Approaches to and strategies for choosing/using learning technologies

Open Course on Technology Enhanced Learning (ocTEL)
ALT, 7th May 2014

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Who are you?

- Staff developer
- Support staff
- Course content developer
- Academic
- Researcher
- Manager
- Working in industry
- Senior Executive
- Learning technologist
Straddling domains

Academic

Administrative

Technical
Over the years...

<table>
<thead>
<tr>
<th>Reasons for using/choosing technology</th>
<th>Perceptions of needs, of importance, of quality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rule of thumb</td>
<td>You said…we did…</td>
</tr>
<tr>
<td>Literature</td>
<td>Efficiency</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Success measures</th>
<th>Assumptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experience</td>
<td>Satisfaction</td>
</tr>
<tr>
<td>Similarities</td>
<td>Expectations</td>
</tr>
<tr>
<td></td>
<td>Impact</td>
</tr>
</tbody>
</table>

- Assumptions: Experience, Similarities
- Satisfaction: Emotional, Behavioural, Recommendations, Intentions
- Expectations: Engagement, Access, Checklists
- Impact: Benchmarking achievement, value for money/ROI, scale
e-Learning  \( (e = \text{embedding}) \)

Need to embed into:  
- the curriculum  
- student support  
- existing practice  
- assessment  
- learning experience…

‘Embeddedness’ as a measure of success?
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Author: Samantha Penney, samantha.penney@gmail.com
Ultimately it is about learning
Task-based learning design
One example:


Useful resources at:
In each of these courses, students were asked to work in groups to create or to improve Wikipedia articles related to the course topic.

Course: Spanish/Latin American Studies
Group assignment
Class size: 30

**Learning outcomes**
Writing Skills Development
Communication Skills
Critical Thinking and Research Skills
Collaboration
Digital Literacies Development

Case study based on the work of Jon Beasley-Murray, Associate Professor of Latin American Studies
University of British Columbia, Canada
http://upload.wikimedia.org/wikipedia/commons/0/03/Wikipedia_Education_Program_Case_Studies.pdf
I asked my students to go on Wikipedia and find an article that could use an illustration that would explain graphically what was written in words.

Course: Landscape architecture (PG level)
Individual assignment
Class size: 11

Learning outcomes
Technical and Communication/Presentation Skills
Critical Thinking and Research Skills
Digital Literacies Development
Collaboration

Case study based on the work of Bruce Sharky, Professor
Louisiana State University, USA
Another example:

**The 8 Learning Events**

Developed by Dominique Verpoorten
University of Liege, Belgium

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**Figure 1: Learning Events**

A part complete example - Students receive case studies of 2 conditions per week - they are expected to explore and discuss these with members of their group and then feed back on the case study to the entire group.

<table>
<thead>
<tr>
<th>Activity/Task - Objective</th>
<th>Learning Event</th>
<th>Teacher’s Role</th>
<th>Learner’s Role</th>
<th>Resources</th>
<th>Tools (Inc. Technologies)</th>
<th>Other Comments (1-1, group work, Timing etc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Learners are presented with a case-study</td>
<td>RECEIVES</td>
<td>Describe</td>
<td>Question</td>
<td>Printed matter-case study, lecture notes, readings</td>
<td>VLE - WebCT Vista Content Module Web Links</td>
<td>Group Work</td>
</tr>
</tbody>
</table>
Learner-centric learning design
Learner

Information and resources

Others (Teachers, peers, etc)

Learning environment
Developing digital literacies

**Course:** Digital literacies  
**Class size:** Cross-university (all students)

**Learning outcomes**  
Objectives are specific to each learner

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**Kyriaki Anagnostopoulou**  
Head of e-Learning

**Julian Prior**  
PriDE Project Officer

University of Bath
Technology is only a small part...

the big decisions are
pedagogical ones
An experience money cannot buy…

Inside cancer: how genes influence cancer development
An ideal introduction for those interested in understanding how genetics influences the

Rated 94%
Recommended 97%
Any comments?

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