All my mommy's imaginary friends are on something called "Facebook."
The Organisational Implications for Adopting e-Learning

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Emerging Technology Centre
Employees hold views of the world and meanings for words that make sense to them.

Industry attempts to capture that knowledge and encloses it in a specific learning environment.

How the e-frame is constructed is crucial to fully engaging employees.
## NZ population Internet use by individuals for education: 2006

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Recent users</th>
<th>Internet users</th>
<th>% of total population</th>
<th>Education or study</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 - 19</td>
<td>264,400</td>
<td>87.2</td>
<td>55.1</td>
<td></td>
</tr>
<tr>
<td>20 - 24</td>
<td>237,700</td>
<td>83.8</td>
<td>39.4</td>
<td></td>
</tr>
<tr>
<td>25 - 29</td>
<td>212,000</td>
<td>82.4</td>
<td>23.3</td>
<td></td>
</tr>
<tr>
<td>30 - 34</td>
<td>225,700</td>
<td>82.8</td>
<td>20.8</td>
<td></td>
</tr>
<tr>
<td>35 - 39</td>
<td>232,800</td>
<td>77.0</td>
<td>22.1</td>
<td></td>
</tr>
<tr>
<td>40 - 44</td>
<td>242,800</td>
<td>77.8</td>
<td>21.3</td>
<td></td>
</tr>
<tr>
<td>45 - 49</td>
<td>220,100</td>
<td>73.3</td>
<td>21.9</td>
<td></td>
</tr>
<tr>
<td>50 - 54</td>
<td>179,300</td>
<td>68.9</td>
<td>19.4</td>
<td></td>
</tr>
<tr>
<td>55 - 59</td>
<td>152,000</td>
<td>63.8</td>
<td>15.9</td>
<td></td>
</tr>
<tr>
<td>60 +</td>
<td>240,600</td>
<td>35.8</td>
<td>14.0</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,207,600</strong></td>
<td><strong>69.0</strong></td>
<td><strong>26.3</strong></td>
<td></td>
</tr>
</tbody>
</table>
## Business use of computers and the Internet: 2006

<table>
<thead>
<tr>
<th>Business Size</th>
<th>Total</th>
<th>% Using computers</th>
<th>% Using the Internet</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-19 employees</td>
<td>25,974</td>
<td>92</td>
<td>89</td>
</tr>
<tr>
<td>20-49 employees</td>
<td>6,288</td>
<td>97</td>
<td>95</td>
</tr>
<tr>
<td>50-99 employees</td>
<td>1,731</td>
<td>99</td>
<td>98</td>
</tr>
<tr>
<td>100+ employees</td>
<td>1,440</td>
<td>100</td>
<td>99</td>
</tr>
</tbody>
</table>

Information Overload

There is an ever “increasing amount of information” - organisational, individual, trade and professional – “employees need to be aware” of to complete their tasks successfully.
Technological Innovation

The rapid rate of change in production, informational and communication technologies impacts on work practices and this impact needs to be managed in a consistent and timely manner.
Return on Investment

