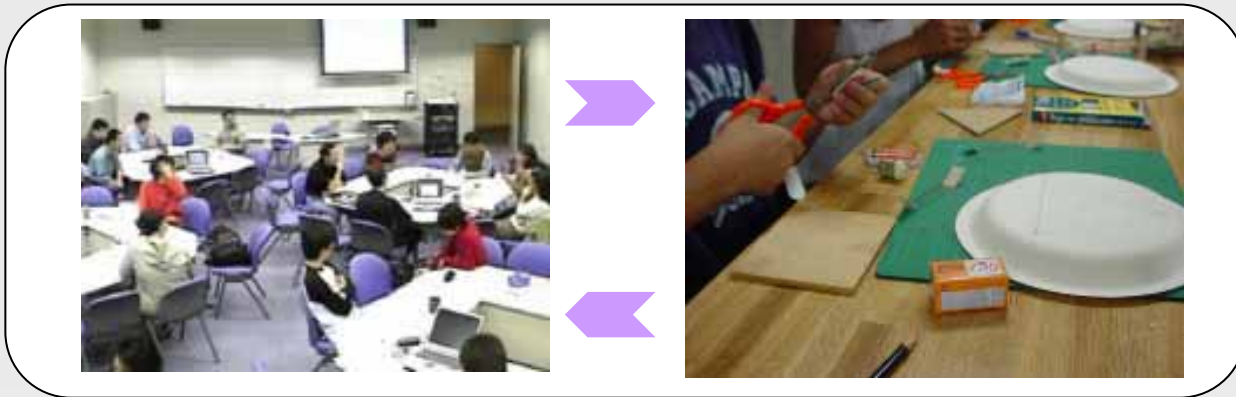


# From CSCL Classroom to Real-World Settings through Project-Based Learning



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# Linking classroom learning with the fields

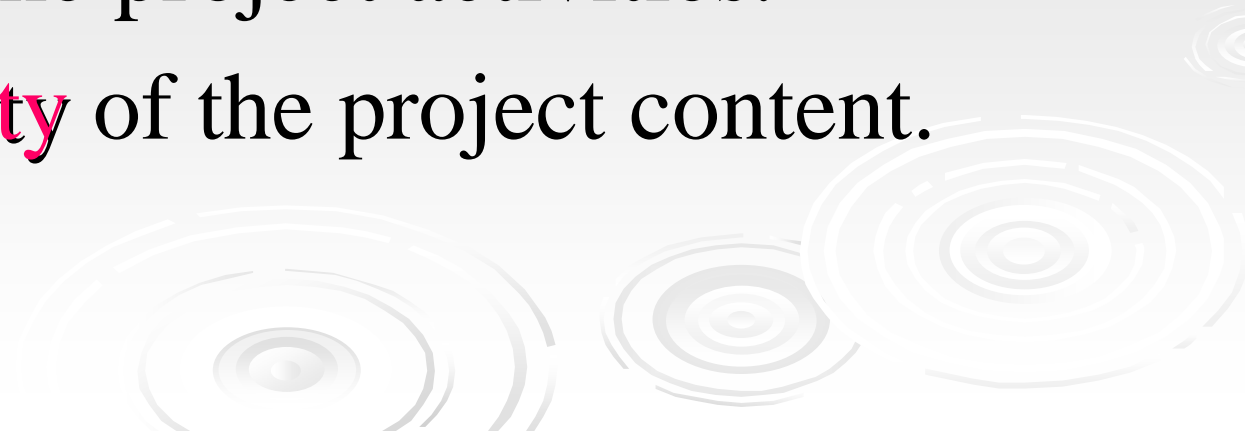
- How can students link their knowledge with real-world problem effectively?
  - Project-based learning(PBL) promotes students' engagement, in-depth understanding, sustainable inquiry.
  - CSCL environment facilitates collaboration within the project.
- What are the key design requirements of PBL course 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.
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# 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.

