

## The Further Mathematics Support Programme

# KS4 Extension and Enrichment: Problem Solving, Reasoning & Proof

### Professional Development for teachers of KS4 mathematics

#### Course aims:

- To consider the development of reasoning and proof, focusing on Higher Tier GCSE content
- To provide teachers with strategies to address the problem solving requirements at GCSE.
- To familiarise teachers with a range of free resources aimed at these aspects of GCSE
- To consider how best to prepare pupils for the new Higher Tier GCSE questions related to problem solving, reasoning and proof.



**Date:** Friday 31<sup>st</sup> March 2017

**Time:** 9.15am to 3.15pm

**Venue:** Cathedral Academy, Wakefield

(tea/coffee from 9.00am)

This one-day course developed by the FMSP, follows on from the previous one day course on teaching the new Higher tier content held in January. This course focuses on teaching the generic skills of problem solving, reasoning and proof that are a major part of the new GCSE. Participants will work on addressing the challenges of preparing students to tackle GCSE questions that require these skills. They will receive access to teaching resources that help develop them. The course has previously run at many venues across the country

**Fees:** This course is provided via DfE funding, and support from the White Rose Maths Hub, so it can be offered free of charge to teachers in state-funded schools, colleges and academies. Schools may send two teachers.

If you would like to book a place on this course please e-mail the completed booking form to Sheila Eastwood: [sheilaeastwood@furthermaths.org.uk](mailto:sheilaeastwood@furthermaths.org.uk) by Friday 24<sup>th</sup> March 2017

## Problem Solving, Reasoning & Proof Course

Friday 31<sup>st</sup> March 2017

Cathedral Academy, Thornes Rd, Wakefield WF2 8QF

### Booking Form

Name: .....

Email address: .....

School: .....

Address: .....

Phone number: .....

Any special dietary requirements? .....

Booking authorised by: .....

Position: .....

Is your FMSP registration up to date? .....

FMSP registration is free and ensures that you are kept up to date with our CPD courses and enrichment events as well as allowing you access to online teaching resources. Click here to register: [www.furthermaths.org.uk/register](http://www.furthermaths.org.uk/register)

This course is offered free of charge to teachers in state-funded schools, colleges and academies, that are registered with FMSP. However, if you book a place and do not attend, we reserve the right to charge our normal course fee of £50, if you have not cancelled before the booking deadline.

Return this booking form by email to: [sheilaeastwood@furthermaths.org.uk](mailto:sheilaeastwood@furthermaths.org.uk)

Closing date for bookings: **24<sup>th</sup> March 2017**