IB AFRICA, EUROPE & MIDDLE EAST REGIONAL CONFERENCE 2014
ROME • 16–19 OCTOBER
Addressing Ways of Knowing through ICT Teaching in a High-Tech Classroom

Developing students knowing and critical thinking in a High-Tech Classroom

German School Beirut – Lebanon
Deutsche Schule Beirut - Libanon
Do you think there is a difference between your learning experience and your teaching experience?

Let’s Watch the Difference…
Our mission is to create lifelong learners who possess the competencies, confidence and knowledge to meet the challenges that face them. Living in a diverse society and a globalized world, we work on graduating students who are contributing members of society, tolerant of others and empowered to shape their own future.
21st Century Competencies

- Civic Literacy, Global Awareness and Cross-Cultural Skills
- Critical and Inventive Thinking
- Communication, Collaboration and Information Skills
Background

- Innovation
- Engaging

Step 1: IWB 10/11
- Non-linguistic Stimulation
- Effective Strategies

Step 2: IWB 11/12/13
- Maximizing Impact

Step 3: High Tech CR 13/14
IWB Inclusion

Process

• Suitable IWBs
• Debates and Demos
• Training Teachers and Students

Methods

Simulations

Graphic Organizers
"It is a big step, a great one. It's human nature to refuse change, but it's also human nature to adapt. I always tell my kids when they miss books, it is going to be an easier adaptation to your future career where there is not going to be books but only laptops or think pads."

10/11/2014 8:44 AM
Components…How does it work?

**Hardware**
- PC/Laptop
- UPS
- IWB

**Software**
- IWB Software on Student/Class PC
- Communication Software

**Methods**
- Connecting Student PC Tablets to Classroom PC
- Projection of IWB
- Display of Student Screen Transfer of Files
Administration & Teacher Role

Monitoring

Organisation
Pros

• Carry Load
• All material is found in one place (*previous/organization*)
• Elimination of wasted time
• Note taking and Attention
• Academic Honesty
• Going Green
• Better monitoring of student work
• Access to resources
• Clarity of Communication

Cons

• Distractions
• Advance over other systems
• Difficulty to adapt
• Accuracy of Outcome
• Country based outcome
• Teacher Dominance
Challenges

Official Exams

Distractions
Challenges

Teacher Dominance

Accuracy of Outcome

Country Based Development

While using the computer/IWB technical problems occur.

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Tab. 1: Technical Problems (Data from lessons observation)
What Our Students Think…

High-Tech Classroom Experience Survey

- With the PC Tablet the weight load of carrying bags is not a problem anymore
- I have access to more resources and material
- I can easily refer to previous material
- I interact more in the classroom
- I feel more independent when working on tasks in class or at home
- During explanation, I understand better with the use of visuals (videos, simulations, etc…)
- My handwriting has not been affected by writing on the PC tablet
- The transfer of data between students and teacher in classroom is efficient (file transfer)
- Reading from the e-books on the PC tablet is easier and clearer
What the Parents Think…
What the Teachers Think...