, Decision Maths	🕒 1.5 hours ✍️ 75 marks
	Paper 4: Further Mathematics Option 2	Students take one of the following four options: Further Pure, Further Statistics, Further Mechanics, Decision Maths	🕒 1.5 hours ✍️ 75 marks

