

Tiered Autism Intervention Model: A comprehensive school-based intervention model for students with ASD

Doris LEE, Pamela CHAN, Dorothy LI, Mandy LEE & Kate LEUNG Education Bureau, HKSAR

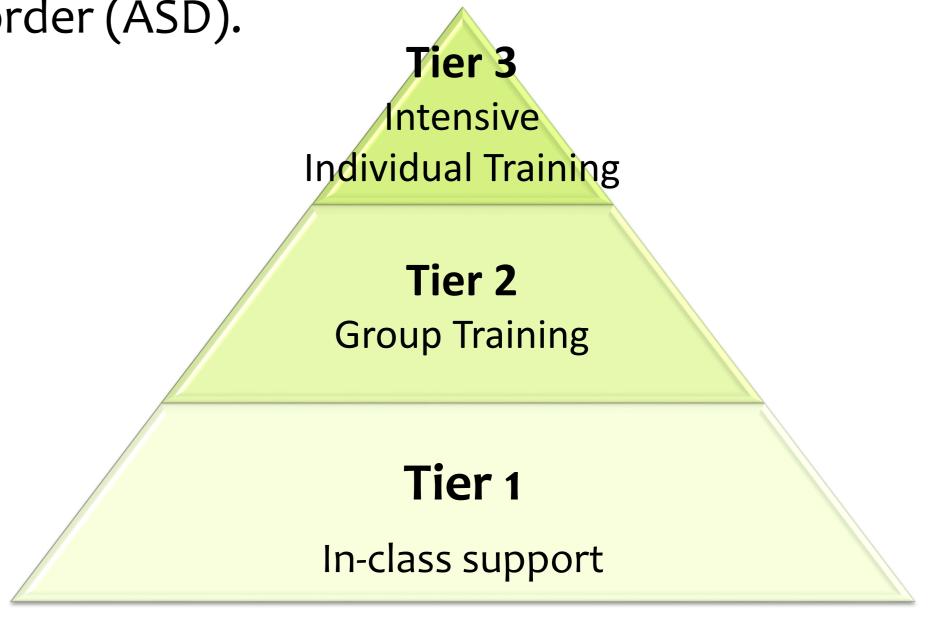
The Education Bureau (EDB) has been providing additional resources, professional support and systematic training to support ordinary schools to cater for students with special educational needs, including students with autism spectrum disorder (ASD).

- To further strengthen the support for students with ASD, the EDB launched a pilot project in 2011, developing and trying out a 3-tier school support model in 82 ordinary primary and secondary schools.
- The model aims at improving the performance of students with ASD in three main domains, namely, learning adaptation, social adaptation, and emotional adaptation.
- The model comprises arrangement of ASD friendly strategies in the whole class level at tier 1, ASD specific supplemental training after class in tier 2 support and individual education plan (IEP) at tier 3 support.

2 1

2

3



A 3-tier school support model

Learning Adaptation

- Sensory processing
- Class routine
- Executive functions
- High-order thinking & study skills
- Social Adaptation
- Verbal & nonverbal communication Conversational skills
- Social thinking
- Problem solving & self advocacy
- Friendly behaviors
- Play & leisure activities

Emotional Adaptation

VII. Social Thinking

others impression

XII. Emotional expression & understanding

Conflict resolution & bullying

XIII. Emotional regulation

Domains and subdomains in the teacher's rating scale

18 Able to understand and comprehend other's thinking

18.1 Able to understand others' points of view and feelings

18.2 Able to understand others' intentions, either good or bad

18.3 Able to understand/comprehend the meaning of pretense,

18.4 Able to understand how one's behavior and appearance affect

humour, jokes, figure of speech, euphemisms, sarcasms etc.

Results from the teacher's rating scale:

Rating scales collecting teachers' and parents' observation on target students' performances in the three domains are developed, guiding teachers to evaluate and prioritize the needs of the students for the formulation of the IEP.

evidence-based strategies in addressing the needs of the students.