The provision of training to improve performance at an individual and organisational level must be done economically and efficiently.
<table>
<thead>
<tr>
<th>Training Component</th>
<th>Cost per Learner</th>
<th>Total Cost</th>
<th>Blended Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training, Design, Project Mgmt</td>
<td>$250</td>
<td>$250,000</td>
<td>$50,000</td>
</tr>
<tr>
<td>Learner Materials</td>
<td>$275</td>
<td>$275,000</td>
<td>$175,000</td>
</tr>
<tr>
<td>Facilitation Services</td>
<td>$175</td>
<td>$175,000</td>
<td>$75,000</td>
</tr>
<tr>
<td>Travel/Accommodations/Meals</td>
<td>$500</td>
<td>$500,000</td>
<td>$0</td>
</tr>
<tr>
<td><strong>Sub-Total: Hard costs</strong></td>
<td><strong>$1,200</strong></td>
<td><strong>$1,200,000</strong></td>
<td><strong>$300,000</strong></td>
</tr>
<tr>
<td>Employee Time off the Job</td>
<td>$800</td>
<td>$800,000</td>
<td>$400,000</td>
</tr>
<tr>
<td><strong>Total Cost of Investment</strong></td>
<td><strong>$2,000</strong></td>
<td><strong>$2,000,000</strong></td>
<td><strong>$700,000</strong></td>
</tr>
<tr>
<td>Performance Improvement</td>
<td>2%</td>
<td></td>
<td>7%</td>
</tr>
<tr>
<td>Value of Increase in Productivity</td>
<td>($100k salary)</td>
<td>$2,000,000</td>
<td>$7,000,000</td>
</tr>
<tr>
<td><strong>Return on Investment (ROI)</strong></td>
<td>none</td>
<td></td>
<td>10x</td>
</tr>
</tbody>
</table>
DON'T WORRY. TECHNOLOGY WILL SAVE YOU.
The e-learning Promise

e-learning is seen to be critical in providing

- the right skills training,
- to the right person,
- at the right time,
- in the right place.
Technology Enhanced Education

Flexible Learning

Computer Based Training

Pre-packaged Delivery

Mobile Learning

e-Learning

Ki te whakakaha i te iwi mā te ara mātata ki te whakawāhi i auaha nohona whakahao i runanga. Ki te whakahaunui, ki te whakawakawa, ki te whakamua i te whakahao.
Can't you do anything right?
Making it Simple

• You are to buy a box of coloured pencils as a gift.

• Q1: What range of colours can you buy?
• Q2: Can each of the colours be described?
ICT Accomplishment (Measure)

Assess

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

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

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

Action

ICT Awareness (Plan)
Two Dimensional

- QR code is presented in both the vertical and horizontal dimension (direction) (2D)
Connections generated by codes are reliable and robust.

Infrastructure facilitates the transfer of information between disparate information platforms and systems to mobile devices.
Download i-nigma Reader

Download i-nigma reader
The most widely used mobile barcode reader in the world!

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Get ready - check your mobile and your service
With the i-nigma reader installed on your mobile, you will be ready to decode mobile barcodes and connect direct to the mobile internet. To find out if the i-nigma handset software is available yet for your handset, click here to check our list of over 250 supported mobiles. Of course you will need internet service from your provider.

Now get the i-nigma reader - there are 2 easy ways

1. On the mobile web - Go to www.i-nigma.mobi on your mobile. I-nigma will automatically identify your handset type, download and install i-nigma.

2. By SMS - Text the word i-nigma to: +44 7797 882325 (or 07797 882325 in the UK). You will receive back an SMS containing a link to the i-nigma software download site.

Click here to see if your device is supported

* The i-nigma software and services are free for personal use. By downloading or installing i-nigma you automatically accept the terms of use. Please contact us if you want to use the i-nigma software in a commercial way.
Approach

1. Assess
2. Engaged
   - Learners have open access to interactive content at any time from anywhere.
3. Content
   - Learners have ready access to the contextualised content they need when they need it.
4. Action
5. Accomplishment
Scape

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

*Sea-scape, land-scape, media-scape.*... ... ...
Ensure Red Switch Is ON
External-Scape
MLE-Moodle

Please log-in!

MLE install (phone software)

Powered by MLE-Moodle
It's a library, honey—kind of an early version of the World Wide Web.
Contestable funding available for developments in OFNL

Recognised curriculum leader, appointed to lead initiative.

Internal and external teams created and communication channels between teams opened. (Capability needs in OFNL of all team members (internal/external) assessed

Team leaders, for the 3Cs, appointed

Progress measured

Leader reports on progress

Project review provides best-evidence case study for future developments in OFNL
“Well, that does it Charlie—we’ve outsourced everything.”
Questions