

**Part B Project Summary****Project Title:** *(Please fill in the blank)*

教師聲線病患「計算器」: 減低教師患上聲線毛病的機會

**Teacher Voice Risk Calculator: Reducing The Risk Of Developing Voice Problems In Teachers****Project Number**

2006/0127

(To be assigned by the EPMS)

**Organization:** University of Hong Kong/Faculty of Education/Centre for Communication Disorders**(1) Goals:** To prevent and reduce voice problems in Hong Kong teachers

**Objectives:**(i) To develop a Teacher Voice Risk Calculator to identify teachers who are at risk of voice problems  
 (ii) To prevent and reduce voice problems in teachers by using appropriate strategies for coping with difficult classroom acoustics  
 (iii) To prevent and reduce of voice problems in teachers by providing voice training workshop and internet resource support

**(2) Targets:**

**Expected number of beneficiaries:** All teachers in Hong Kong can benefit from the Objectives i and iii. Selected (80) schools will benefit from Objective ii.

**Immediate beneficiaries:**

- a) About 12,000 teachers will immediately benefit from Objective i
- b) 80 schools will immediately benefit from Objective ii.
- c) 16 schools with approximately 440 teachers will immediately benefit from Objective iii.

**(3) Implementation Plan:****(i) Duration:** 30 months.**(ii) Schedule:**

I (Sep 2007-Jul 2008): Objective i.

II (Sep 2007-Jul 2009): Objective ii for 80 schools over 80 academic weeks.

III (Jul 2008-Sep 2009): Objective iii during the summer holidays (Jul-Sep 2008 and Jul-Sep 2009).

IV (Sep 2009-Feb2010): Data analysis, report writing and information dissemination through seminars

**(iii) Collaboration:** Principals and teachers from 16 schools have agreed to collaborate**(4) Products:**

1. A Teacher Voice Risk Calculator that assists teachers to identify and eliminate/reduce risk factors associated with voice problems in classroom teaching will be developed. This will be available on a web site for public free access.
2. Information and materials on reducing risk in developing voice problems in classroom teaching and on voice hygiene and protection specifically designed for teachers will be available on the internet.
3. Information about the products will be disseminated through a) the mass media in the form of press conferences and press releases, and b) international conferences.
4. Manuscripts based products (1) and (2) will be submitted to and published in international peer-reviewed journals.
5. Reprints or extracts of the reports together with the relevant voice protection information will be distributed to all schools in Hong Kong.
6. It is expected that the prevalence of voice problems in teachers will be reduced in the long-run through:
  - i. Early identification of at-risk teachers using the Teacher Voice Risk Calculator;
  - ii. Implementation of appropriate strategies to overcome difficult classroom acoustics;
  - iii. Provision of voice training and internet support for teachers.

**(5) Budget:**

Staff cost	\$ 409,500
Equipment	\$ 32,500
General expenses	\$ 24,100
<b>TOTAL</b>	<b>\$ 466,100</b>

**(6) Evaluation:**

**(i) Performance Indicators:** Product produced: a) Teacher's Voice Risk Calculator; b) training program for prevention of voice problems for teachers; c) Internet Voice Resource Centre

**(ii) Outcome measurements:** a) Validation of Teacher Voice Risk Calculator against scores obtained from a quality of life measurement (Voice Activity and Participation Profile -VAPP; Ma & Yiu, 2001). b) Evaluation of the voice training program and the Internet Voice Resource Centre using VAPP scores and teachers' vocal health as assessed by perceptual and instrumental measurements two months and one year after the completion of the workshops.