The essence of the model includes using methodical needs assessment to inform

the formulation of personalized support plans for the students and deploying

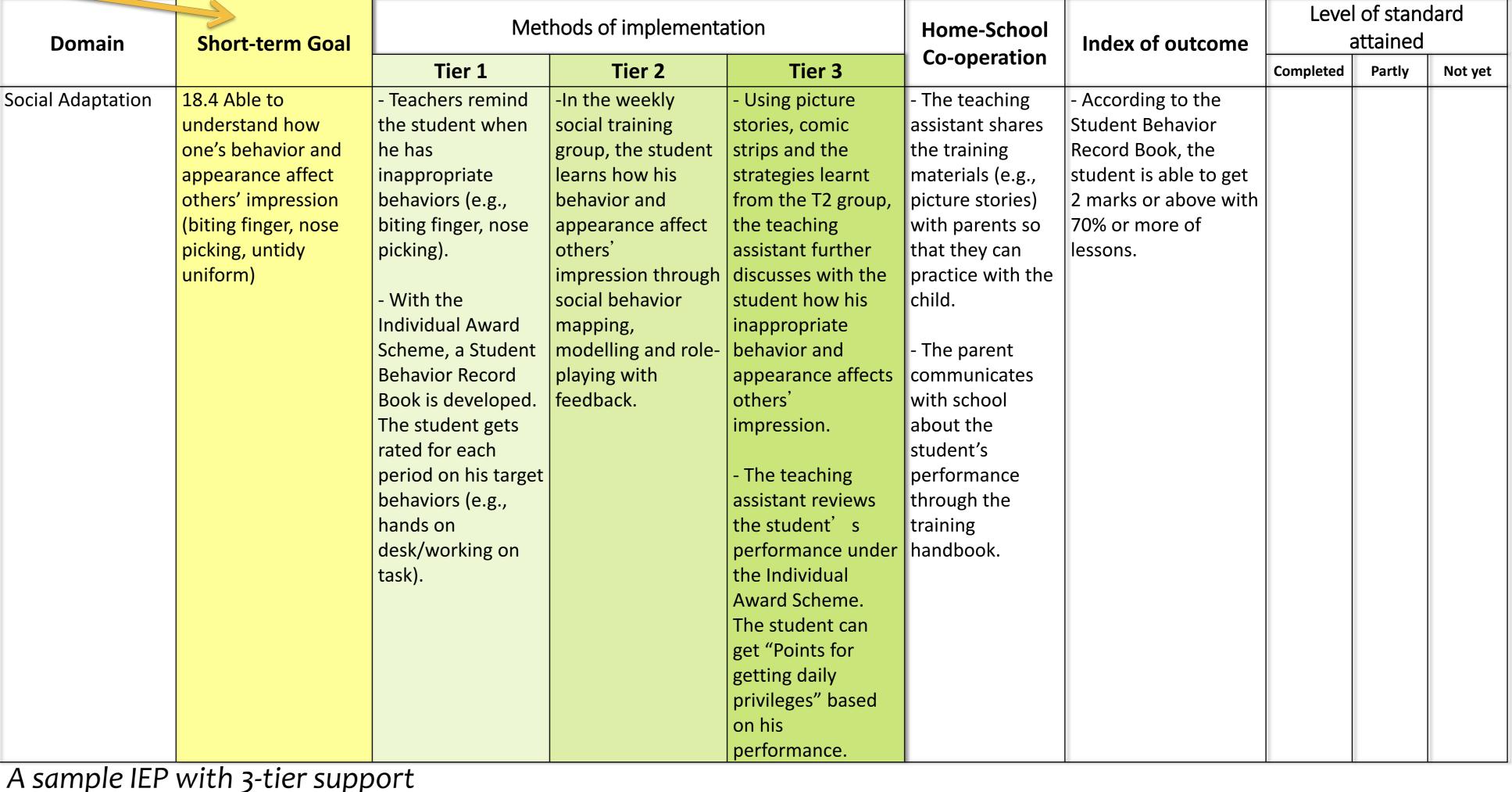
Determining what goals/skills to target for the IEP

Features of IEP

- The 3-tier support in the IEP are intertwined, ensuring that students will be supported to apply the skills learnt in supplemental coaching in the whole class level whilst further consolidation of the skills in one-on-one training will take place, whenever appropriate.
- Home-school communication and cooperation are strongly encouraged in the model.

