

MEI Mathematics in Education and Industry
Promoting Excellence in Mathematics Education

Teaching Maths with an Interactive Whiteboard

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Using as an advanced traditional whiteboard

- Moving/drawing
- Saving materials
- Using built-in tools
 - calculator
 - backgrounds
 - shapes
 - dice etc

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Getting the most out of your IWB

- Multiple windows
IWBs allow for the internet and other programs such as Excel or Autograph to be inserted seamlessly into lessons when appropriate
- The act of dragging or moving something can be powerful when explaining a mathematical concept


Useful tips

- Have a student sit at the keyboard for anything that requires key-entry
- Have a conventional whiteboard in the room as well (if possible)
- Know if your IWB uses an “acetate” or “jpeg” method for storing screen-shots

Software

- Autograph/Omnigraph
- GeoGebra
- Geometry software
- Pre-prepared Excel (sliders)
- e-Segments/Interactive Investigations for GCSE
- MEI online resources
- PowerPoint (built-in pen)

Using the Forms menu in Excel

- View > Toolbars > Forms brings up the menu.
-  puts a scroll-bar (or slider) on the screen. It returns an integer between 0 and a no.
- Select the scroll-bar from the forms menu and place one on the screen by holding down the left mouse button to create a rectangle.
- “Right-clicking” and selecting Format Control on a scroll-bar allows you to link it to a cell. This can be done by selecting the Control tab and placing a cell-reference in the cell link box. (You may have to click outside the scroll-bar before it works).
