

Part B Project Summary

Project Title: Game-based Collaborative Inquiry Learning between Hong Kong and Beijing Primary Schools

Project Number
2009/0314 (Revised)
(To be assigned by the EPMS)

Name of Organization: Centre for the Advancement of Information Technology in Education (CAITE), CUHK

1. Goals: This project aims at promoting the establishment of learning partnerships among Hong Kong and Beijing schools for motivating Primary-5 students to participate in collaborative inquiry learning by engaging them in an online interactive game-based learning environment—*Learning Villages (LV)*.

Objectives:

- To activate students' interest in collaborative inquiry learning.
- To promote cultural exchange between students from Hong Kong and Beijing.
- To facilitate students to acquire subject-specific knowledge in the KLA (Key Learning Area) of "Personal, Social, and Humanities Education."
- To enhance students' higher-order thinking skills for problem solving.
- To establish networks of learning among schools in Hong Kong and Beijing.
- To study the effectiveness of collaborative inquiry learning through an online interactive game-based approach.

2. Targets: 20 primary schools (10 from Hong Kong, 10 from Beijing; 4 classes from each school)

Expected number of beneficiaries:

- Students: 2800 (1400 from Hong Kong, 1400 from Beijing)
- Teachers: 80 (40 from Hong Kong, 40 from Beijing)

3. Implementation Plan:

(i). Duration: October 2010 – September 2011

(ii). Process and Schedule:

Preparation Stage
10/2010 – 11/2010

- Finalization of the selection of primary schools (in Hong Kong and Beijing) to participate in the project.
- Formation of the project's steering committee.
- Technical preparation (customization of LV, creation of teachers' and students' accounts, etc.)
- Training sessions to teachers from Hong Kong.
- First educational visit to Beijing (training for teachers from Beijing).

Implementation Stage
12/2010 – 6/2011

- Collaboration between students from Hong Kong and Beijing on their collaborative inquiry learning (issue-based discussion) in LV.
- Teachers' ongoing learning facilitation.
- Second educational visit to Beijing (exchange visit).

Completion Stage
7/2011 – 9/2011

- Dissemination seminar and exhibition.
- Report writing

(iii). Collaboration with other parties / partners:

Local collaborators: (1) H.K.T.A.Y.Y.I. Chan Lui Chung Tak Memorial School; (2) C.C.C. Kei Wai Primary School; (3) Kwok Man School; (4) Canossa Primary School [San Po Kong]; (5) Shek Wu Hui Public School; (6) S.T.F.A. Ho Yat Tung Primary School [P.M.]. (Remark: More schools will be recruited as collaborators of the project.)

Non-local collaborator: Department of Educational Technology, Peking University

4. Products:

- Deliverables/outcomes:** 2800 students with enriched subject-specific knowledge and enhanced higher-order thinking skills; 80 well-trained teachers who are able to facilitate students' inter-school collaborative inquiry learning in LV; exemplars of students' collaborative inquiry project works; a project report; local, global Chinese, and international journals.
- Dissemination of deliverables / outcomes:** Dissemination seminar; release of students' collaborative project works for public's reference; participating teachers' experience sharing in educational seminars; organiser's presentations and invited talks in academic conferences, publications in local, global Chinese, and international journals.
- Commercialization potential of deliverables / outcomes:** Use of products produced by participating students in LV as examples to help future participants learn in LV.

5. Budget: Total expenditure: HK\$599,000 [Breakdown: (a) staff cost \$406,728; (b) equipment \$17,000; (c) services \$101,650; (d) general expenses \$73,622]

6. Evaluation:

- Performance indicators:** The key elements measuring students' performance in collaborative inquiry learning will be evaluated. The elements include in-process and project-end reflection, communication and collaboration artefacts, knowledge application, higher-order thinking skills for problem solving.
- Outcome measurement:** In order to monitor the quality and effectiveness of the implementation, a steering committee composed of external reviewers including researchers and practitioners will be set up to oversee the progress of the project.

