

Part B. Project Summary

Project Title: Promoting a collaborative teaching approach to inquiry project-based learning with Web 2.0 at upper primary levels (Project Number to be assigned by the EPMS)

Name of Organization: Faculty of Education, The University of Hong Kong

(1) Goals and objectives:

This proposed project aims to promote the integration of students' knowledge and skills across discipline areas through a new mode of teaching and learning, where teachers work collaboratively as a team and students take part in an inquiry project based learning (PBL), enhanced with Web 2.0 tools. The objectives include (1) to implement the collaborative inquiry PBL approach in three local schools with top, average and low academic performing students; (2) to conduct suitable training programmes for the teachers and provide adequate scaffolding support to equip them with the implementation of the new teaching and learning method; (3) to heighten students' information and media literacy through an online learning environment; and (4) to describe the effects of the programme on the students and the development of the programme as experienced by the teachers.

(2) Targets: The expected number of beneficiaries includes initially the upper primary students (P4 and P5) of the target schools and their parents, and educators in the 4 local primary schools with a wider dissemination as the project matures.

(3) Implementation Plan:

- i. Duration: 2.5 years
- ii. Process / Schedule: Action-research-based project in eight stages (see attached plan for details)

(4) Products:

- i. Deliverables:
 1. A comprehensive and detailed research report in monograph form describing the project rationale and findings;
 2. A project website which exemplifies innovative and effective practices in collaborative inquiry PBL in schools in Hong Kong and the processes involved in promoting this.
 3. A Web 2.0 learning platform including Wiki and blog.
- ii. Commercialization potential of deliverables / outcomes:
There is great potential for the project results to be marketable to other local and non-local primary schools.
- iii. Dissemination of deliverables / outcomes:
 1. A one-day symposium (or seminars) which report(s) on the results of the project and pedagogical implications for inquiry PBL with and without Web 2.0 in local schools will be held.
 2. Additional workshops can be offered to schools and teachers interested in the project.
 3. The project website will be promoted to a wider international audience.

(5) Budget

(a) Staff cost:	HK\$	1,274,550.00
(b) Services:	HK\$	1,524,009.00
(c) Equipment:	HK\$	76,400.00
(d) General expenses	HK\$	94,000.00
(e) Contingency	HK\$	4,941.00
Total HK\$		<u>\$2,973,900.00</u>

(6) Evaluation:

- i. Performance indicators (indicators of success will be measured by):
 1. Enhanced teachers' capacity in applying this new approach of teaching and learning to guiding their students through inquiry PBL with and without Web 2.0.
 2. Students' improvement in the core skills and abilities outlined in Section 4, Goals and objectives, and evidence of higher-quality student group projects.
- ii. Outcome measurements:
 1. Questionnaires and individual (or focus group) interviews will be administered with participating teachers, school librarians, students and their parents, and other members of the schools involved in the project to examine the impact of the project at every stage. This will be triangulated with field notes and other observational data gathered by the researchers in the research team for a more thorough and objective analysis.
 2. Students' performance in the inquiry group projects will be evaluated on the basis of grades matched against criterion-referenced descriptors co-developed by the research team and the schools.
 3. The evaluation model to be applied is recommended by the QEF, with clearly designated indicators and measures of success developed as a result of the questionnaires of major stakeholders.