

# A Level Further Mathematics



**Exam Board:** AQA

**Entry Requirements:** grade 7 or above in Mathematics

## Why study Further Mathematics?

Further Mathematics extends the knowledge explored in A Level Mathematics, but allows choice within the applied content allowing students to choose two of the three areas; mechanics, statistics and decision. Students will specifically look deeper into mathematical arguments and proof, problem solving and mathematical modelling. Studying Further Mathematics at Sixth Form complements other subjects such as science, technology and obviously mathematics itself.

## What does the course involve?

The course extends proofs, reasoning and arguments within the standard Mathematics AS and A Level qualification. This qualification is 100% examination, as described below:

### AS Level

Paper 1	Paper 2
<ul style="list-style-type: none"><li>• Written Examination</li><li>• 1.5 hours</li><li>• 50%</li><li>• Pure</li></ul>	<ul style="list-style-type: none"><li>• Written Examination</li><li>• 1.5 hours</li><li>• 50%</li><li>• Complete <b>2 of 3</b> booklets:<ul style="list-style-type: none"><li>- Statistics and Decision</li></ul><b>OR</b> Mechanics and Decision</li><li><b>OR</b> Mechanics and Statistics</li></ul>

### A Level

Paper 1	Paper 2	Paper 3
<ul style="list-style-type: none"><li>• Written Examination</li><li>• 2 hours</li><li>• 33.3%</li><li>• Pure</li></ul>	<ul style="list-style-type: none"><li>• Written Examination</li><li>• 2 hours</li><li>• 33.3%</li><li>• Pure</li></ul>	<ul style="list-style-type: none"><li>• Written Examination</li><li>• 2 hours</li><li>• 33.3%</li><li>• Complete <b>2 of 3</b> booklets:<ul style="list-style-type: none"><li>- Statistics and Decision</li></ul><b>OR</b> Mechanics and Decision</li><li><b>OR</b> Mechanics and Statistics</li></ul>

## Where will Further Mathematics lead me post Sixth Form?

Like Mathematics, Further Mathematics continues to be a well-respected 'facilitating subject' and it will certainly stand out on a University application. Students who study Further Mathematics at A Level have been found to be better prepared in commencing University courses such as science, technology, engineering and mathematics degrees. Like A Level Mathematics, an A Level in Further Mathematics opens up opportunities in a broad range of careers, from architecture to accountancy to medicine.

For more information, please contact Mrs Shaw: [kayleigh.shaw@sirthomasfremantle.org](mailto:kayleigh.shaw@sirthomasfremantle.org)