

Live Online Professional Development in Mathematics

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

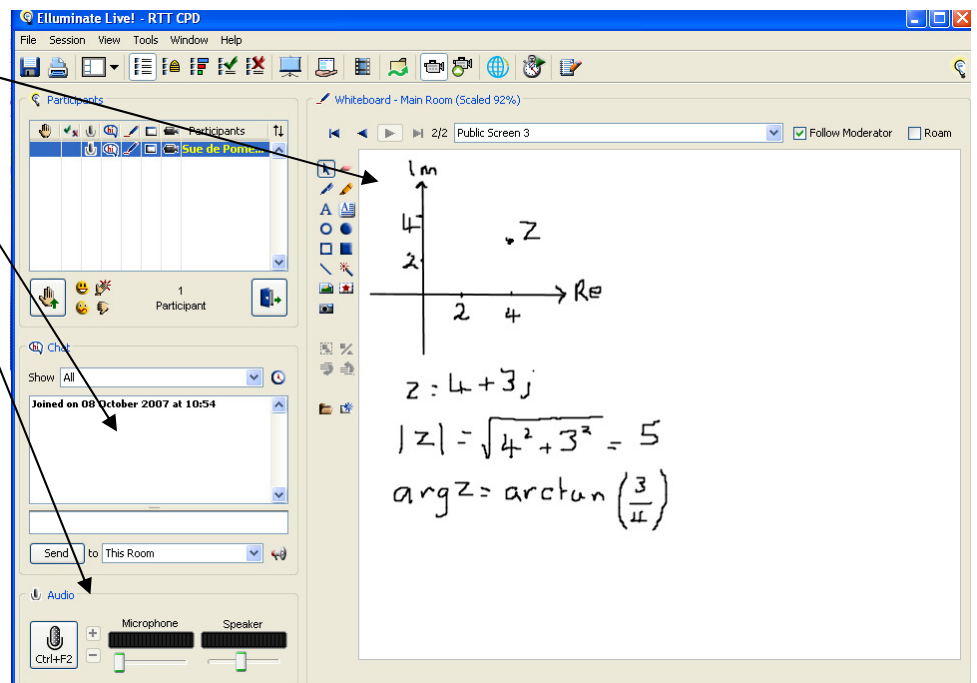
A modern approach to professional development; rather than attending a one or two day course, delegates meet weekly for live, interactive online sessions with a tutor and a small group of teachers.

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 – Further Pure Mathematics 1

Cost £175

Applications preferably before: **Friday 27th January 2012**

Course Structure

The course will consist of

- An introductory session to ensure that participants are familiar with the functionality of the online classroom and the Integral online resources
- Nine 60 – 90 minute live online sessions led by a tutor
- An optional session to share resources

DATE	TIME	TOPIC
Thur 9 th Feb	16.30 - 17.30	Introduction to the online classroom and the Integral online resources
Thur 1 st Mar	16.30 – 18.00	1. Complex numbers 1
Thur 8 th Mar	16.30 – 18.00	2. Complex numbers 2
Thur 15 th Mar	16.30 – 18.00	3. Matrices 1
Thur 22 nd Mar	16.30 – 18.00	4. Matrices 2
Thur 29 th Mar	16.30 – 18.00	5. Graphs and Inequalities
Thur 26 th Apr	16.30 – 18.00	6. Roots of equations
Thur 3 rd May	16.30 – 18.00	7. Proof by induction
Thur 17 th May	16.30 – 18.00	8. Summing series
Thur 24 th May	16.30 – 18.00	9. Numerical methods
Thur 14 th Jun	16.30 – 18.00	<i>Optional Resource sharing session: This is an opportunity to share resources and ideas in preparation for teaching topics from the course.</i>

Please note this schedule is provisional and may be subject to minor changes

All participants will receive

- Access to online resources for the modules being studied covering all exam specifications
- Access 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 forms visit:

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

Enquiries: LOPD@furthermaths.org.uk