

**Quality Education Fund
Application with Grant Sought Not Exceeding \$150,000
Application Form --- Part II: Project Proposal (Revised)**

Project Title	Project Number
A Research for investigating the readiness of a school to adopt mobile learning technologies to unleash the learning power suggested by "The Forth Strategy on Information Technology in Education" consultation document	2013/0607

Basic Information

Name of School / Organisation- / Individual

Lions College

Beneficiaries

- (a) Sector: Pre-primary Primary Secondary Special *(Please tick)*
- (b) Students: 860 (in number)* and S1 - S6 (class level/age)*
- (c) Teachers: 60 (in number)*
- (d) Parents: 1720 (in number)*
- (e) Participating Schools (excluding applicant school): 0 (in number and types)*
- (f) Others (please specify): We are going to share our developed research tools with explanations for other schools to investigate their readiness to adopt mobile learning to support the implementation of " The forth strategy on Information Technology in Education"

Proposal

(I) Project Needs

- (a) Please state the aims of the project in clear and concise terms.

To prepare our school for better implementation of "The Forth Strategy on Information Technology in Education", through a stock taking research for investigating our readiness for adopting the new mobile technologies to improve the quality of learning and teaching. This investigation will involve all teachers, students and their parents to find out their needs and expectations such that we could better fulfill their needs when implementations are made.

- (b) (i) What are the areas of the needs and priorities of the school?
 - Enhance school management / leadership and teachers' professional development / wellness

- (ii) Please give background information to justify the demonstrated needs as mentioned in (b)(i).
- School development plan: Using e-learning platforms properly to deepen our e-learning culture are major concerns in our past 3 years' school IT development.
 - Relevant experiences: Our school has completed several QE-fund funded school base research in past few years. Our teachers have a tradition of doing researches to improve their teaching. All of our IT teachers and IT technicians have studied Information Technologies in higher education and have the capability to carry out related researches.
 - Others (please specify) As the Education Bureau of Hong Kong has just announced "The Forth Strategy on Information Technology in Education" consultation document, which suggested to enhance the WiFi infrastructure of schools to support learning and application of e-textbooks and e-learning resources in class, the subject of proper application of Mobile Devices with wireless connectivity in daily school operations is getting more important then ever.
- (c) Please elaborate the innovative ideas or new practices to enhance, adapt, complement and/or supplement the existing practices of the school.

We believe that a good preparation is essential for our school to get success in the implementation of "The Forth Strategy on Information Technology in Education", thus a research for investigating our readiness for adopting the technologies is valuable for planning purpose.

With this research we could :

1. Find out potential benefits to students if mobile learning technologies are being adopted.
2. To develop a tool set to understand the current situation of a school in terms of readiness to adopt mobile technologies such that the potential benefits could be gained.
3. Giving suggestions to our school management base on the investigation finding to improve our readiness for adopting new mobile technologies.
4. Detailed suggestions on how the technologies could be applied to daily lessons would be listed clearly for ease of future implementation.

(II) Project Feasibility

- (a) Please describe the design of the project, including:
- (i) Approach/Design/Activity

The research will be carried out in 3 phases:

Firstly, by Literature review and case studies to find out potential benefits to students if mobile learning technologies are being adopted. Both local and international cases of various types of schools could be reviewed to have a thorough understanding of the issue.

Secondly, by designing appropriate research tools such as questionnaires and guidelines for teachers, students, technical staffs and parents, to understand the current situation of a school, in terms of its readiness in adopting mobile technologies. The investigation is going to investigate:

- (i) Teachers' and students' habit and culture in learning and teaching;
- (ii) School managements' view on applying technologies in different Key Learning Areas;
- (iii) Technical staffs' views on facilities requirements;
- (iv) Parents' view on problems and expectation in adopting mobile devices.

Finally, by analyzing data being collected, a summary report on current situation will be completed and suggestions for proper adoption of new mobile technologies will be suggested and implemented in future by our school. Detailed suggestions on how the technologies would be applied such as applicable area, topics, possible paradigm shift in learning and teaching, procedures of proper management of devices and development plan would be listed clearly for ease of future implementation.

