

Live Online Professional Development in Mathematics

*A range of courses to enable teachers to teach A level Mathematics,
A level Further Mathematics and Diploma Mathematics with confidence.*

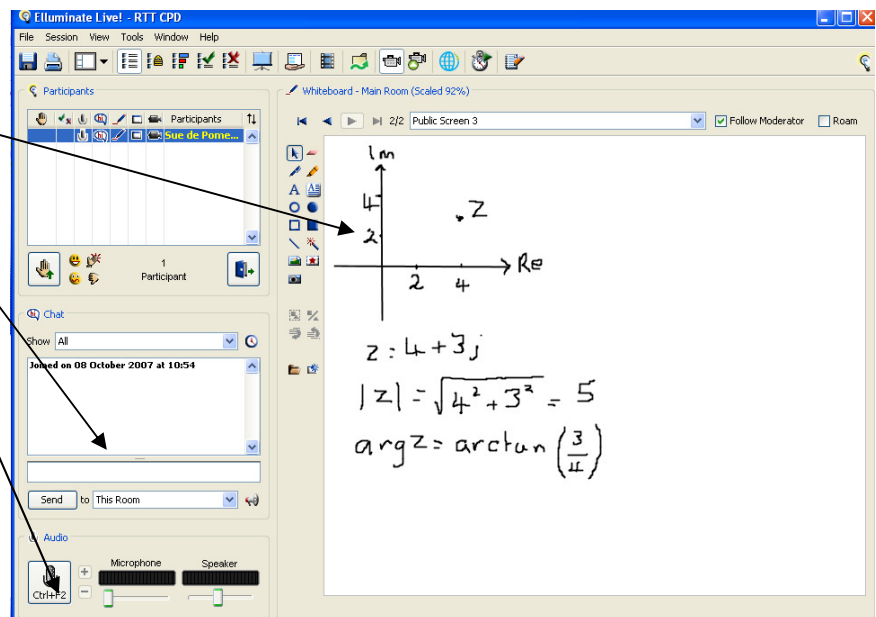
A modern approach to professional development; rather than attending a one or two day course, delegates meet weekly for live, interactive online sessions with a tutor and a small group of teachers.

These courses focus on developing subject knowledge and discussing approaches to teaching.

How does the live online tutoring work?

We use a web-based facility which is easy to use and allows a tutor and delegates to communicate live online using audio, handwriting on a shared virtual whiteboard and instant messaging via the internet.

- Shared whiteboard
- Instant messaging
- Audio conferencing
- Application sharing



This equipment is readily available to purchase on the high street or from online retailers for about £40

What you need to participate

- A broadband internet connection
- A recent version of Java (free to download)
- A headset for communication
- A graphics tablet and pen

Spring 2012 – Decision Maths 2 for AQA, Edexcel and OCR

Cost £175

Deadline for applications: Friday 27th January 2012

Course Structure:

The four main exam specifications cover several different topics. This course incorporates topics covered in three exam specifications; AQA, Edexcel and OCR (there is another separate online course for D2 MEI only). Participants are welcome to attend all sessions if they wish, but may choose to attend only the sessions that are relevant to their school's exam specification.

DATE	TIME	TOPIC	Exam specification		
Wed 8 th Feb	1630 - 1730	Introduction to the online classroom and the Integral web resources	Relevant to all delegates		
Dates and topics for online session content for D2 Please note this schedule is provisional and may be subject to minor change			AQA	Edexcel	OCR
Wed 29 th Feb	1630 - 1800	Allocation: The Hungarian Algorithm	D2	D2	D2
Wed 7 th Mar	1630 - 1800	Network Flows	D2	D2	D2
Wed 14 th Mar	1630 - 1800	Dynamic Programming	D2	D2	D2
Wed 21 st Mar	1630 - 1800	Linear programming: Simplex tableau	D2	D2	D1
Wed 28 th Mar	1630 - 1800	Transportation Problems		D2	
Wed 25 th Apr	1630 - 1800	Critical Path Analysis	D2 (on node)	D1	D2 (on arc)
Wed 2 nd May	1630 - 1800	Travelling Salesperson	D1	D2	D1
Wed 9 th May	1630 - 1800	Game Theory	D2	D2	D2
Wed 23 rd May	1630 - 1800	<i>Optional Resource sharing session: This is an opportunity to share resources and ideas in preparation for teaching topics from the course.</i>			

All participants will receive

- Access to online resources for the module being studied covering all exam specifications
- Access to an online forum which is for all teachers taking LOPD courses; this can be used to access ongoing support from other course delegates and LOPD tutors.
- Email support from a course tutor
- Certificate of attendance

For further information and an application form visit:

http://www.furthermaths.org.uk/teacher_area/rpd.php

Enquiries: LOPD@furthermaths.org.uk