



Live, On-line Professional Development in Mathematics

Further Pure Mathematics 1

Information for applicants

A modern approach to professional development. These courses will focus on subject knowledge and will cover common ground from **all current specifications**. Rather than attending a one or two day course away from school/college, delegates will use the software **Elluminate** to meet weekly on-line for ten one hour sessions with a tutor and a small group of teachers.

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

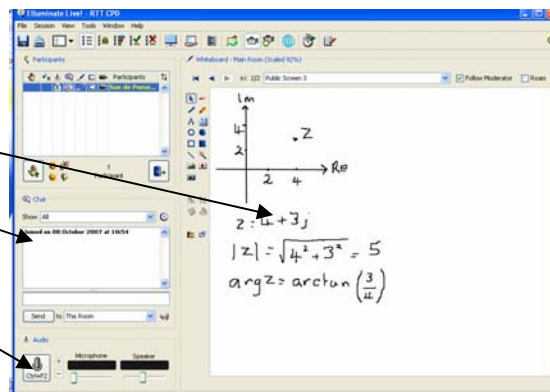
What is Elluminate?

Elluminate allows a tutor and delegates to communicate live on-line using audio, handwriting on a shared virtual whiteboard and instant messaging via the internet.

Elluminate is a well established web-based package which is easy to use and has features that make it ideal for live mathematics tutoring.

These features include:

- Shared whiteboard
- Instant messaging
- Audio conferencing
- Application sharing
- A graphical calculator



All participants need

- a broadband internet connection
- a recent version of Java installed on their computer.
- A graphics tablet and headset



All participants will receive

- Roughly ten hours of Elluminate tutorials
- A course handbook
- Online resources access for the module being studied.
- 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 submit a resource that can be used for teaching a topic from the module.



April 2009 – Further Pure Mathematics 1

Cost £140

$$\sum_{r=1}^n r^3 = \left(\sum_{r=1}^n r \right)^2$$

Deadline for applications: **Monday 20th April 2009:**

Tutors: Dick Russell, Sharon Tripcone

Course Structure

The course will consist of

- One session giving an introduction to Elluminate and the on-line resources
- Nine 60 – 90 minute sessions
- An optional resource sharing session for certification

Dates

DATE	TIME	TOPIC	Tutor
Thursday 23 rd April	1630 – 1730	Introduction to Elluminate session	Dick Russell
Thursday 30 th April	16.30 – 18.00	Complex numbers 1	Dick Russell
Thursday 7 th May	16.30 - 1800	Graphs and Inequalities	Sharon Tripcone
Thursday 14 th May	16.30 – 18.00	Complex numbers 2	Dick Russell
Thursday 21 th May	16.30 – 18.00	Matrices 1	Sharon Tripcone
Thursday 4 th June	16.30 – 18.00	Matrices 2	Sharon Tripcone
Thursday 18 th June	16.30 – 18.00	Roots of equations	Sharon Tripcone
Thursday 25 th June	16.30 – 18.00	proof by induction	Sharon Tripcone
Thursday 2 nd July	16.30 – 18.00	Summation of series	Sharon Tripcone
Thursday 9 th July	16.30 – 18.00	Numerical methods	Dick Russell
Thursday 16 th July	16.30 – 18.30	Resource sharing	Dick Russell

If you have any further queries please contact Sue de Pomerai (suedepomerai@fmnetwork.org.uk) or Sharon Tripcone (sharontripcone@fmnetwork.org.uk)

Please send application forms to Valerie Algar (valeriealgar@fmnetwork.org.uk)