

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.

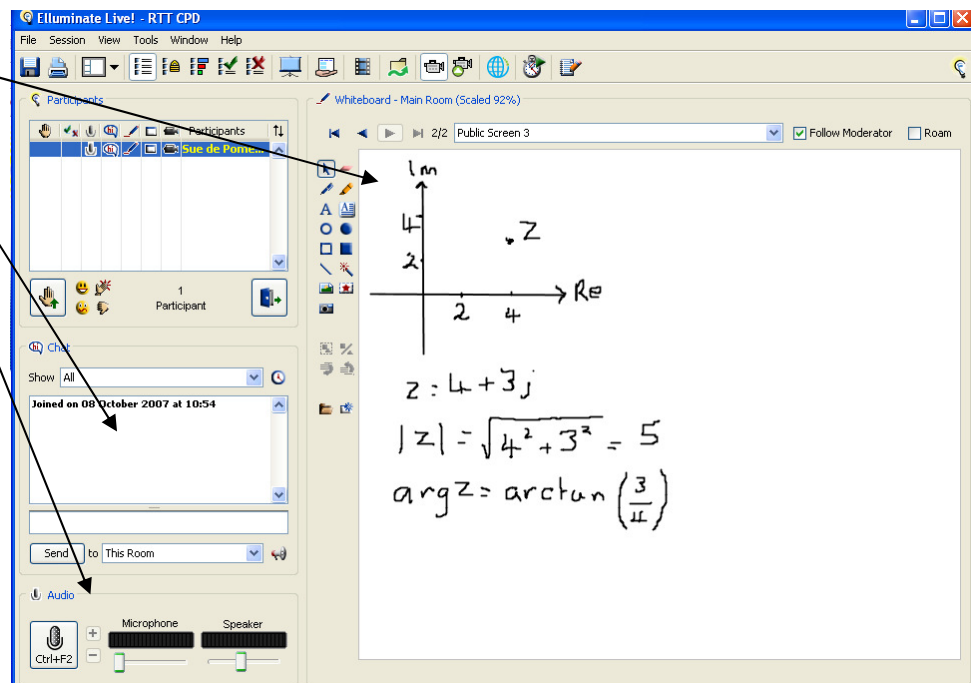
A modern approach to professional development; rather than attending a one or two day course, delegates meet weekly for live, interactive online sessions with a tutor and a small group of teachers.

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: Decision 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.
- Six 60 – 90 minute live online sessions led by a tutor
- An optional session to share resources

DATE	TIME	TOPIC
Tue 7 th Feb	16.30 - 17.30	Introduction to the online classroom and the Integral online resources
Tue 28 th Feb	16.30 – 18.00	1. Graph Theory Matchings
Tue 6 th Mar	16.30 – 18.00	2. Networks: minimum spanning tree Networks: shortest path
Tue 13 th Mar	16.30 – 18.00	3. Networks: Route Inspection, Networks: Travelling Sales Person
Tue 20 th Mar	16.30 – 18.00	4. Graphical linear programming Introduction to the simplex tableau
Tue 27 th Mar	16.30 – 18.00	5. Critical Path Analysis
Tue 24 th Apr	16.30 – 18.00	6. Algorithms and simulation
Tue 1 st May	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 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