

**Al-Bayan Bilingual School**  
 Beirut Street, Kuwait Tel: +965 2227 5000  
 مدرسة البيان ثنائية اللغة



[www.bbs.edu.kw](http://www.bbs.edu.kw)

**Kuwait International Educators' Conference**  
**Friday 27<sup>th</sup> – Sunday 29<sup>th</sup> January 2012**

**“Using dynamic images to enhance mathematics teaching”**  
**by DOUGLAS BUTLER (UK)**



Director of the TSM training workshops, and co-author of Autograph 3.3

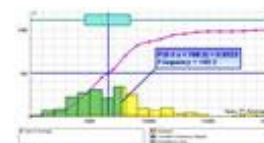
**FRI 3:00-4:00pm**

**SAT/SUN 8:00-9:00am**

► **The TSM Resources Website and Autograph introduction**

Douglas maintains a significant website of links, [www.tsm-resources.com](http://www.tsm-resources.com) from which carefully chosen ‘apps’ can significantly add variety and clarity to your lesson plans.

**Autograph** was designed for teaching, and has a wide range of unique features that allow the **pedagogy** to remain the principle focus.



**FRI 4:15-6:00pm**

**SAT/SUN 9:15-11:15am**

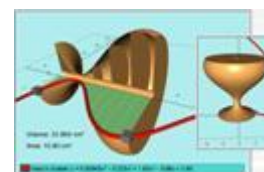
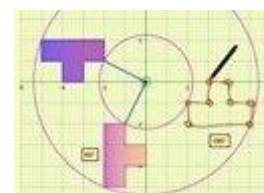
► **Using Autograph to support teaching ages 11-16 (hands-on)**

**FRI 7:00-8:15pm**

**SAT/SUN 12:15-2:15pm**

► **Using Autograph to support teaching ages 16-19 (hands-on)**

Autograph’s use of dynamic, selectable and dependent objects is the perfect environment for **visualising mathematics** in both 2D and 3D. Critically, the slow plot and scribble-tool features enable teachers to engage and challenge students: this ensures that nothing happens ‘onscreen’ before the appropriate thought process has been carried out.

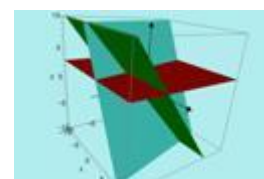
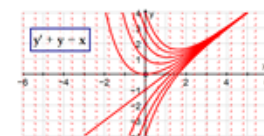


**FRI x**

**SAT/SUN 2:25-3:00pm**

► **Autograph for teaching Probability and Statistics**

The world is heaving with data, and the Kuwaiti curriculum features statistics strongly. Autograph gives teachers and students the chance to analyse large amounts of data with ease, and to create **mathematically correct diagrams**. Data is easily imported from Excel, and handsome diagrams and tables exported easily to Word.



*Attendees will be presented with a **free single-user copy** of Autograph 3.3, PC or MAC (max 2 per school). Bring your laptop and receive the current set of data and image files from TSM!*

**About the speaker – DOUGLAS BUTLER**

Douglas has taught secondary Mathematics for over 30 years, but now concentrates on sharing his enthusiasm for technology in the classroom. A keen pianist and dinghy sailor, he is a frequent speaker at international conferences, is principal author of Autograph (v 3.3, 2011), and runs the TSM series of workshops, and web resources: [www.tsm-resources.com](http://www.tsm-resources.com).



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 PREPARE NOW: View the many Autograph tutorials on .. [www.tsm-resources.com/autograph](http://www.tsm-resources.com/autograph)