Social Behavior Mapping Situation: Listening to the teacher during class EXPECTED					Please rate this student in each target area for each period using the following scale:					
My behavior that is expected in the situation	Others' feeling about my behavior (s)	How others treat me based on how they feel about my behavior(s)	How I feel based on how I am treated in the situation		1 = try harder Target Behaviors	2 = g Period 1	Period 2	excellent Period 3	Period	
Looking like I am thinking about what the teacher is saying Quiet Hands on desk/ working on notes		Calm face Calm voice	Relaxed Calm		Following Class Rules Hands on desk/working on task					
UNEXPEC My behavior that is expected in the situation	Others' feeling about my behavior (s)	How others treat me based on how they feel about my behavior(s)	How I feel based on how I am treated in the situation		Target Behaviors Following	Period 5	Period 6	Period 7	Period	
Reading a book I brought from home Biting finger, nose picking, not working on the	Frustrated Angry	Teacher look sat me with unhappy face, unhappy voice, ask me to stop			Class Rules Hands on desk/working on task					

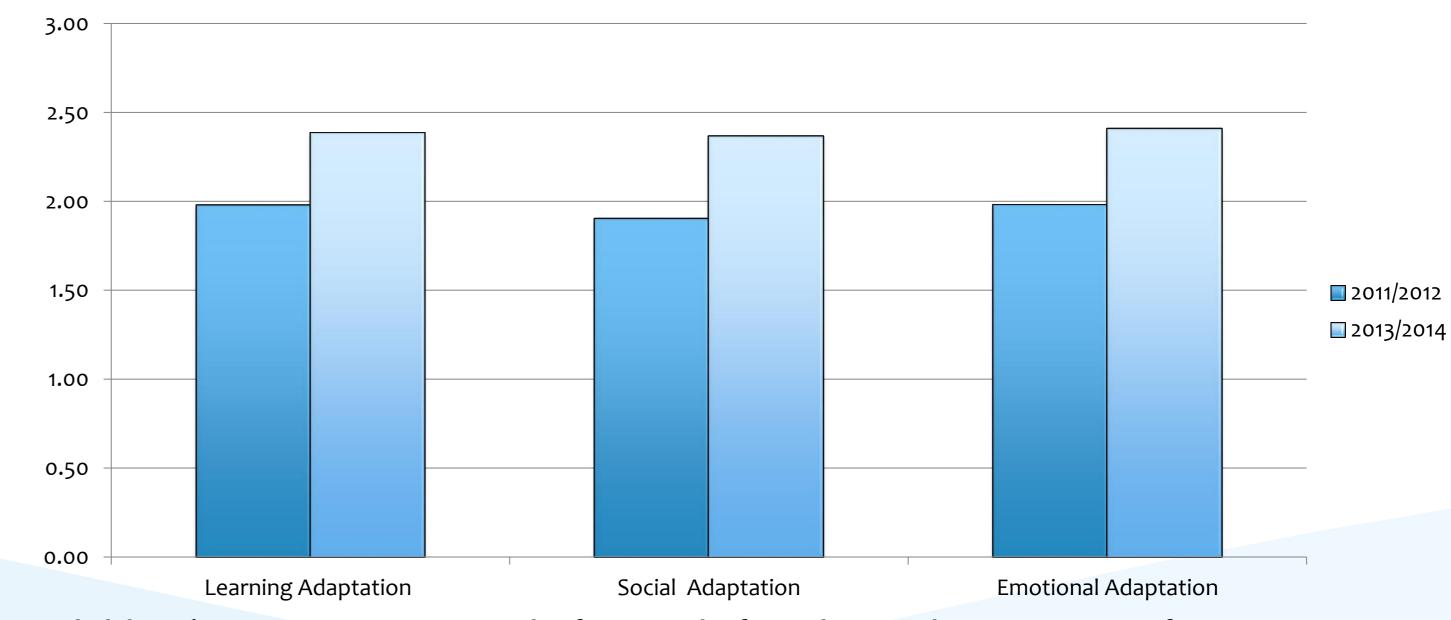
Strategies used in the sample IEP



Results and Conclusion

- Systematic evaluations had been conducted to assess the efficacy of the support model.
- Findings from surveys of the views of the teachers and educational psychologists were very positive, especially in enhancing teachers with effective ASD specific strategies, improvement of home-school collaboration and advancement of the inclusive culture at school.
- The parents reported growth in their knowledge and skills in supporting their children with ASD.
- Significant improvements were also observed in the target students' learning, social and self-regulation behaviours.
- This model for supporting students with ASD will be further promoted in Hong Kong.

For any enquiries, please contact us on (852) 2437 7270.



Children's mean scores in IEP before and after the implementation of project

Aiming for Tiered Autism Intervention Model

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