



the Further Mathematics network



On-line, Live and Interactive Professional Development in Mathematics Group Theory 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 on-line for with a tutor and a small group of teachers on a weekly basis.

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

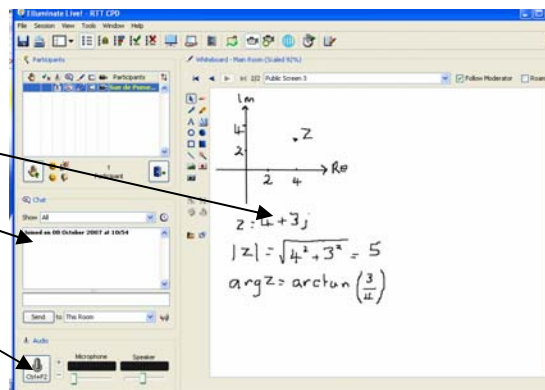
What is Elluminate?

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 five 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.

The Further Mathematics Network is managed by



and funded by

department for children, schools and families

April 2009 – Group Theory for A2 Further Mathematics

Cost £70

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

Tutors: Sue de Pomerai, Dick Russell

Course Structure

The course will consist of

- Introduction to Elluminate and the on-line resources
- Four 60 - 90 minute sessions

Key Dates

DATE	TIME	TOPIC	TUTOR
Wednesday 22 nd April	16.30 - 1700	Introduction to Elluminate	
	1700 - 18.00	Sets and operations. Cayley tables Modular arithmetic Symmetry Group axioms	Sue de Pomerai
Wednesday 29 th April	16.30 – 18.00	Properties of groups Isomorphism Cyclic groups	Sue de Pomerai
Wednesday 6 th May	16.30 – 18.00	Subgroups Lagrange's Theorem	Sue de Pomerai
Wednesday 13 th May	16.30 – 18.00	Applications of group theory Problem solving	Dick Russell

If you have any further queries please contact Sue de Pomerai (sue.depomerai@mei.org.uk)

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