Proposal

● Arrangement of learning method use cases
  ○ Incl. break down to functions and data items

Goals

● To establish templates of activity sequence for variations of learning methods
● To feedback to EDUPUB discussion to nominate neccessary data
Learning Method: Teacher / Learner View

- Feedback, diary, Q&A
- Speech, debate, inquiry-based learning
- Collaborative Learning, peer learning
- Problem-based Learning, Project-based Learning

Specification: Engineering View

- Data items / format
- Protocol

How to relate them?

- Hierarchical Analysis
- Method -> Activity -> Tool -> Data
Analysis Example: Peer Learning

Method

Atomic Activity

Teacher Shows assignment
Learners Tackle assignment
Learners share their results
Discussion
Recap Discussion

Tool

● Assignment Disclosure
● Peer Viewing
● Discussion
● Reaction Report

Data etc.

● Human ID ○ Authority
● Material ID ○ Body text ○ Attached
● Utterance ○ Human ID ○ Time ○ Body text ○ Role ○ Attached

Peer Learning
Available Resources

- Actual educational method trainers
- Textbooks, workbooks …
- Learning technology researches
- TEAL examples
  - Technology enabled Active Learning
- CSCW researches
  - Computer Supported Cooperative Work