Education Innovation Quest:
A Century in the Service of Knowledge
University of Pretoria,
South Africa:
24-26 June 2008

The implications of Web 2.0 for teaching and learning in a knowledge-based society

Tony Bates Associates Ltd

1

Overview

1. Introduction

2. E-Learning 1.0 and Web 1.0

3. Defining Web 2.0

4. Educational implications

5. A framework for choosing Web 2.0 tools

6. Conclusions

© Tony Bates Associates Ltd

2

Online learning 1995-2006

Main driver: Internet + learning platforms:

• WebCT, Blackboard, Moodle, Virtual Campus

• integration of teaching and administration

• proprietal vs open-source

• institution/teacher-focused

© Tony Bates Associates Ltd
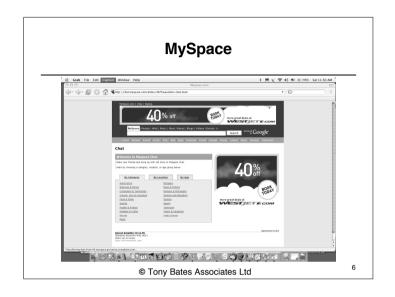
3

What is Web 2.0?

Definition (Wikipedia):
second generation of Internet-based services—such as social networking sites, wikis, communication tools, and folksonomies—that emphasize online collaboration and sharing among users.

© Tony Bates Associates Ltd

4

Google

5

MySpace

6

iTunes podcasts Higher Education

7

iTunes Podcasts Educational Technology

8

Second Life

© Tony Bates Associates Ltd

9

Flickr

© Tony Bates Associates Ltd

10

YouTube

© Tony Bates Associates Ltd

11

New technologies: 2005 -

user-created content: blogs, YouTube
social networking: MySpace
mobile learning: phones, MP3s
virtual worlds: Second Life
emerging publication: wikis, e-Portfolios
multi-player games: Lord of the Rings
simulations: MyPhysicsLab.com
synchronous: Skype, Elluminate

© Tony Bates Associates Ltd

12

3

What is Web 2.0?

Educational implications
- **learners have powerful tools**
- **learners create/add/adapt content**
- **personal learning environments**
- **power shift from teachers to learners**
- **'open' access, content, services**

13

What is Web 2.0?

Educational implications:
- **social networks; peer-to-peer (P2P)**
- **institutional shift to service, speed, and market response**
- **issues of quality, IP and accreditation**
- **others?**

14

Web 2.0 and learner control

Objectivist   **Constructivist**

Tests   **Essays**   **E-portfolios**
                                         MySpace
Books **LMSs (e.g.Moodle)**   **RSS**   **Portals**
                                              flikr
          Discussion forums   **Wikis**   **Blogs**
                          Second life   **Non-credit**
Credit   **Research**

Teacher control   **Learner control**

15

How to mobilise Web 2.0 in online teaching

Within programmes:
- **group work**
- **projects and cases**
- **outside experts and content**
- **field work**
- **language teaching**
- **multimedia assignments/e-portfolios**
- **………**

16

Dangers of Web 2.0

'Instead of a dictatorship of experts, we'll have a dictatorship of idiots'

Andrew Keen, 'The Cult of the Amateur'

17

Dangers of learner-centred Web-based learning

- **'democratization' of learning: threat to expertise/authority/reliability?**
- **undermining of scientific thinking?**
- **dependent learners: need for structure/guidance (teachable)**
- **didactic teaching sometimes best**
- **trustworthiness and security**

18

The educational benefits of Web 2.0

- **lot of hype: much of Web 2.0 is social not educational**
- **BUT there is educational potential: meets many lifelong learning needs**
- **change in philosophy as well as technology**
- **will lead to power shift to learners**
- **needs more experimentation/ evaluation**

19

Further information

Lee, M. and McLoughlin, C. (2009)

<u>Web2.0 Based e-Learning: Applying Social Informatics for Tertiary Teaching</u> Hershey PA: IGI Global

20

Contact and more information

tony.bates@ubc.ca
http://tonybates.ca