What is a Learning Ecology?

Ecology as a metaphor

Interaction with the world

Learning is fluid and doesn’t stop

ECOLOGY
“the scientific study of the relationships that living organisms have with each other and with their natural environment”

learning is formal and informal

open

dynamic

Interdependent

NETWORKS
Learning Ecology

Intent of Learning
Change / Transformation

Connectivism: Process of creating network

Formal
Experience, Games and Simulations
Mentoring and Apprenticing

Informal
Communities
Self-Learning

FILTERS
VALUES
BELIEFS
PERSPECTIVE

CONDUITS
LANGUAGE
MEDIA
TECHNOLOGY

DIMENSIONS OF LEARNING
NETWORK IS THE LEARNING
Learning about Learning to do Learning to be Learning to Transform

NETWORK VALUE:
integration, Multi-Dimension

LEARNING CONCEPTS
DATA
INFORMATION
KNOWLEDGE
MEANING
UNDERSTANDING
WISDOM
THE PerLE Platform

PerLE has been created and conceived at the Department of Languages and Educational Sciences with the aim of:

- Providing courses/support courses for Unical students + promoting collaborative learning
- Offering an environment for a COMMUNITY of users with emphasis on social media
- Development of OPEN ONLINE courseware

- PerLE is entirely OPENSOURCE
What does PerLE offer?

PerLe – from LMS to PLE

Concept + Functionalities

Course Environment
LEARNING MANAGEMENT SYSTEMS

>aTutor
>Canvas
>Chamilo
>Claroline
>Dokeos
>eFront
>Fedena
>ILIAS
>LAMS
>Moodle
>OLAT
>Sakai
>Totara LMS
>WeBWorK
We are now using Moodle 1.7.2+
by Jeff Crawford - Saturday, 25 August 2007, 04:45 AM

The Technology Department is pleased to announce that the EGRPS Moodle System has now been upgraded to version 1.7.2+

This is a significant upgrade from the previous version, 1.5.3+.

This is just a milestone upgrade. The Technology Department plans to perform one more Moodle upgrade before the start of the 2007-2008 school year.

Thanks,
Jeff Crawford
Manager of Networking and Security
East Grand Rapids Public Schools

Welcome to Moodle!
by Jeff Crawford - Sunday, 19 February 2006, 11:52 PM
Learning Management Systems

LMS – THE GOOD THINGS:

- Excellent “Learning Object” presenter
- Allows collaborative actions using Forums, Blogs, Wikis at course level
- Fulfills test and assessments, handles Grade books
- Fulfills Course and Student Management

LMS – THE NOT SO GOOD THINGS:

- Is a “one size fits all” approach, limited adaptation and personalization possibilities
- Alternative, student specific actions are not possible
- “State of the art” collaborative actions are difficult to realize
- Alternative learning object presentation based on learner needs is difficult to realize
LMS and Personal learning Environments: PerLE

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Some Considerations

1. Learning cannot be “managed”

2. One tool is not enough

3. Diversity is essential - we need other options
SO WE NEED......

Spaces for Learner expression
BLOGS
PORTFOLIO

Spaces for connection with other learners
Eg. FORUMS
DISCUSSION LISTS

Space for Dialogue with the instructor
Eg. Email - Skype

MODULARITY
Addition of functions and tools as required

Space to learn in a structured manner. Courses/Tutorials
PerLE Environment

Community

PerLE SOCIAL: "Entra a far parte della nostra social community..."

Courses

CORSI ON-LINE: Accedi ai nostri corsi.

Corsi in PerLE su tale piattaforma non è possibile autoregistrarsi

Corsi in Elea su tale piattaforma è possibile autoregistrarsi

Streaming

WebRadio

Fatti di PerLE
Blog farmacia-CTF

Media Education

Ri-educare la scuola

Progetto Calabria Friends-Returns
PerLE helps learners:

• **take control of** and **manage** their own learning

• **communicate** and **collaborate** with others in the process of learning
Study offers both institutionally created courses and open source courseware.

Create offers a series of webtools in support of learning.

Communicate allows users to present their work to others promoting exchange of models and approaches.

Collaborate makes available a series of networking tools such as video-conferencing and blogs, eliminating distances.
PerLE Environment

[Logos of LAMS, Moodle, and Xerte]
So what are the possible advantages of using LMS and personal learning environments for CLIL teaching and CLIL support (in BLENDED FORM)?
The 4Cs framework for CLIL (Coyle, 2005).
CLIL – THE 4 Cs.

CONTENT – Subject – Theme - what knowledge? What skills?

COMMUNICATION – using TL to communicate thought, opinions
– «learn to use language and use language to learn» (Coyle)

COGNITION – Engage with content – Solve problems – reflect on learning

CULTURE – participation in a learning community and awareness of own and other cultures – citizens of the world
1. CONTENT.

Subject matter is not only about acquiring knowledge and skills, it is about the learner constructing his/her own knowledge and developing skills (Lantolf, 2000; Vygotsky, 1978);
2. COGNITION

Acquiring subject knowledge, skills and understanding is related to learning and thinking (cognition). To enable the learner to construct an understanding of the subject matter, the linguistic demands of its content must be analysed and made accessible (Met, 1998);
Thinking processes (cognition) need to be analysed for their linguistic demands (Bloom, 1984; McGuinness, 1999);

Language needs to be learned in context, learning through the language, reconstructing the subject themes and their related cognitive processes e.g. language intake/output (Krashen, 1985; Swain, 2000);
Interaction in the learning context is fundamental to learning. This has implications when the learning context operates through L2 (Pica, 1991; van Lier, 1996);
Some practical examples of PerLE in use

The MOODLE ENVIRONMENT in use - blended

A SUMMARY WRITING COURSE – blended