



Teaching Mechanics 2 (TM2)

10th March 2022

Overview

Teaching Mechanics 2 (TM2) is a [sustained professional development course](#) for teachers wishing to build their confidence in teaching mechanics. TM2 covers the mechanics content from all major specifications for AS/A level Further Mathematics.

TM2 consists of:

- Nine live online tutorials
- Two compulsory study days
- 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

Towards the end of the course a short assignment is issued, for which support and guidance are provided. Course certificates will be available for those participants completing the assignment.

In order to enrol on the TM2 course, participants should have a reasonable understanding of the mechanics content of AS/A level Mathematics, ideally through having completed [TM1](#), though this is not compulsory.

Aims

- Gain a deeper understanding of the principles of mechanics
- Develop skills with mathematical modelling and problem solving
- Develop confidence with incorporating practical work into maths teaching
- Improve subject knowledge and build on pedagogical skills
- Link topics in mechanics with other areas of maths

Who will benefit from attending?

TM2 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.

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

TM2 covers the mechanics content for AS/A level Further Mathematics.

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 TM2 assignment is the only work that delegates hand in. To receive a certificate at the end of your TM2 course you will need to submit and pass the TM2 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 and Coventry.

Eligibility

Participants must have a reasonable understanding of the mechanics content of AS/A level Mathematics, ideally through having completed [TM1](#), though this is not compulsory.

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

Study days are face-to-face events that take place from 10:00 to 16:00, with lunch and refreshments provided. Attendance at both days is expected.

Please note that although it is our intention to run these study days face-to-face, all 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:

Central London

Friday 13 May 2022

or

Central London

Saturday 14 May 2022

Study day 2:

Central London

Friday 24 June 2022

or

Central London

Saturday 25 June 2022

Online sessions

Online sessions take place on Thursday evenings from 19:00 to 20:15. They are conducted live and recordings are available for playback.

Date	Topic
10 Mar 2022	Work, energy and power
17 Mar 2022	Elasticity
31 Mar 2022	Momentum and impulse
28 Apr 2022	Circular motion 1
5 May 2022	Circular motion 2
19 May 2022	Centre of mass 1
9 Jun 2022	Centre of mass 2
23 Jun 2022	Dimensional analysis
7 Jul 2022	Variable force

Assignment:

During the summer you will work towards completing an assignment. The deadline for this assignment is 9 September 2022.

Key Facts

Event ref:	#8812
Audience:	Teachers
Curriculum focus:	A level Further Mathematics
Mathematical focus:	Mechanics
Event format:	Sustained Professional Development
Event length:	6 months
Study days:	2
Online sessions:	9
Region:	National
Venue:	Online classroom and study days in London
Start date:	Thu 10th Mar 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/8812>