OCR
Oxford Cambridge and RSA

LEVEL 3 FREE STANDING MATHEMATICS QUALIFICATION

ADDITIONAL MATHEMATICS 6993

BRINGING MATHEMATICS TO LIFE

AT A GLANCE

Our Level 3 FSMQ Additional Mathematics qualification provides your students with every opportunity to engage, explore and enjoy maths.

Developed in consultation with teachers, our specification provides a broad, coherent, satisfying and worthwhile course of study. It has been designed to complement the content of GCSE (9-1) Mathematics to provide an enriched programme of study for those students following the Higher tier GCSE. It provides an introduction to mathematics post-16, including AS/A Level Maths and Further Maths.

Section	Subject content
Algebra	Underpins the qualification, reviewing and extending the skills introduced in GCSE (9-1) Mathematics.
Enumeration	Extends the content on listing outcomes studied in GCSE (9-1) Mathematics to include binomial distributions and permutations and combinations.
Coordinate Geometry	Extends the GCSE (9-1) Mathematics content on graphing equations and inequalities, and solving problems using graphs, including linear programming.
Pythagoras' Theorem and Trigonometry	Extends the GCSE (9-1) Mathematics content to cover trigonometry for any angle from $0° < \theta < 360°$ and introduces identities and trigonometric equations.
Calculus	Introduces the concepts of differentiation and integration, to build upon the concepts of rate of change and the applications of area under a graph introduced in GCSE (9-1) Mathematics.
Numerical Methods	Provides students with alternative strategies for when faced with situations where they do not have analytical techniques to solve problems.
Exponentials and Logarithms	Extends GCSE (9-1) Mathematics knowledge of the laws of indices to solve problems of growth and decay.

ASSESSMENT MODEL

A simple assessment model, comprising a single question paper.

Paper 1 – Written Paper		
2 hours Grades A-E 100 marks	Calculator 	**100%** of total FSMQ

Our OCR Level 3 Free standing Mathematics qualification offers:

- **No tiering** – Grades A-E are awarded based upon performance in the written paper.
- **Clear guidance** is given in the Specification on the level of written response required for full credit, especially with respect to the efficient use of calculators.
- **The first assessment is summer 2019.**

The Assessment Objectives correspond to those in the reformed GCSE and AS/A Level Maths qualifications.

- **AO1** – Use and apply standard techniques.
- **AO2** – Reason, interpret and communicate mathematically.
- **AO3** – Solve problems within mathematics and in other contexts.

Support you can count on

We're committed to supporting teachers as you deliver our mathematics qualifications.

From free teaching and learning resources, sample assessment material, CPD training, Teacher Networks, subject guidance and publisher partnerships, we're here to provide you with support you can count on.

- Download specification and sample assessment material **ocr.org.uk/fsmq**
- Sign up to CPD training and Teacher Networks **ocr.org.uk/fsmqcpd**
- Sign up to our monthly maths newsletter **ocr.org.uk/updates**
- Follow us on Twitter for the latest news **@OCR_Maths**

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