The student experience: Inside and outside thinking

Yvonne Rogers
UCLIC
University College London
Guerrilla lecture later this evening. Tickets to be issued at 6:45pm in foyer of New Academic Building. LSE only I am afraid #LSEguerrillas
“An event on Thursday 24 October involving guerrillas, hell and commandos. Without giving too much away, it involves the Institute of Public Affairs, led by Professor Conor Gearty, who is pioneering a new style of lecturing at LSE.

Forget traditional lecture halls and think, instead, an intellectual form of a flash mob... Keen to experience a unique, engaging, thought-provoking evening? Interested in discussing a controversial subject in a location that very few get the chance to see?”
What the Hell?
Suspense matters

Ambient Wood, Equator
With Sara Price, Eric Harris, Hilary Smith, Cliff Randell, Henk Muller, Claire O’Malley, Danae Fraser Stanton, Mark Thompson, Mark Weal, Ted Phelps, Danielle Wilde, Mia Underwood, Paul Marshall and Rowanne Fleck
“How wet is this tree?”
“What did you probe?”
Bird’s eye view
How can we make MOOC learning experiences as captivating?
“every product that is used by someone has a user experience: newspapers, ketchup bottles, reclining armchairs, cardigan sweaters”

Garrett (2003, p. 10)
The student experience...

...is just like the user experience

Many factors to consider:

usability, functionality, aesthetics, content, the look and feel, enjoyable, sociability, student’s expectations, how motivating, right level of difficulty, challenging, inspiring, promote independent thinking, memorable, and so on
Online/e-learning: inside thinking

Personalisation
- customized to individual learner

Flexible
- independent learning ‘any time any place’

Adaptive
- dynamically adapt to learning context
Outside thinking

Interactivity
Context
Playfulness
Connecting
Boring interactivity with no feedback

Fun interactivity with feedback

Version 2.4
'Construct Food Web'

Software Design: Matt Davies

©Copyright 1996, ECOI Project, University of Sussex, UK.

With Mike Scaife, Matt Davies and Frances Aldrich
Context
Outside thinking

With Kay Connelly, Richie Hazlewood and Lenore Tedesco
Contextual information
The shrinking trees
Many more hypotheses generated
1. Normal growth

2. Shrinking tree example
Playfulness
Retirees playing together

With Jeni Paay, Margot Brereton and Kate
Connecting
Connecting out there...

With Anne Adams, Janet van der Linden, Tim Coughlan, Caro Wilson, Pablo Haya, Estefanía Martín and Trevor Collins
Discover more…
Instead of ‘designing for one’

• Orchestrate shared activities using ecology of devices
• Shared devices that link to public displays
4Decades
Climate Leaders

Serious Games for Classrooms
Using Shared Tablets and Projectors
Summary

How can we design online learning experiences – using ‘inside thinking’ to trigger more ‘outside thinking’?
Acknowledgements

• My many colleagues, researchers and students at UCL, The Open University, Indiana University and Sussex University

• My hosts in Australia this year

• Intel, EPSRC and the Eli Lilly Foundation for funding the research