

Part B Project Summary

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| Project Title: Smart Practice for Healthy Vision for School Children | Project Number: 2009/0408 |
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Name of Organization: School of Optometry, The Hong Kong Polytechnic University

(1) Goals: Through the promotion of a series of vision screenings and visual health educational activities to establish a culture of 'Smart Practice for Healthy Vision from childhood'. The campaign raises the awareness of myopia development and prevention for parents, teachers and school children so that better visual habits and reading style can be enforced, leading to prevention of severe myopia and their detrimental consequences among school children.

Objectives:

1. **Teacher/School professional development:** Encourage school children, teaching staff and parents to be concerned and involved in the understanding of related visual problems such as myopia development and the impending impact on vision with the use of e-books.
2. **Community Service:** Establish the service needs of myopia problems among school children. Through the promotion of visual health, the project aims to establish good reading style in school children, elevate the school children's visual health awareness in all aspects. The long term goal is to reduce the incidence of myopia in the community.
3. **Select Study:** Through the vision screening, e-book study and related questionnaires, update the information on the current status of myopia prevalence among school children. Establish the best practice for using e-book. Based on these latest data, educational booklets "Myopia and you" and 'Smart use of e-book' for school children will be produced for distribution to schools.

(2) Target Population: Around 7600 primary and secondary school children, parents and teachers, covering 20 schools.

(3) Implementation: (24 months)

1. Hold educational seminars to enable teachers, parents to have a better understanding of myopia development, prevention and treatment options.
2. Conduct vision screening, questionnaire on school children's visual habits and evaluate the visual function changes in the use of e-book. With such information, develop booklets "Myopia and you" and "Smart use of e-book" to arouse school children's interest in protecting their vision. Games and competition activities to engage school children in understanding the importance of vision health and encourage them to enjoy studying and reading in a healthy manner.
3. Provide eye examination and health advice for needed children.

(4) Anticipated results and products

1. Enrich the knowledge of teachers, parents and school children on myopia and visual concerns in using e-books.
2. Produce a "Smart Practice for Healthy Vision" educational pack (leaflets, brochures, exhibition posters etc.) together with two booklets mentioned above. All the materials will also be available on web.
3. Analyses of screening and questionnaire reports and conduct press conference/study report.

(5) Budget

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| 1. Staff | \$1,357,600 |
| 2. Equipment | \$77,000 |
| 3. General expenses including overheads | \$218,000 |
| 4. Publicity and promotion | \$100,000 |
| Total | \$1,752,600 |

(6) Evaluation

1. The attendance and feedback from the teachers and parents of the education seminars.
2. The number of participating schools and school children
3. Questionnaire to gather comments from teachers and parents on the booklet content
4. Select Study Report: Analyse and publish screening data and questionnaire in the format of press conference and scientific manuscript submission