Learning Management Systems and Mobile Delivery: Seeking Simple Solutions

Dr John Clayton
Students and their notebooks at The Missouri School of Journalism
Question?

Will m-learning change our conceptions of teaching & learning?
Impact is influenced by the instrument delivery
Bar Codes

One Dimensional

[Barcode Image]
Stacked

One Dimensional
Two Dimensional

- QR code is presented in both the vertical and horizontal dimension (direction)
1. Version Information
2. Format Information
3. Data and Error Correction Keys
4. Required Patterns:
   4.1. Position
   4.2. Alignment
   4.3. Timing
Question?

How are learning events influenced by Space and Place?
“... Scape”

Denotes a representation of a scene or view, as specified by an initial element:

*Sea*-scape, *land*-scape, *media*-scape. ... 

... ...
Internal-Scape

Ensure **Red Switch** Is ON
External-Scape

Links
- Audio
- Movie
Critical success factors in e-learning for Small and Medium enterprises

Richard Elliott and John Clayton: Waikato Institute of Technology

In examining the use of elearning to build workforce capability in small or medium enterprises (SMEs: <100 employees) five Critical Success Factors (CSFs) were identified.

The CSFs include:
- Awareness: The benefits of e-learning are accepted by senior managers/owners of SMEs.
- Identification: Firms are able to clearly identify how e-learning can be successfully incorporated within current training plans.
- Implementation: An e-learning training plan is developed and offered to employees.
- Evaluation: The impact on the organisation of the e-learning training plan is assessed.
- Sustainability: e-learning support is provided to embed e-learning in normal training practices.

It was found those organisations that systematically addressed each CSF effectively and efficiently had introduced e-learning applications in their training programmes.

The CSFs are illustrated here in a graphical format.

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References
Relevant and Authentic

By enabling

– Location Generated Content
– Location Based Services

We contextualise the environment to meet learners immediate needs
View of Teaching and Learning

• Tutors engage learners in real-world, authentic situations, promoting concepts of
• Learning by “doing” rather than “listening” and
• Understanding “how to” rather than “about”.
Learning Management Systems: How are they used in your organisation?
Accomplishment

Empowered

- Participants are competent, confident and capable of using QR/MT.
- Ongoing support in QR/MT learning applications provided to learners and tutors.

Action

Capability

Awareness
Going Mobile

The Emerging Technologies Centre has included a functionality, “Mobile Learning Engine”, to this site. This functionality allows participants to engage with moodle courses from their phones. A QR code to access ETC - Mobile is provided below.

ETC Moodle Link: http://etc.elearning.ac.nz/

ETC Manager: Dr John Clayton

Link: http://mobile.elearning.ac.nz/
Connections generated by codes are reliable and robust.

Infrastructure facilitates the transfer of information between disparate information platforms and systems to mobile devices.
Mobile Learning Engine: MLE

**MyMLE - End Users For private persons**
MyMLE is for everyone, who wants to use mobile learning for himself. It allows you to create your own mobile learning content and to pack it to a mobile phone application, which you can use on your phone.

**MLE-Moodle - End Users For institutions/companies**
An out-of-the-box mobile Learning system. Which contains everything you need to build a mLearning system. Easy to install and easy to use.
To use MLE-Moodle you need a web-server!

**MLE mobile application framework - Developers**
The mobile phone learning-application offers a very powerful mobile application framework for your own mobile projects. Extending the MLE is very easy due to a plugin-system.
For developers only!

Accomplishment

Assess

Engaged

Learners have open access to interactive content at any time from anywhere.

Content

Learners have ready access to the contextualised content they need when they need it.

Action

Awareness
“Virtual-Scape”

My Maps

Create personalised, annotated, customized maps using Google Maps.

Your maps can contain the following:

- Placemarks
- Lines
- Shapes

Once you have created a map, you can:

- Add descriptive text, including rich text and HTML
- Embed photos and videos in your map
- Share your maps with others

To create or edit maps, you must be signed in to your Google Account. If you do not have an account, create one now.

Creating a Map

Creating a map is easy. Here are the basic steps:

1. Click My Maps
2. Click Create new map.
3. Add a title and description for your map.
4. Decide whether the map should be public or unlisted. Public maps are automatically included in Google Maps search.
5. Use the icons in the top left corner of the map. These include:

   - Selection tool. Use this to drag the map and select placemarks, lines and shapes.
   - Placemark tool. Use this to add placemarks.
   - Line tool. Use this to draw lines.
   - Shape tool. Use this to draw shapes.

You can return to your map at any time. Just go to Google Maps and click My Maps. Sign in to your Google Account and select the map from your list of maps.

Link: http://maps.google.co.nz/
Accomplishment

Assess

Enabled
Connections generated by codes are reliable and robust.

Context
Infrastructure facilitates the transfer of information between disparate information platforms and systems to mobile devices.

Action

Engaged
Learners have open access to interactive content at any time from anywhere.

Content
Learners have ready access to the contextualised content they need when they need it.

Action

Empowered
Participants are competent, confident and capable of using QR/MT.

Capability
Ongoing support in QR/MT learning applications provided to learners and tutors.

Action

Awareness