

## The Further Mathematics Support Programme

# Preparing to teach mechanics

**A one day course for teachers preparing to teach the mechanics content of the new A level mathematics from September 2017**

**University of Birmingham,  
Room R17, Watson Building.**

**Tuesday 4<sup>th</sup> April 2017  
9:30am - 4:30pm**



“Secure subject knowledge on the part of the teacher, underpinning an approach to mathematics in which all topics are seen as part of a coherent set of related ideas, with clear progression and links to previous and future learning.”

A key finding: one of the most significant contributions to high achievement in 14–19 mathematics  
Ofsted: Evaluating mathematics provision for 14–19-year-olds

**This course is suitable for teachers who have little or no experience of teaching mechanics, and also teachers who have taught the content in the current modular A level but would like to learn more about the content in the new linear A level.**

**The topics covered on this course feature in the compulsory content of the reformed mathematics A level for first teaching in September 2017.**

### Course aims

- To familiarise teachers with the concepts found in the mechanics component of A level,
- to demonstrate teaching ideas and resources which deepen students' understanding of these concepts,
- to strengthen teachers' understanding of the content required in the new A level mathematics specifications (from 2017), and
- if available examine some of the sample materials accredited by Ofqual.

## **Timetable for the day**

- 0900 Registration
- 0930 Introduction
- 0945 Kinematics
- 1115 Forces
- 1230 Lunch
- 1315 Developing these ideas further at A level
- 1430 Break
- 1515 Plenary discussion

## **Course fees and application:**

Fees for this course are £50 per teacher if your school is registered with the FMSP (£100 otherwise). If two teachers from the same school are attending then please each fill in a separate form. To apply, please complete the online form at:

<http://shop.bham.ac.uk/conferences-and-events/college-of-engineering-physical-sciences/school-of-mathematics/fmsp-preparing-to-teach-mechanics>

Please note that registration is open now and closes on 27 March.

## **Further information**

Details about this course/event can also be found on the FMSP website at:

[http://www.furthermaths.org.uk/WM\\_CPD](http://www.furthermaths.org.uk/WM_CPD)

For more information email:

[M.Quigley.1@bham.ac.uk](mailto:M.Quigley.1@bham.ac.uk)