

Putting AUTOGRAPH to Work at KS3-KS4

MA12

Tutor: *Douglas Butler*

Course price: £195 + VAT

Date: *Wednesday 16th June 2010*

Venue: *London*

Delegates will receive a copy of the TSM Resources CD and detailed notes of the course

This course is for 11-16 teachers who are lucky enough to have a web-connected computer and projector ready for instant use in their classroom, but cannot find a way through the haze of web-based resources and dynamic software titles now available. Douglas makes a point of highlighting the more effective resources, and is the leading exponent on Autograph. Delegates will leave with a copy of the much heralded TSM Resources CD and a list of new ideas that can be tried out immediately in the classroom.

Delegates will be expected to bring a PC laptop (power sockets will be available), preloaded with the latest version of Autograph (a download link providing a free licence to teachers attending the course will be available in advance if required).

9.45am: *Registration and Coffee*

10.00am: **Introduction**

A review of ICT (software and hardware) for the modern mathematics classroom
Teaching with a graphics tablet
A tour of the TSM Resources CD and Web site.

11.15am: *Morning coffee*

11.30am: **Using Dynamic Objects in Autograph**

Teaching transformation geometry using dynamic, selectable objects
5 lesson ideas for the parabola
Artful use of the scribble tool and slow plot.

12.45pm: *Lunch*

1.45pm: **Doing useful things with data in Excel and Autograph**

Bivariate data, and lines of best fit
Creating diagrams and tables from data in a single variable.

2.45pm: **Pulling it all together into a lesson plan**

Pasting screenshots and tables from Autograph and web images into Word.
Using the Autograph on-screen keyboard to create handsome mathematics.

3.45pm: *Day ends*

Each session will involve practical activities where delegates will have the opportunity to work on tasks with the software.