

# Interactive Whiteboard Training



School Improvement – ICT Gareth Morgan ICT Advisory Teacher

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# Agenda for SMARTboard Interactive Whiteboard Course

- 9.00 – 9.10 Introductions – What do you hope to get from the course?
- 9.10 – 9.20 Classroom / school experiences of using SMARTboards
- 9.20 – 9.40 Introduction to the benefits of using an IWB
- 9.40 – 9.50 Setting up the IWB
- 9.50 – 10.15 General use of the IWB (acetate layer, issues, etc.)
- 10.15 – 10.30 Looking at SMART Notebook teaching resources
- 10.30 – 10.45 Coffee
- 10.45 – 12.30 Using SMART Notebook
- 12.30 – 1.30 Lunch
- 1.30 – 2.15 Looking at other IWB resources (CD). Possibly Powerpoint ?
- 2.15 – 3.30 Creating your own teaching resources using SMART Notebook



# 3 types of 'User'

- *Novice* – users who are afraid that simply pressing a key might break their computer.
- *Intermediate* – those who don't know how to fix their computer after they've just pressed a key that broke it.
- *Expert* – are those who break other peoples computers !

# What is an interactive whiteboard ?

- touch sensitive projection screen that allows you to control a computer directly, by touching the board.
- need a computer, a projector and the whiteboard.
- computer is connected to the projector and the whiteboard, and the projector displays the computer screen image on the board.
- you are able to point at the 'active' elements on the board, using your finger or an appropriate electronic pen as a mouse, this action is transmitted to the computer.

# Why Should We Use Interactive Whiteboards ?

- Acts as an electronic flip chart.
- Offers the same features as a traditional whiteboard such as writing directly on the board, circling things, highlighting and erasing.
- Offers an on-screen keyboard that allows you to enter text or data into almost any application.
- Enhances presentations by easily integrating video, animation, graphics, text and audio.
- Easy to save any notes or diagrams generated in the lesson, and use again.
- The whole class can easily see what is happening.
- Encourages 'technophobic' teachers to deliver naturally using technology from the front of the room.
- The board accommodates the different learning styles. Tactile learners can benefit from touching and marking the board, audio learners can have class discussion and visual learners benefit from what they can see on the board.
- Pupils with limited motor skills or young children can enjoy using the board. Because of the large format, it may be easier for pupils to 'tap' the board rather than clicking a mouse.
- Is an effective means of enabling pupils to present and discuss their personal work.
- Offers an easy and effective means of demonstrating software.
- Children appear to love using the board at every opportunity !



# Areas That Can Benefit From Whiteboards

- Interactive whiteboards are gaining in popularity particularly because of the way they lend themselves to whole-class teaching.
- Can be problems with the whole class trying to look at one computer monitor.
- An alternative is to connect the computer to a device that will project it in some way to a larger size – the interactive whiteboard.
- Literacy work – whole class can share a text, but the interactive whiteboard has also allowed children to come up and select words, phrases and sentences that need to be altered.
- Texts can be adapted or altered in ‘real time’ at the board. Work can be drafted and saved to be used at another time.
- In Mathematics the whiteboard has been very good at demonstrating resources such as RM Easiteach, which was specially designed for use on interactive whiteboards and for many maths CD Roms. Many boards have templates such as graph paper or squared paper.
- In Science the whiteboard can help deliver whole class demonstrations of scientific principles that perhaps might be impossible to show in class.
- In art children can work on a collaborative piece of artwork at the whiteboard.



# How could other subjects benefit from using an interactive whiteboard ?

Music

Welsh

DT

History

Geography

PE

ICT

