



Focus of the Month March 2017

CPD: Extended courses

Our focus for this month is the support the Further Mathematics Support Programme (FMSP) provides for teachers to develop their subject knowledge through extended professional development courses.

Continuing Professional Development with the FMSP

The FMSP provides extensive opportunities for teachers to undertake professional development for teaching and learning at KS4 and A level. The FMSP holds the [NCETM CPD standard](#) and, in all of its courses, believes it is important to:

- promote deeper mathematical thinking
- present maths in an interconnected way
- provide resources that promote mathematical learning
- support teachers in embedding new ideas in their classrooms

Continuing Professional
Development
Standard

National Centre
for Excellence in the
Teaching of Mathematics



Through the FMSP, teachers can access professional development in various ways: by attending a local one day courses organised by the FMSP Area Coordinator, by joining a local network of teachers, by enrolling in online courses or by joining one of the FMSP extended courses. For more details on the range of available CPD opportunities, visit the [CPD pages](#) of our website.

In addition to local CPD events, the FMSP offers teachers the opportunity to embark on extended PD courses broadly designed to:

- extend and deepen teachers' subject knowledge and build confidence
- provide opportunities to do maths and think about connections within it
- reflect on pedagogy and explore teaching ideas and resources

The FMSP currently offers four extended courses:

[Teaching Advanced Mathematics](#) (TAM), [Teaching Further Mathematics](#) (TFM), [Teaching Mechanics](#) (TM), and [Teaching Statistics](#) (TS).

NEW FOR 2017

Successful applicants for TAM, TFM1, TM1 or TS1 who teach in state-funded schools or colleges will be eligible for an FMSP bursary covering their course fees on completion of the course.

Teaching Advanced Mathematics (TAM)

TAM is a year-long course for teachers who want to develop their teaching skills at A level Mathematics. There are two versions open to teachers in state-funded schools and colleges in England which are funded by the DfE and hence eligible for the FMSP subsidy: [TAM](#) and [TAM with Masters](#). All participating teachers must be teaching some A level Mathematics (or other level 3 maths courses) in the year in which they undertake the course.

The next cohort of TAM begins in July 2017 and will shortly be open for applications. If you are interested in joining the course please fill in the [expression of interest form](#) on the website

Teaching Further Mathematics (TFM)

[TFM](#) is a 14 month course consisting of two units. Each unit has two face-to-face study days with additional live online tutorials and support from course tutors. TFM1 and TFM2 together cover the pure content of A level Further Mathematics.

Optional Masters accreditation is available through Plymouth University.

The next cohort of TFM begins in July 2017 and will be open for applications shortly. If you are interested in joining the course please fill in the [expression of interest form](#) on the website.

Teaching Mechanics 1 (TM1)

[TM1](#) is a six month course which has been designed to cover the mechanics content of the new 2017 Mathematics A level. The course is suitable for those with little or no mechanics background but may also be useful for teachers who have previously taught some mechanics but wish to become more familiar with the new content and modelling requirements of the A level. The course has two face-to-face study days with additional live online tutorials and support from course tutors.

Optional Masters accreditation is available through Plymouth University.

The next cohort of TM1 begins in September 2017 and will be open for applications shortly. If you are interested in joining the course please fill in the [expression of interest form](#) on the website.

Teaching Statistics 1 (TS1)

TS1 is a six month course which has been designed to cover the statistics content of the new 2017 Mathematics A level. The course is suitable for teachers who may have previously taught some statistics but wish to become more familiar with the new content and requirements of the A level, such as large data sets and use of technology. The course has two face-to-face study days with additional live online tutorials and support from course tutors.

Optional Masters accreditation is available through Plymouth University.

The next cohort of TS1 begins in July 2017 and will be open for applications shortly. If you are interested in joining the course please fill in the [expression of interest form](#) on the website.

We are currently awaiting accreditation of the Further Mathematics specifications. Once these have been released we will give details of the extended courses for the applied mathematics content (mechanics, statistics and discrete) within the new Further Mathematics A level.

Live, Online Professional Development (LOPD)

The FMSP LOPD programme is an exciting and innovative way to access extended professional development. Rather than attending a one day course away from school or college, the LOPD courses last 5 to 10 weeks and offer weekly tutorials with an experienced tutor. They are delivered to small groups of teachers using a web-based platform that allows opportunities for interaction and discussion. Courses are scheduled after the school day.