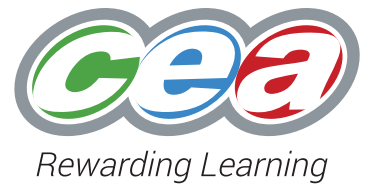


# GCE



## Revised GCE (AS/A2) Mapping **Further Mathematics**

New GCE Further Mathematics  
mapped to legacy GCE

For first teaching from September 2018  
For first award of AS Level in Summer 2019  
For first award of A Level in Summer 2020

## CCEA GCE Further Mathematics [AS/A2]

### New Further Mathematics (first teaching from Sept 2018) mapped to legacy GCE

<b>Unit AS1</b> Further algebra and functions      New Complex numbers                      F1 Matrices                                  F1 Vectors                                    C4 F3	<b>Unit A21</b> Proof                                      F2 Further algebra and functions      F2 Complex numbers                      F2 Further calculus                        F3 Polar coordinates                      New Hyperbolic functions                F3 Differential equations                F2
<b>Unit AS2</b> <b>Section A [Mechanics 1]</b> Hooke's law                              M3 Work and energy                        M2 M3 Power                                      M2 Circular motion                        M2	<b>Unit A22</b> <b>Section A [Mechanics 1]</b> Simple harmonic motion            M3 Damped oscillations                New Centre of mass                        M3 Frameworks                            M4 Further circular motion            M4
<b>Section B [Mechanics 2]</b> M3 Further particle equilibrium        M3 Resultant and relative velocity    M3 Further circular motion            M4 Gravitation                            M4 Dimensions                            M4	<b>Section B [Mechanics 2]</b> Further kinematics                    M2 Further centre of mass               M4 Force system in two dimensions    M4 Restitution                            M4
<b>Section C [Statistics]</b> Sampling                                S2 Probability [perm/comb]            New Statistical distributions              S1 Bivariate distributions               S2	<b>Section C [Statistics]</b> Linear comb. of ind. variables      S2 Sampling and estimation            S2 t-distribution                          S2 $\chi$ squared tests                        New
<b>Section D [Discrete/Continuous]</b> Group theory                            F1 Graph theory                            New Algorithms on graphs                New Recurrence relationships            New Boolean algebra                        New	<b>Section D [Discrete/Continuous]</b> Counting                                New Graph theory                            New Algorithms on graphs                New Generating functions                New Group theory                            F1 New