From CSCL Classroom to Real-World Settings through Project-Based Learning

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Linking classroom learning with the fields

- How can students link their knowledge with real-world problem effectively?
  - Project-based learning (PBL) promotes students’ engagement, in-depth understanding, sustainable inquiry.
  - CSCL environment facilitates collaboration within the project.

- What are the key design requirements of PBL course to promote linking classroom learning with the fields?
The course

- **Course**: Concentrated elective course for undergraduates majoring in cognitive sciences. Students reinforced their cognitive science knowledge about how people learn and conducted class observational projects.

- **Objective**: Observe and evaluate the class from the cognitive science point of view and make suggestions to improve the class.
Three requirements for effective PBL design

We investigated knowledge integration level of students and identified three requirements.

- **Parallel-structured course** involving both disciplinary and project activities.
- **Reality** of the project activities.
- **Accessibility** of the project content.
Projects in the Nagoya City Science Museum

We would like to present …

- Three requirements focusing on students’ activity process in the projects.

And would like to discuss …

- How our findings should guide the development CSCL-based, PBL course.