Initially, the following domains of study are proposed to be included in the stock taking research:

Domain 1 : Facilities

- Standard for connectivity / sufficient bandwidth
- Standard for sufficient battery life of devices / suitable charging method
- Appropriate Screen Size / ease on delivery and security issue
- Sufficient Memory Size of device
- Sufficient Memory Size of content servers / Cloud Storage
- Setup / restore / backup / syncing strategy

Domain 2 : Teachers

- Availability and experience on using Multimedia teaching materials
- Experience on providing situated learning activities / engaging students to learning activities through the use of multimedia
- Experience on provide continuous learning experience / interact with students through various social medias
- Experience on providing rewarding learning experience / successful demonstration by students with / without the aid of mobile devices.
- Experience on providing learning opportunities outside classroom with / without aid of mobile devices.

Domain 3 : Students

- Time management habit
- Online Habit : Time / Interaction / sites
- Content Viewing Habit : Books / Notes / Screens / Mobile Devices
- Output Habit : Writing / Presentation / Picture

Domain 4 : Parents

- Device Ownership Issue
- Financial Issue
- Problems arose
- Expectations

Domain 5 : Policies

- Current state and expectations to apply m-learning & e-learning in different KLAs
- Financial Issues on purchase and continuous support of facilities
- Moral Issues & Mobile Device Policies for students
- Copyright & Privacy Issues for staffs and students
- Staff Training needs
- Student Training needs

However, the actual items in the survey will be set after a more thorough understanding with the completion of literature review.

(ii) Key Implementation Details

Project period: 2/2015 (month/year) to 12/2015 (month/year)

Month / Year	Content / Activity / Event	Target Beneficiary/Participants
2/2015 – 3/2015	Literature reviews and interviews with local teachers with piloting experience. (Summary report on potential benefits on M-Learning will be written)	4 teachers: - 1 Project coordinator - 3 Research associates
3/2015 – 4/2015	Questionnaires design & preparation (Well-designed tool set of Questionnaires for different stakeholders will be set)	School Management / 60 Teaching staffs / 3 IT Technicians / 720 Students / 720 Parents
5/2015	Conduct survey & raw data input (Raw data collected in digital form)	School Management / 60 Teaching staffs / 3 IT Technicians / 720 Students / 720 Parents
5/2015 – 7/2015	Data analysis (Summary report on current situation of our school will be compiled)	4 teachers: 3 Research associates / 1 Project coordinator
8/2015 – 10/2015	Discussion on suggested actions to narrow the gap (Conclusion report with suggestions to our school will be written)	School Management / 60 Teaching staffs
12/2015	Publish the result on the web (Website of our research project with tool-set download	3 Research associates / 1 Project coordinator 3 IT Technicians /

- Focused group interviews: interviews with chief panel heads of different key learning areas and school managements to see if the suggestions from the conclusion report can help them understand the technology and assist them in planning their coming year's teaching plan.
- Pre- and post-activity surveys: surveys on teachers' altitude towards mobile learning devices will be given before and after the research report being published to see if they have improved their understanding in the technologies with application of mobile devices in their teaching.

and (ii) Please state the project deliverables or outcomes.

- Resource package
- Others (please specify) Research reports commenting and explaining the findings and tools set of questionnaire helping schools to investigate their readiness in the subject of adoption of mobile technologies. Our school will also implement the suggestions of the report to improve our readiness for adopting mobile learning to support the implementation of "The forth strategy on Information Technology in Education". An action plan will be prepared for the next academic year.

(IV) Report Submission Schedule

My school commit(s) to submit proper reports in strict accordance with the following schedule:

Project Management		Financial Management	
Type of Report and covering period	Report due day	Type of Report and covering period	Report due day
Final Report 1/2/2015 - 31/12/2015	31/3/2016	Final Financial Report 1/2/2015 - 31/12/2015	31/3/2016