

Putting AUTOGRAPH to Work for AS/A2 Mathematics

MA9

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

Introducing calculus using dynamic, selectable objects
Lesson plans for trigonometry and vectors
Techniques for interaction: artful use of the scribble tool and slow plot

12.45pm: Lunch

1.45pm: Doing useful things with probability and statistics in Excel and Autograph

Bivariate data, regression and residuals
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
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.

Tutor: Douglas Butler

Course price: £195 + VAT

Date: Tuesday 22nd June 2010

Venue: London

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

This course is for 16-19 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).