

**9.45am:** Registration and Coffee

**10.00am:** **What are the ingredients of a successful mathematics teacher?**

A selection of simple activities from basic number work, data handling & shape and space & measures will be used to illustrate a variety of ways of engaging reluctant learners and stimulating the more able.

**11.15am:** Morning coffee

**11.30am:** **Using ICT to keep learners focussed on the mathematics**

Simple but highly effective uses of Excel, selected software and web-based resources projected to the front board

**12.15pm:** **Introducing Algebra “without scaring them off”**

Supporting the less able to appreciate what it's all about and setting challenging investigations for the more able.

**1.00pm:** Lunch

**2.00pm:** **Data Handling and Probability**

Teaching and learning using ‘real’ data makes for a more meaningful (and ‘fun’!) experience for both learners and teachers. Effective learning rather than tedious repetition of seemingly pointless tasks!

**2.45pm:** **Fun ideas to enhance understanding of shape and space**

Transformations, Circles, Pythagoras and Trigonometry – examples of interactive lessons that leave ‘no hiding place for the learners’ and encourage peer support

**3.30pm:** **Plenary discussions**

**3.45pm:** Day ends

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

**Tutor:** Alan Catley

**Course price:** £195 + VAT

**Date:** Tuesday 6th July 2010

**Venue:** London

**Delegates will receive a file and/or CD containing detailed notes of the course**

The course has been specifically designed for teachers looking for a new approach to the teaching and learning of Mathematics at KS3 and KS4. The focus will be on ideas and methods to stimulate and enthuse learners through a variety of activities that have been tried and tested in the classroom.

The workshop offers a wide range of practical classroom solutions to the problem of motivating and improving performance in students of differing abilities. The focus will be on ‘bringing maths to life’ and creating an ‘activity based learning environment’ that leaves no hiding place for students in the classroom whether ‘low achievers’ or ‘gifted and talented’