

The Further Mathematics Support Programme

## **KS4 Extension and Enrichment: Two one-day courses**

**Professional Development for teachers of KS4 mathematics**



### **Each course is free and includes:**

One day collaborating with mathematics experts and other teachers on addressing the challenges of effectively meeting the new requirements.

Access to new teaching resources and to an online community.

## **Functions and Graphs in the New GCSE**

**A one-day course focusing on teaching functions and graphs for the new Higher Tier GCSE, enabling mathematics teachers both to challenge KS4 students and to develop student understanding.**

### **Course aims:**

- Consider ways of developing a deep understanding of functions and graphs in the new Higher Tier GCSE
- Become familiar with a range of free resources and develop strategies to teach this content.
- Consider how best to prepare pupils for the new Higher Tier GCSE questions related to functions and graphs.
- A brief look at how these topics develop at A level

# Developing Reasoning and Proof at GCSE

**A one-day course focusing on teaching proof for the new Higher Tier GCSE, enabling mathematics teachers both to challenge KS4 students and to develop student understanding.**

## Course aims:

- Consider the development of reasoning, justification and proof, focusing on Higher Tier GCSE content, but also looking at the wider locus of development.
- Familiarise teachers with a range of free resources and develop strategies to teach this content.
- Consider how best to prepare pupils for the new Higher Tier GCSE questions related to reasoning, justification and proof.
- A brief look at how these topics develop at A level.

## Locations in the East Midlands

Course	Town or City	Date
Functions and Graphs	Lincoln/Nottingham	t.b.c.
Reasoning and Proof	Loughborough	23 <sup>rd</sup> June 2017

## Fees

Courses are offered free of charge to teachers in state-funded schools, colleges and academies.

## Application

Apply online at: <http://bit.ly/2pTKFVZ>

## Further information

For more information about the courses, venues and dates please see the FMSP GCSE Higher [webpage](#) or for other enquiries please email: [cpd@mei.org.uk](mailto:cpd@mei.org.uk)