

Future of Education with Mobile Learning

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Learning Outcome

- Describe the future of education with mobile learning.
- Describe your role as a teacher in the evolving nature of education in a mobile world

Trends

- Emerging technologies - virtual devices
- Immediate assembly of learning materials
- User generated content
- Intelligent agents to adapt the interface for the learner
- Intelligent learning materials (e.g. learning objects) to cater for individual learner needs
- Open Education Resources (OER)
- Less use of textual materials – more multimedia
- Emotional computing
- Gesture-based interaction

Open Education Resources

Open Education Resources (OER)

- “OER are teaching, learning and research resources that reside in the public domain or have been released under an intellectual property license that permits their free use or re-purposing by others.” (The William and Flora Hewlett Foundation)
- “Open educational resources include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials or techniques used to support access to knowledge.” (The William and Flora Hewlett Foundation)
- Open educational resources (OER) are learning materials that are freely available for use, remixing and redistribution.

Benefits of OER

- Low cost to learners
- Social justice: Access by anyone
- Prevent duplication of effort

Open Access Book Download Statistics

Ally, M. (2009) Mobile Learning: Transforming the Delivery of Education and Training

<http://www.aupress.ca/index.php/books/120155>



Number of Downloads by Countries

- United States – 13,619
- Canada – 4,201
- India – 3,940
- United Kingdom – 3,098
- Malaysia – 2,489
- Australia – 1,272
- Germany - 916
- Iran - 780
- China - 697
- Brazil - 642
- France - 589
- Spain - 550

- Indonesia - 532
- Italy - 501
- South Africa - 497
- Saudi Arabia - 485
- Philippines - 422
- Egypt - 384
- Japan - 378
- Portugal - 374
- Netherlands - 346
- Korea, Republic of - 333
- Sweden - 331
- Mexico - 316

- Thailand - 285
- New Zealand - 232
- Russian Federation - 228
- Greece - 165
- United Arab Emirates - 155
- Nigeria - 151
- Kenya - 143
- Pakistan - 153
- Vietnam - 128
- Colombia - 107

Mobile Learning Open Access Book Download Statistics

- Total number of free downloads over three years = 61,200
- Number of countries that downloaded the book over three years = 63
- Number of print copies sold over 700

New Generations of Learners

- Online presence
- Now generation
- Virtual generation
- Social networking
- Games
- Digital experts
- Adapt to technology quickly
- Technology is second nature

Recommendations for Re-inventing Education

- Develop smart systems to cater for the needs of the learners
- Encourage creativity
- Because of information explosion, educate for “as needed” instead of “in case it is needed”
- Make the shift from information acquisition to knowledge creation to the development of wisdom
- Educate for the 21st century

Students 21st Century Skills (Ally, 2010)

- A. **Communication**
- B. Personal Skills
- C. Project Management
- D. **Continuous Improvement**
- E. Conflict Resolution
- F. **Problem Solving**
- G. **Information and Communication Technology**
- H. **Team Work**
- I. Interpersonal Skills
- J. Emotional/ Social Intelligence
- K. Personal Well-being
- L. Leadership
- M. **Globalization**
- N. **Research**
- O. **Critical Thinking**

***Access to open education resources using
mobile and ubiquitous technologies will
revolutionize education and change the world
(Ally)***