Nurturing communities of inquiry: a showcase of DojoIbL

Technology Enhanced Learning Innovation (TELi) Department

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Background

Social constructivism

IBL

Constructivism
Curiosity
Construct knowledge
Phases

Social constructivism

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Motivation

- Key aspects
  - Lessons learned from weSPOT
    - Technological problems
  - Shortcomings in existing platforms
    - Social component
    - Social, process and activity awareness
    - Inquiry cycle
    - Regulatory process
Contribution

Dojo IBL

Technological

Open Source

Instant messaging

Manipulation of data

Pedagogical

Process visualization

Notifications

Timeline

Self-directed learning

Scaffolding

Regulatory process

Roles'

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Design

Clean and intuitive interface
Responsive
Built on top existing frameworks
Process visualization
Practical example
Technology & pedagogy

Instant messaging

Just in context (Scaffolding)

Community of inquiry

Cognitive presence

Social presence

Teacher presence
Technology & pedagogy

Timeline

Process awareness
Chronological overview
Monitoring
Self-regulation

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Inquiry cycle
- Learning processes
- Overview of the phases
- Visual reminder of Inquiry process
- Flexible representation

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Regulatory process

Inquiry structure configuration

9 activity types

Flow adaptations during inquiries

Inquiry evolves over time

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Data driven visualizations

*In house* concept mapping

Collaborative process

Reuse concepts within the inquiry

CSS & javascript
Questions

Don’t be afraid of the saying ‘Curiosity killed the cat’… because ‘satisfaction brought it back’ 😊
Contact

Thank you very much for your attention

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