

The Further Mathematics Support Programme

Reasoning, Extending and Problem Solving with 11-16 students

Professional development for secondary school Mathematics teachers

Starting Autumn term 2017



This free course includes:

- Three separate course days
- Access to teaching resources for and activities
- Funding to enable teachers to attend
- Access to an online community

Feedback from previous courses

“Very engaging and ‘hands-on’ in nature”
(*Southend*)

“This was the best CPD I have ever had”
(*Newcastle*)

A new three-day course focusing on reasoning, extension and problem solving materials enabling mathematics teachers to stretch and challenge mathematics students.

Course aims

Tailored to the secondary curriculum, this course aims to:

- Share ideas and strategies for developing reasoning, extending students’ knowledge and supporting problem solving skills
- Provide support in developing the professional practice of the teachers attending
- Prepare participating teachers for working with colleagues

Venue	Day 1	Day 2	Day 3
<i>Blackpool</i>	<i>23rd November 2017</i>	<i>31st January 2018</i>	<i>8th May 2018</i>
<i>London</i>	<i>15th January 2018</i>	<i>15th March 2018</i>	<i>4th May 2018</i>
<i>Keele</i>	<i>1st November 2017</i>	<i>16th February 2018</i>	<i>9th July 2018</i>
<i>Norwich</i>	<i>30th October 2017</i>	<i>2nd February 2018</i>	<i>3rd July 2018</i>

Draft Timetable

(Please note that the timings of sessions are subject to change)

09:30 Arrival
10:00 Welcome to the course
10:30 What is a Problem?
11:30 Break
11:45 Reasoning or Problem Solving?
12:30 Lunch
13:15 Using 9-pin boards
14:45 Break
15:00 Preparing for Gap task 1
15:30 Next Steps
15:45 Close

Funding

This free course is offered to those teaching Mathematics to students in state-funded secondary schools, colleges and academies.

Participants' schools can claim £360 per teacher to enable attendance.

A maximum of two teachers per school may attend, and both will be eligible for funding.

[Apply online](#)

Further information

More details about these courses can be found at:

<http://www.furthermaths.org.uk/ks4eande>