



Teaching Further Mathematics 2 (TFM2)

7th February 2022

Overview

Teaching Further Mathematics 2 (TFM2) is a [sustained professional development course](#) for teachers wishing to develop their own subject knowledge and classroom practice in teaching A level Further Mathematics. It covers the pure material common to all A level Further Mathematics specifications.

TFM2 consists of:

- 10 live online tutorials
- Two compulsory study days
- Textbooks to support your studies
- Access to our online Integral platform, including course-specific teaching and learning resources
- Email support from a tutor and access to an online group forum

Participants will have the option to certificate by submitting an assignment at the end of the course.

TFM2 is the second unit of the TFM course. In order to enrol on the TFM2 unit, participants must have already completed the first unit, [TFM1](#).

Aims

- Gain a deep understanding of A level Further Mathematics.
- Develop confidence and skills to teach A level Further Mathematics, focusing on subject knowledge and effective pedagogy.
- Provide opportunities for mathematical thinking, explore connections, and identify misunderstandings.

Who will benefit from attending?

TFM2 is designed for teachers who are currently teaching A level Further Mathematics or who wish to teach it at some point in the near future.

Please note that participants must have completed [TFM1](#) to be eligible for this course.

Our sustained courses enable teachers to broaden and deepen their subject, pedagogical and pedagogical content knowledge. Teachers, with enhanced subject knowledge, are therefore better equipped to make links between topics, address students' misconceptions and confidently challenge learners at all attainment levels. Our course aims and intended outcomes are consistent with the principles set out in the Education Inspection Framework

Content

The TFM2 unit follows on from the [TFM1](#) unit. Together the two units cover the pure maths content common in A level Further Mathematics specifications.

Materials and Equipment

A computer with a reliable internet connection will be required to attend the online tutorials. In addition, a headset with a microphone is suggested to get the best experience of the online tutorials.

Frequently Asked Questions

How much time will I need to devote to studying?

It is difficult to be specific as this will depend on previous experience. In the past, delegates have reported spending between 1 and 4 hours studying each week. Ideally, delegates should aim to study regularly for a few hours each week however, in reality many working teachers have weeks when this is difficult and they use out-of-term time to catch up.

It is not our usual policy to allow teachers to enrol on more than one sustained course (TAM, PALM, TFM, TM, TS, TD) at the same time. Please contact us at cpd@mei.org.uk before making multiple course applications.

Do I have to hand in any work during the course?

The TFM2 assignment is the only work that delegates hand in. To receive a certificate at the end of your TFM2 course you will need to submit and pass the TFM2 assignment. Certification is optional but we strongly encourage you to submit an assignment anyway to help you consolidate what you have learnt. In the past most teachers have chosen to submit an assignment.

Where do study days take place?

We vary face-to-face study day locations. Recently study day locations have included London, Coventry, Cambridge, Manchester or Leeds.

Eligibility

Participants must have previously completed [TFM1](#).

Cost

This course is free of charge to teachers working in state-funded schools and colleges in England. For others the course fee is £300.

Schools and colleges located within [Priority Areas](#) are eligible to receive a subsidy of £250 per study day.

Study Schedule

Study days

There are two study days for this course and attendance at both is expected. We are offering a choice of virtual or face-to-face instances of these study days, to be selected on application. Lunch and refreshments will be provided at face-to-face days.

Please note that all face-to-face events are subject to government restrictions and may be moved online if required. We therefore advise against making non-cancellable travel arrangements.

Study day 1:

Online

Saturday
19 March 2022

or

Central London

Friday
25 March 2022

or

Central London

Saturday
26 March 2022

Study day 2:

Central London

Friday
8 July 2022

or

Central London

Saturday
9 July 2022

or

Online

Saturday
16 July 2022

Online sessions

Online sessions are conducted live and recordings are available for playback.

Evening online tutorials (19:30-20:45)	Study content
Wednesday 16 February 2022	Polar coordinates
Wednesday 2 March 2022	Further integration
Wednesday 16 March 2022	Matrices 3: Eigenvectors
Wednesday 6 April 2022	3D vector geometry
Wednesday 27 April 2022	First order differential equations
Wednesday 11 May 2022	Second order differential equations
Wednesday 25 May 2022	Applications of differential equations
Wednesday 15 June 2022	Numerical and series solutions to differential equations
Wednesday 29 June 2022	Number theory
Wednesday 20 July 2022	Group theory

Assignment:

Following the online sessions you will work towards completing an assignment. The deadline for this assignment is 31 August 2022.

Key Facts

Event ref:	#9083
Audience:	Teachers
Curriculum focus:	A level Further Mathematics
Mathematical focus:	Pure, Problem solving, Use of technology
Event format:	Sustained Professional Development
Event length:	6 months
Study days:	2
Online sessions:	10
Region:	National
Venue:	Online classroom and study days in London or online
Start date:	Mon 7th Feb 2022
Fee:	Free for state-funded schools; £300 otherwise
Priority Area subsidy:	2 x £250

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/9083>