Tools and frameworks for scripted collaborative learning
collaboration scripts

“A Collaboration script is a set of instructions prescribing how students should form groups, how they should interact and collaborate and how they should solve the problem.”

Dillenbourg, 2002
requirements of learning design

• Phase 1: Profiling
  – What does the learner already know?
  – Where does the learner need/want to be?
  – How does my learner best learn?

• Phase 2: Strategising
  – What resource do I have at my disposal?
  – What will constitute the learning journey?
  – Who will do what?

• Phase 3: Ascertainment
  – How will I check to see my learner has achieved the learning outcomes?
  – How will I inform my learner and others about the learner’s progress
IMS Learning Design (IMS-LD)

IMS-LD is a specification for a metalanguage which enables the modelling of learning processes.

The specification is maintained by IMS Global Learning Consortium and origins in the Educational Modelling Language developed at the Open University of the Netherlands.
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1: What does the learner already know?
1: Where does the learner need/want to be?
1: How does my learner best learn? -> Strategy
2: What resource do I have at my disposal?
2: What will constitute the learning journey?
2: Who will do what?
3: How will I check to see my learner has achieved the learning outcomes? How will I inform my learner and others about the learner’s progress?
Level A

Level B

Level C
editors

- RELOAD
- CopperAuthor
- ASK-LDT
- MOT+
Collage

Prolix Graphical Learning Modeller

Users:
Teacher support for teachers and learners.

Tools:
Constrained LD editors. Specialized schemas.

Close to specification

Users:
Teachers adapting units of learning. Authors of new units of learning with constrained pedagogy or learning resources.

Tools:
Custom built, database driven.

Distant from specification

Users:
Technical support in educational institutions. Content generation experts.

Tools:
Generic XML editors. Unconstrained LD editors.

Reload LD editor

Recourse

General purpose tools

MOT+
RELOAD Learning Design Editor

http://www.reload.ac.uk/supp/ldeditor_shot1.gif
MOT+

Supports OWL-DL, Databases, ...

ASK Learning Designer Toolkit (ASK-LDT)

http://www.ask4research.info/Site_Images/Products/ask_ldt.jpg
ASK-3D-Virtual-Classroom

ASK-Mobile-Moodle