



FURTHER  
MATHEMATICS  
SUPPORT  
PROGRAMME

TEACHING  
MECHANICS

## *Teaching Mechanics*

Two six-month long courses focusing on improving subject knowledge, confidence and skills of mechanics teachers.

These courses are ideal preparation for those teaching the mechanics elements of A level Mathematics and Further Mathematics.



*The practical aspect of the course was enlightening; offering lots of ideas to use in my classroom.*



**SUCCEED  
WITH  
PLYMOUTH  
UNIVERSITY**

The **Teaching Mechanics (TM)** course consists of two units, TM1 and TM2. Teachers can enrol on TM1 or TM2 or both units.

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**TM1** covers the compulsory mechanics content for A level Mathematics (from 2017).

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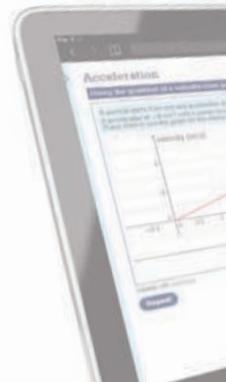
**TM2** covers the further mechanics content studied in A level Further Mathematics.

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Each unit includes:

- regular online sessions covering subject knowledge and approaches to teaching
- two face-to-face study days
- access to Integral online teaching and learning resources (*integralmaths.org*) for three years
- the option to gain Masters level accreditation through Plymouth University

For further details and enrolment form see:  
*furthemaths.org.uk/teaching-mechanics*  
or email: *cpd@mei.org.uk*





*The materials for all aspects of the course were superb.*



### **Benefits to you**

- Confidence to teach mechanics at A level and beyond
- Improved subject knowledge
- A deeper understanding of the underlying principles of mechanics
- Optional accreditation at Masters level

### **Benefits to your students**

- Taught by an enthusiastic and knowledgeable teacher
- More engaging and relevant mathematics lessons
- Misconceptions are recognised and addressed

### **Benefits to your school/college**

- High quality teaching and learning resources disseminated
- Improved capacity of staff to deliver a wide curriculum
- Links with teachers in other schools and colleges





*I feel so much more confident teaching mechanics now. Thank you!*



### The Further Mathematics Support Programme

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### About the FMSP

The Further Mathematics Support Programme (FMSP) is a government-funded initiative, supported by the Department for Education, and managed by Mathematics in Education and Industry, an independent educational charity.

The number of students taking A level Further Mathematics has more than doubled since the programme was established nationally in 2005.

FMSP Area Coordinators, covering the whole of England, work with schools and colleges to support and promote the study of AS/A level Mathematics and Further Mathematics and to arrange Further Mathematics tuition for students when their schools and colleges cannot provide it themselves. The FMSP provides training and support to teachers of AS/A level Mathematics and Further Mathematics.

All English schools and colleges can register free of charge with the FMSP to receive expert advice about supporting students at Key Stage 4, about GCSE, AS/A level Mathematics and Further Mathematics, and about progression to university STEM courses. Registered schools receive free access to extensive online resources and get regular updates about professional development opportunities for teachers and enhancement and enrichment events for KS3, KS4 and sixth form students provided by the FMSP.

### Further details

Please visit the Teachers and Events pages on the FMSP website for details about FMSP Professional Development.

Calendars of events taking place in your region can be found on the relevant page of the Regions section of our website, together with the contact details of your local FMSP Area Coordinator. They can provide details of CPD opportunities available in your area and will be happy to discuss any particular professional development you may need.

[www.furthermaths.org.uk](http://www.furthermaths.org.uk)



Managed by **MEI**  
Innovators in Mathematics Education