



2017 AS level Further Mathematics: Structure/Assessment

Specification	Assessment structure	Compulsory Further Pure topics	Optional components
AQA	2 × 1hr 30mins 1 Pure, 1 Applied	<ul style="list-style-type: none"> ■ Proof ■ Complex numbers ■ Matrices ■ Further algebra and functions ■ Further calculus ■ Further vectors ■ Polar coordinates ■ Hyperbolic functions 	1 examination, students select 2 out of 3 sections from Discrete, Mechanics and Statistics
Edexcel	2 × 1hr 40mins 1 Compulsory Pure, 1 Paper covering 2 options	<ul style="list-style-type: none"> ■ Proof ■ Complex numbers ■ Matrices ■ Further algebra and functions ■ Further calculus ■ Further vectors 	1 Paper covering 2 options from: <ul style="list-style-type: none"> ■ Further Pure 1 and Further Pure 2 ■ Further Pure 1 and Statistics 1 ■ Further Pure 1 and Mechanics 1 ■ Further Pure 1 and Decision 1 ■ Statistics 1 and Mechanics 1 ■ Statistics 1 and Decision 1 ■ Statistics 1 and Statistics 2 ■ Mechanics 1 and Decision 1 ■ Mechanics 1 and Mechanics 2 ■ Decision 1 and Decision 2
OCR A	3 × 1hr 15mins 1 Pure, 2 options	<ul style="list-style-type: none"> ■ Proof ■ Complex numbers ■ Matrices ■ Vectors ■ Algebra 	2 optional units, each with a separate examination, from: <ul style="list-style-type: none"> ■ Statistics ■ Mechanics ■ Discrete Mathematics ■ Additional Pure Mathematics
OCR B(MEI)	3 × 1hr 15mins 1 Pure, 2 options	<ul style="list-style-type: none"> ■ Complex numbers ■ Matrices ■ Proof by induction ■ Sums of standard series ■ Vectors 	2 options, each with a separate examination, from: <ul style="list-style-type: none"> ■ Mechanics a ■ Statistics a ■ Modelling with algorithms ■ Numerical methods ■ Mechanics b ■ Statistics b

These tables are provided for guidance only. For further details please see the full specifications. Links are available on the [A level Mathematics Curriculum](#) page of our website.

2017 A level Further Mathematics: Structure/Assessment

Specification	Assessment structure	Compulsory Further Pure topics	Optional components
AQA	3 × 2hrs 2 Further Pure, 1 Applied	<ul style="list-style-type: none"> ■ Proof ■ Complex numbers ■ Matrices ■ Further algebra & functions ■ Further calculus ■ Further vectors ■ Polar coordinates ■ Hyperbolic functions ■ Differential equations ■ Trigonometry ■ Numerical methods 	1 examination, students select 2 out of 3 sections from Discrete, Mechanics and Statistics
Edexcel	4 × 1hr 30mins 2 Compulsory Pure, 2 Optional	<ul style="list-style-type: none"> ■ Proof ■ Complex numbers ■ Matrices ■ Further algebra & functions ■ Further calculus ■ Further vectors ■ Polar coordinates ■ Hyperbolic functions ■ Differential equations 	2 optional units, each with a separate examination, from: <ul style="list-style-type: none"> ■ Further Pure 1 ■ Further Pure 2 ■ Mechanics 1 ■ Mechanics 2 ■ Statistics 1 ■ Statistics 2 ■ Decision 1 ■ Decision 2
OCR A	4 × 1hr 30mins 2 Pure, 2 Options	<ul style="list-style-type: none"> ■ Proof ■ Complex numbers ■ Matrices ■ Vectors ■ Algebra ■ Series ■ Hyperbolic functions ■ Further calculus ■ Polar coordinates ■ Differential equations 	2 optional units, each with a separate examination, from: <ul style="list-style-type: none"> ■ Statistics ■ Mechanics ■ Discrete Mathematics ■ Additional Pure Mathematics
OCR B(MEI)	<ul style="list-style-type: none"> ■ 2hr 40mins (Further Pure) ■ 2hr 15mins (major) ■ 1hr 15mins (minor)* <p style="margin-left: 20px;"><i>or</i></p> <ul style="list-style-type: none"> ■ 2hr 40mins (Further Pure) ■ 3 × 1hr 15mins (minor)* <p style="margin-left: 20px;">*1 hr 45mins for FPT</p>	<ul style="list-style-type: none"> ■ Complex numbers ■ Matrices ■ Proof by induction ■ Sums of standard series ■ Method of differences ■ Maclaurin series ■ Further vectors ■ Calculus (including polar coordinates) ■ Hyperbolic functions ■ Differential equations 	1 major and 1 minor option or 3 minor options, each with a separate examination, from: <i>Major options:</i> <ul style="list-style-type: none"> ■ Mechanics ■ Statistics <i>Minor options:</i> <ul style="list-style-type: none"> ■ Mechanics ■ Statistics ■ Modelling with algorithms ■ Numerical methods ■ Extra pure ■ Further pure with technology

These tables are provided for guidance only. For further details please see the full specifications. Links are available on the [A level Further Mathematics Curriculum](#) page of our website.