. .t B Project Summary

Project Title: Pedagogical Use of IT and Outcomes of Students' Computer and Information Literacy – Hong Kong participation in ICILS

Name of Organization: Division of Information and Technology Studies (I&TS), Faculty of Education, the University of Hong Kong

(1) Goals and objectives:

(1) To benchmark HK students' computer and information literacy (CIL) skills and pedagogical use of ICT in HK classrooms using the international comparative data collected from ICILS. (2) To identify the macro-, meso-, micro-factors and classroom implement characteristics that contribute to HK students' achievement in CIL, and to explore the similarities and differences between HK and other participating countries in these characteristics and their relationships with students' CIL outcomes. (3) To disseminate the research findings in ways that will contribute to evidence-based policy decisions related to ICT in education at system and school levels, to professional development for teachers on good pedagogical designs and assessing methods for CIL, and to inform publishers and education developers on good designs for digital education resources to support CIL skills development based on the findings.

(2) Targets: the sample sizes required are at least 150 primary schools and 150 secondary schools in Hong Kong

Expected number of beneficiaries: policy makers, teacher educators, principals and teachers in primary and secondary schools, publishers, education software developers, parents and students

(3) Implementation Plan:

(i) Duration: 24 Jun, 2011 -23 Sept, 2015

(ii) Process/Schedule: The various components of this project will be conducted under the auspices of the IEA, and the study has already started. The key schedule of activities for this project will be:

Project period	Description
Jun 11 – Dec 11	• Communicate with IEA & ICILS Study Centre to arrange for HK's participation • Identify HK specific research questions and to develop appropriate items • Preparation for national context survey, collect information and develop sampling plan • Translate research instruments, verify the accuracy of the translated instruments
Jan 12 – Feb 12	• Finalize translated instruments, upload survey instruments to DPC online system • Finalize sampling plan, preparation for field trial
Mar 12 – May 12	• Conduct field trial
Jun 12 – Feb 13	• Compilation, cleaning and analysis of field trial data • Refinement of the research instruments • Main survey preparation and confirmation of participation of sampled schools
Mar 13 – May 13	• Conduct Main Study
Jun 13 – Nov 13	• Scoring of student work • Data preparation and data cleaning • Submit online response to national context survey
Dec 13 – Oct 14	• Analysis of main survey data from HK • Preparation of Hong Kong local report
Nov 14	• Release of international report • Internal release of international dataset for analysis by NRCs
Nov 14 – Mar 15	• Secondary analysis of international database to answer research questions for HK • Prepare study report for HK incorporating international findings
Mar 15	• Release of international database and technical report by IEA
Mar 15 –Sept 15	• Prepare for project deliverables, and organize territory-wide dissemination activities to disseminate the ICILS findings

(iii) Collaboration with (1) other parties / partners: The project team will collaborate with the IEA, DPC, and ICC on conduct of study, (2) local partners incl. EDB, principals, teachers and publishers.

(4) Expected deliverables and outcomes:

A report of the HK ICILS results and key international findings, one tailor-made report to EVERY participating school, a press conference, customized sets of dissemination materials targeting at different stakeholders, seminars and workshops, dissemination activities targeting at different stakeholders, and a dissemination website

(5) Budget

Staff Cost	Equipment	General Expenses	Services	Participation Fee	Contingency	Total
$2,914,457	$159,890	$504,200	$404,738	$2,115,000	$95,515	$6,193,800

(6) Evaluation: (Performance indicators & Outcome measurements)

• Liaise with the IEA to ensure that the quality of this research can meet all the stringent quality control demanded by the International Coordination Centre (ICC)

• A steering committee including school principals, teachers, and government officers will be set up to monitor and evaluate the progress of the project

• The extent to which the dissemination materials and activities are found to be useful to the different stakeholder groups will be collected through surveys distributed to participants at the various activities and online channels.