

**Part B Project Summary****Annex**

**Project Title:** Developing a computer-based Theory of Mind (ToM) instructional program for the students with Autism Spectrum Disorders (為自閉症兒童而設的想法解讀電腦教學計劃)

**Project Number**  
2011/0237

**Name of Organization:** Hong Kong Institute of Education

**(1) Goals:**

The aim of this project is to develop a computer-based ToM instructional program for the students with ASD to enhance their generalisation skills. The specific objectives of the project are: (1) to compile the existing teaching materials for students with ASD into a multimedia computer program for interactive learning. The computer will consist of the recognition of emotions, appropriate responses to real life situations through quizzes and games; and (2) to assist the students with ASD to generalize the learned knowledge and skills into real life situations; and (3) to conduct a study to validate the effectiveness of the computer program.

**(2) Targets:**

Expected number of beneficiaries:

- (i) 21 ordinary and special schools (training programme)
- (ii) All primary and special schools (dissemination seminar)

**(3) Implementation Plan:**

(i) Duration: 1 October 2012 to 31 March 2015 (30 months)

(ii) Process / Schedule:

Phase 1 (October 2012 to August 2013)

- Notifying schools to participate in the project
- Identifying children for training
- Designing the multimedia computer learning materials
- Planning the delivery of the training programs for children with ASD
- Trying out the multimedia materials
- Revising the content and activities of the computer program

Phase 2 (September 2013 to March 2015)

- Inviting interested schools to participate in the training program
- Conducting instructional program for target children
- Arranging cross-site visitations for peer observation
- Compiling the materials for the final version of the computer program
- Preparing the materials to be presented in the dissemination seminars
- Conducting seminars for teachers

**(4) Products:**

- (i) A workshop for teachers of participating schools
- (ii) A multimedia computer program
- (iii) A school-based training program for children with ASD
- (iv) An evaluative report of the effectiveness of the computer program
- (v) A dissemination seminar for teachers of ordinary and special schools

**(5) Budget:**

- (i) Staff Costs: \$567,000
  - (ii) Services: \$1,374,726
  - (iii) General Expenses: \$353,074
- Total amount: \$2,294,800

**(6) Evaluation:**

- (i) Performance indicators:
  - Evaluative feedback on the observation of each teaching lesson in the peer visitation
  - Reflective reports on using the proposed computer-based activities
- (ii) Outcome measurements:
  - The effectiveness of the new teaching package on teaching students with ASD
  - The applicability of the checklist to design teaching programmes to students with ASD