The A.C.E Framework

Dr John Clayton
Don't worry. Technology will save you.
Capability

• **Effective:** impact on learning/training in the manner they were designed to do,

• **Efficient:** are cost effective in terms of “return of investment” on the resources consumed (i.e. time spent individuals engaging with the activity and time spent developing the activity)

• **Replicable:** others (institutions/individuals can duplicate events and obtain the similar results
Accomplishment

Action

Awareness
The 3 As

• **Awareness**: Leadership reflects upon existing capacity, capability and use of ICT.

• **Action**: Policies and plans are generated to increase access, capacity and capability at a systemic level.

• **Accomplishment**: The impact of implementations are evaluated for effectiveness.
How many colours
3 Cs

- **Context:** Infrastructural/technical factors shape and influence participant perceptions of ICT-enabled environments.

- **Content:** National factors emphasise the ‘uniqueness’ of individual institutions and shape the direction and focus of ICT-based implementations.

- **Capability:** Individual factors building the competence, confidence and understanding of individuals and determine the successful integration of ICT in institutions.
3 Es

- **Enabled**: Initiatives measured on how they have enabled users to participate in ICT enhanced environments.

- **Engaged**: Initiatives can be measured on how they have initiated and maintained engagement in the ICT communities established.

- **Empowered**: Initiatives can be measured on how they have ensured all participants are capable of participation.
The A.C.E Model

ICT Accomplishment (Measure)

Assess

Enabled
Connections are reliable and robust.
Access policies are designed to facilitate delivery of ICT facilitated teaching and learning events.
Purchases of peripheral devices and software are aligned with school policies and procedures

Context

Assess

Engaged
Learners are actively engaged with course resources deployed.
Digital learning objects are indexed, stored, retrieved and presented
Participants have access to course materials they need, when they need them

Content

Assess

Empowered
Teachers are provided with professional development in ICT enabling them to participate fully in ICT environments.
Learners provided with ongoing support enabling them to participate fully in ICT environments

Capability

ICT Awareness (Plan)
One Dimensional

9 8 7 6 5 4 3 2 1 0 9 8
Stacked
Two Dimensional

- QR code is presented in both the vertical and horizontal dimension (direction)
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 plug-in-system.
For developers only!

MyMLE is a stand-alone PC application (for Windows and Linux) which is easy to use. The mobile phone application it creates runs on nearly every mobile phone.

MLE-Moodle is a plugin for Moodle, which adds mLearning functionality to the open-source eLearning system. The mobile learning area can be accessed with the mobile phone browser or with a special mobile phone application, which is designed for mobile Learning.
Learners have open access to interactive content at any time from anywhere.

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

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“Scapes”

My Maps

Create personalized, 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.
Accomplishment

Assess

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
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
Accomplishment

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Awareness