

# 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.*

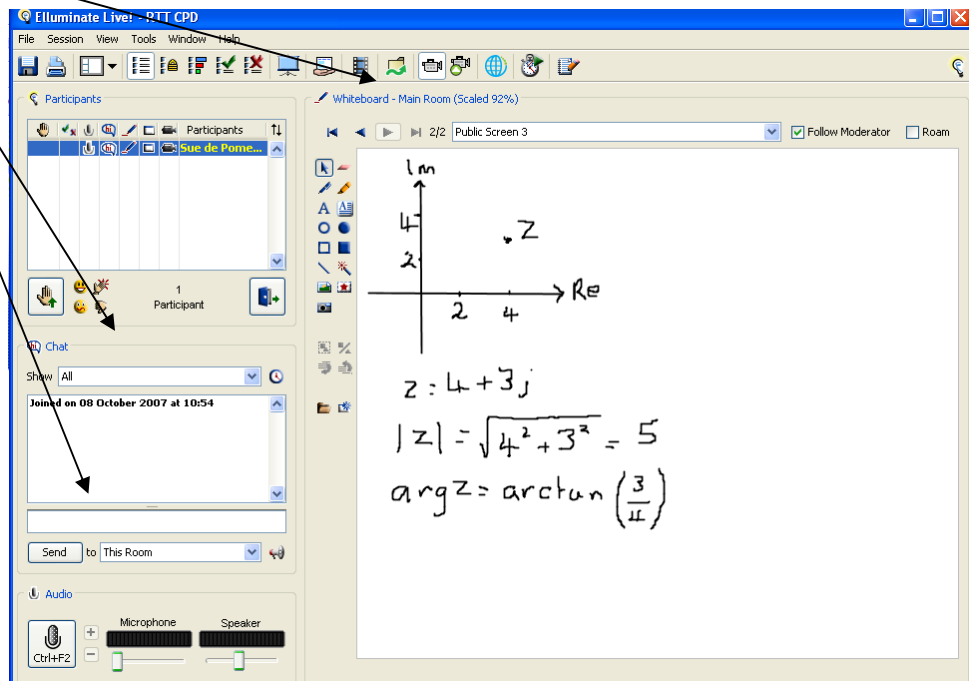
A modern approach to professional development; rather than attending a one or two day course, delegates meet weekly for live, interactive online sessions with a tutor and a small group of teachers.

The online sessions aim to cover subject content common to all current specifications and to facilitate the exchange of teaching ideas. These courses are ideal for teachers who have never taught the mathematical content of a course before or for teachers who simply wish to refresh their subject knowledge.

## How does the live online tutoring work?

Currently we use a web-based facility which 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

## Each course content covers topics from the AQA, MEI, OCR, and Edexcel specifications

### Course Structure

- An introductory session to ensure participants are familiar with the functionality of the online facility
- Taught interactive sessions
- Optional session for sharing resources (longer courses only)

### All participants will receive

- Approximately five hours (short course) or ten hours (long course) online contact time with other delegates and the course tutor
- Access to the MEI online resources for the module / topic being studied
- Email support from a course tutor

### Some of the courses scheduled for 2010/2011:

**AS Core Mathematics**

**A2 Core Mathematics**

**Further Pure Mathematics 1**

**Mechanics 1**

**Mechanics 2**

**Statistics 1**

**Statistics 2**

**Decision Mathematics 1**

**Decision Mathematics 2**

**Topics from FP2 & 3:**

*Power series, Polar Coordinates, Complex numbers, Hyperbolic Functions & Calculus*

**Topics from FP2, 3 & 4:**

*Matrices, Differential Equations, Vectors, Group Theory.*

**Mathematics for the L3 Engineering Diploma**

**Each course costs £175  
Approximately 10 hours online**

**Using ICT in the Post 16 Mathematics Classroom - £85 (5 hours online)**

*If you are interested in the LOPD programme, please contact Sharon Tripcone*

[sharontripcone@furthermaths.org.uk](mailto:sharontripcone@furthermaths.org.uk)

**For further information including dates of specific LOPD courses please check the CPD and Teacher support website pages which can be found by visiting:**

[www.furthermaths.org.uk](http://www.furthermaths.org.uk)