

## Part B Project Summary

Project Title: "Interactive Sensory Program for Affective Learning (InSPAL) ---- Using SMART Ambience Environment to establish basic generic skills for SEN students"  
 互動「智境」學習計劃 ---- 為有特殊學習需要學童建立基礎共通能力

## (1) Goals:

- (i) To strengthen the severely intellectually disabled (SID) students' pre-learning abilities by exploiting the affective dimension of learning and promoting their generic skills.
- (ii) To promote SID students' self-awareness and behaviors which impact upon students' learning.
- (iii) To assess the effectiveness of the Interactive Sensory Program for Affective Learning (InSPAL) for SID students.

## Objectives:

- (i) To extend attention span and expand affect (emotional) responses of students with SID.
- (ii) To develop their communication abilities.
- (iii) To assist them to explore their environment.
- (iv) To decrease their undesirable self-stimulatory behaviors.
- (v) To set up an InSPAL learning environment and the associated teaching & treatment protocol.

## (2) Targets, expected number of beneficiaries:

## (i) (Primary targets)

- i/ - The whole school of 82 students with severely intellectually disability
- 91 Teachers, therapists and supporting staff
- 70 Family members of students

## (ii) Resource Centre (Potential beneficiaries)

- i/ - Intellectual Disability Students of other special schools in Hong Kong
- Teachers and related professionals in special education and rehabilitation organizations
- Parents of other students with special educational needs

## ii/ Over 500 person-count in total

## (3) Implementation method, process and schedule (September, 2011 to August, 2014)

Sept 2011 to Aug 2012	Sept 2012 to Aug 2013	Sept 2013 to Aug 2014
<ul style="list-style-type: none"> <li>Construction of an InSPAL Learning Environment</li> <li>Design and development of InSPAL learning scenarios</li> <li>InSPAL learning environment in operation</li> <li>Training sessions with teachers and students</li> <li>Treatment sessions with students</li> </ul>	<ul style="list-style-type: none"> <li>Enrichment of InSPAL Smart ambience learning scenarios</li> <li>Teachers' Protocol Trial with SID students</li> <li>Preparation of Teachers' Training Manual</li> <li>Action Research: Evaluation of the effectiveness of InSPAL for learning in SID students</li> </ul>	<ul style="list-style-type: none"> <li>Publication of Teachers' Training Manual</li> <li>Action Research: Evaluation of the effectiveness of InSPAL for learning in SID students</li> <li>Dissemination seminars and publications to professionals and public</li> <li>Preparation of Resource Center</li> </ul>

## (4) Expected deliverables/outcomes

- (i) An innovative learning environment for Interactive Sensory Program for Affective Learning (InSPAL)
- (ii) Eight InSPAL interactive scenarios for SID students' learning
- (iii) Teachers' Training Manual on InSPAL
- (iv) Action Research: Report on effectiveness of InSPAL for severely intellectually disabled students
- (v) Dissemination seminars for related professionals
- (vi) A Resource Centre for SID students

## (5) Budget

Item	Amount
1. Staff cost	\$1,178,000
2. Equipment	\$397,000
3. Services	\$1,033,000
4. Publication/Printing	\$50,000
5. General Expenses	\$18,000
6. Contingency	\$20,000
<b>Grand Total: (rounded)</b>	<b>\$ 2,696,000</b>

## (6) Evaluation parameters and method

- (i) Action Research: Evaluation of the effectiveness of InSPAL for SID students learning.
- (ii) Pre- and post-study assessment on student's performance.
- (iii) Questionnaires for working team, parents and users.