Meets

New Experiences for Engaging Learning

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PYP: Authorized School
MYP: Verification Visit in November (MYP 4)
DP: Candidacy School

Map from Designing the Future Classroom (Will Ellis), Dec 2010

www.sek.es
iTEC: Technologies for an Engaging Classroom

innovative

Designing the future classroom

Technologies for an Engaging Classroom

Supported by the EC FP7 programme
Trends driving Innovation in Schools
iTEC Map

15 Ministries of Education

Educational Institutions

Experts and researchers

ICT providers

Innovative teachers

Map from *Designing the Future Classroom* (Will Ellis), Dec 2010
iTEC

Technologies

Student participation

Teamwork

Collaboration
iTEC project overall view:

Project progress

Source: Designing the Future Classroom (Will Ellis), Dec 2010
One cycle basic structure:

Scenarios development

Focus groups and Pre-pilots

Full scale pilots

Evaluation

Source: Designing the Future Classroom (Will Ellis), Dec 2010
Vocabulary:

• **Learning Scenarios:** General descriptions of classroom learning experiences drawn from emerging trends in education, society and technology.

They describe the context and environment in which the learning takes place and the interactions between teachers and students.

Their purpose is to provide a vision of teaching and learning to help teachers evaluate and rethink their current practice.

Source: *Designing the Future Classroom* (Will Ellis), Dec 2010
Learning Activities (LA):

are based on Learning Scenarios and describe classroom activities. “Working in teams”, “creating multimedia presentations” and “reflecting on learning” are all examples of Learning Activities.

Scenarios to learning activities

Source: Designing the Future Classroom (Will Ellis), Dec 2010
• **Learning Stories (LS):**

are produced when Learning Activities are packaged together to provide a comprehensive learning experience. They provide a narrative that relates the what? who? and why? of a lesson or a unit of work. In the iTEC Project they were often used to illustrate what a pilot lesson might look like in order to stimulate ideas. Pilot teachers related them as part of their evaluation.

*Source: Designing the Future Classroom (Will Ellis), Dec 2010*
Some iTEC results:

Source: Evidence of the impact of iTEC on teaching and learning
       (Cathy Lewin, Will Ellis, Maureen Haldane, Sarah McNicol), May 2013

Source: Impact of iTEC on teachers and pupils (Alexa Joyce), October 2013

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**iTEC in Schools**

- Carrying out iTEC learning activities had a positive impact on students:
  - 63% Attainment
  - 82% Active and Independent Learning
  - 82% Engagement in School Work
  - 89% Ways to Express Themselves
  - 90% Skills for Collaborative Work
  - 90% Development of Creative Skills

- Carrying out iTEC learning activities had a positive impact on teachers:
  - 75% Attending to Students' Individual Learning Needs
  - 73% Interest about Own Pedagogical Practice
  - 87% Incorporation of New Pedagogical Practices
  - 80% Knowledge of the Pedagogical Use of ICT
  - 75% Knowledge of ICT
  - 84% Interest to Use More ICT

Showing the percentage of teachers agreeing, n=626
TeamUp

Making teams

Students voting

Team management

Reflection
Design process of pilot cycle 4

Design Process of Pilot Cycle 3
<table>
<thead>
<tr>
<th>iTEC cycle 3</th>
<th>iTEC cycle 4</th>
<th>IB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Brief</td>
<td>Dream</td>
<td>Initial Assessment</td>
</tr>
<tr>
<td>Contextual Enquiry</td>
<td>Explore</td>
<td>Enquiry</td>
</tr>
<tr>
<td>Product Design</td>
<td>Map</td>
<td>Continuous Assessment</td>
</tr>
<tr>
<td>Participatory Design Workshop</td>
<td>Ask</td>
<td>Reflection</td>
</tr>
<tr>
<td>Final Product Design</td>
<td>Re-Make</td>
<td>Final Assessment</td>
</tr>
<tr>
<td>Reflection</td>
<td>Show</td>
<td>Reflection</td>
</tr>
</tbody>
</table>
What we’ve done (our experiences):

Cycle 3

6th grade  Redesigning School

MYP3      Physical Simulation
           (Creating an Object)

10th grade Redesigning School
What we’ve done (our experiences):

Cycle 4

6th grade  Telling a Story

MYP3  Telling a Story

10th grade  Telling a Story
design brief

product design

contextual enquiry

final product design

reflection

participatory workshop

dream

map

make

show

think

ask

explore
design brief

Dream

Brainstorming

Moving on...
Teamwork

Student initiative

contextual enquiry

explore

What things do we need to consider when designing a classroom?
Time management, contextual enquiry, explore
Product design

Format...????
Product design

Genre...??
show final product design

Exposure of the final products to the Learning Community

That's boring... isn't it a funnier way to learn this?
SMART Response
Tech assisted reflection

TeamUp

Reflection with the community
final product design

show

Mathematics in the LIFE
Thank you!!
Pictures and videos from SEK-Atlántico International School archive. Photographers: Monica Azpilicueta, Joanne Fogarty, Gonzalo Garcia, Antonio de Ron and Rafael García

iTEC maps on slides 3 and 7 from *Designing the Future Classroom* (Will Ellis), December 2010

Graphics and infographies on slides 3, 7, 8, 9, 10, 11 and 12: *Designing the Future Classroom* (Will Ellis), December 2010


iTEC schedule infography on slides 8 and 9 from *Designing the Future Classroom* (Will Ellis), December 2010

iTEC scenario samples on slide 10 from *Designing the Future Classroom* (Will Ellis), December 2010

iTEC Scenario to Learning Activity infography on slide 11 from *Designing the Future Classroom* (Will Ellis), December 2010

iTEC Learning Story vs Activity infography on slide 12 from *Designing the Future Classroom* (Will Ellis), December 2010

Infography on slide 13: *Impact of iTEC on teachers and pupils* (Alexa Joyce), October 2013

Graphs on slide 13: *Evidence of the impact of iTEC on teaching and learning* (Cathy Lewin, Will Ellis, Maureen Haldane, Sarah McNicol), May 2013
For further enquiries:

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