

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

18 courses are offered across the country and all are in late June or early July, after the standard GCSE Mathematics examination dates.

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