

# 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.*

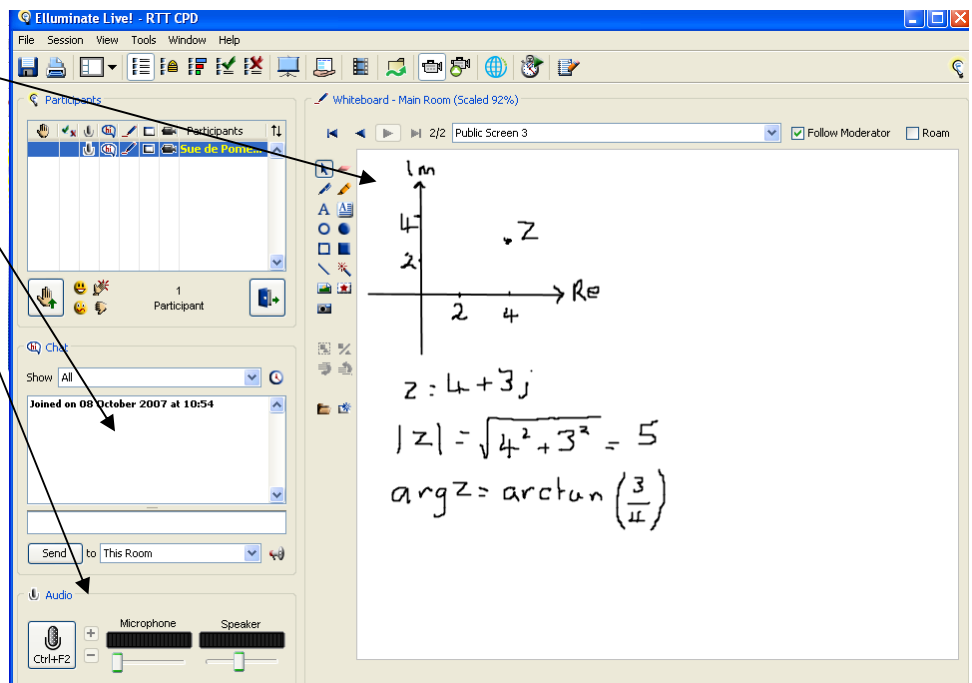
A modern approach to professional development; rather than attending a one or two day course, delegates meet weekly for live, interactive online sessions with a tutor and a small group of teachers.

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 2010: Mechanics 2

Cost £150

Deadline for applications: **Friday 16<sup>th</sup> April 2010**

## Course Structure

The course will consist of

- An introductory session; ensuring participants are familiar with the functionality of the online facility and the online Teaching and Learning resources produced by MEI
- Seven 60 – 90 minute live online sessions led by a tutor
- An optional resource sharing session for certification

DATE	TIME	TOPIC
Wednesday 21st April	16.30 - 17.30	Introduction.
Wednesday 5th May	16.30 – 18.00	1. Projectiles
Wednesday 12th May	16.30 – 18.00	2. General motion (differentiation & integration)
Wednesday 19th May	16.30 – 18.00	3. A model for Friction and Equilibrium of a Rigid Body
Wednesday 26th May	16.30 – 18.00	4. Centre of Mass
Wednesday 9th June	16.30 – 18.00	5. Energy, Work & Power
Wednesday 16th June	16.30 – 18.00	6. Collisions
Wednesday 23rd June	16.30 – 18.00	7. Circular Motion
Wednesday 30th June	16.30 – 18.30	Resource sharing (optional)

### All participants will receive

- Online access to Teaching and Learning resources for the module being studied
- A course handbook
- Email support from a course tutor

### For Optional Certification

If participants wish to receive a certificate at the end of the course they will be required to create and submit a resource that can be used for teaching a topic from the module. There is also an opportunity at the end of the course to take part in an online session to share and present the resource with other course participants.

**Further information and an application form visit:**

**[http://www.furthermaths.org.uk/teacher\\_area/rpd.php](http://www.furthermaths.org.uk/teacher_area/rpd.php)**

**Enquiries: [sharontripconey@furthermaths.org.uk](mailto:sharontripconey@furthermaths.org.uk)**

The Further Mathematics support programme is managed by



and funded by



department for  
children, schools and families