

# 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.*

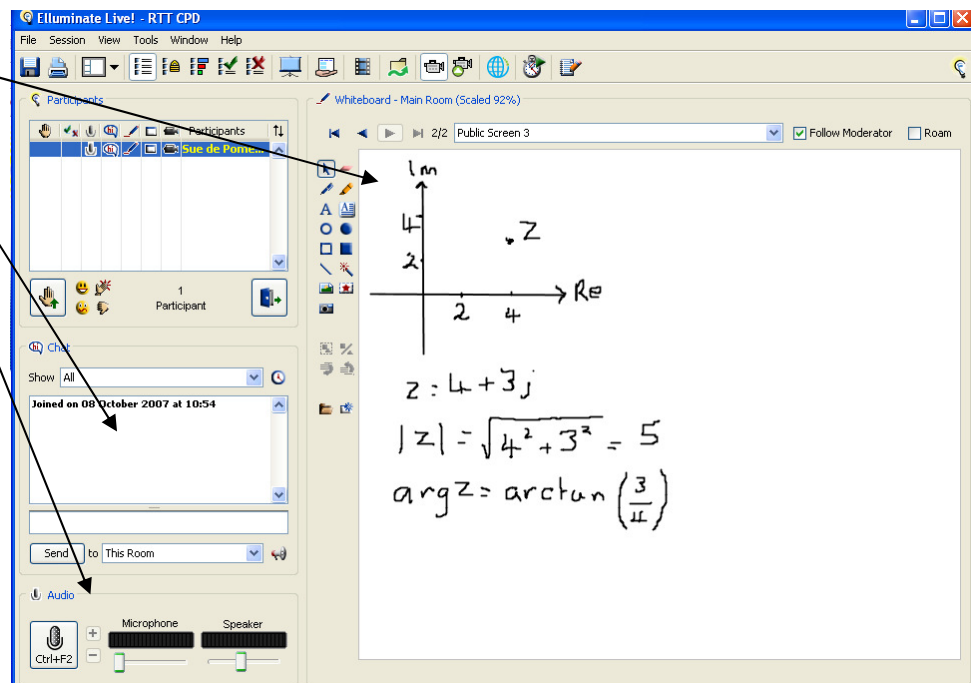
A modern approach to professional development; rather than attending a one or two day course, delegates meet weekly for live, interactive online sessions with a tutor and a small group of teachers.

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: Mechanics 2

**Cost £175**

Applications preferably before **Friday 27<sup>th</sup> January 2012**

## **Course Structure**

The course will consist of

- An introductory session; ensuring participants are familiar with the functionality of the online classroom and the Integral online teaching and learning resources
- Seven 60 – 90 minute live online sessions led by a tutor
- An optional resource sharing session

DATE	TIME	TOPIC
Mon 6 <sup>th</sup> Feb	16.30 - 17.30	Introduction to the online classroom and the Integral online resources
Mon 27 <sup>th</sup> Feb	16.30 – 18.00	1. Projectiles
Mon 5 <sup>th</sup> Mar	16.30 – 18.00	2. General motion (differentiation & integration)
Mon 12 <sup>th</sup> Mar	16.30 – 18.00	3. A model for Friction and Equilibrium of a Rigid Body
Mon 19 <sup>th</sup> Mar	16.30 – 18.00	4. Centre of Mass
Mon 26 <sup>th</sup> Mar	16.30 – 18.00	5. Energy, Work & Power
Mon 23 <sup>rd</sup> Apr	16.30 – 18.00	6. Collisions
Mon 30 <sup>th</sup> Apr	16.30 – 18.00	7. Circular Motion
Mon 14 <sup>th</sup> May	16.30 – 18.30	Resource sharing (optional)

**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](http://www.furthermaths.org.uk/teacher_area/rpd.php)**

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