

CASE REPORT

# Research on Teaching Methods for Enhancement of Autistic Student's Volition and Motivation to Learn: Through Lesson Practices for Using Audio-visual Equipments

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## ABSTRACT

It has been pointed out that individuals with autism spectrum disorder (ASD) have learning difficulties because of their weak volition and motivation. In special-needs school, it is a very important issue how to enhance their volition and motivation in learning. In this study, we developed the teaching methods for enhancing volition and motivation in learning by using information and communication technology (ICT) equipments. The teaching methods were verified by a music class. In a music class, an application game software for iPad, named 'taiko no tatsujin', was used as a teaching material. Activities of students in a music class were recorded by videotapes. Through the analysis of videotapes, following results were obtained. 1) It was founded that they averted their eyes from iPad, when they paid attention to auditory stimulation. 2) Having the stimulus-bounded cognitive characteristics, they could not apply to new games. 3) It was important to instruct in considering their self-esteem. From these results, 'taiko no tatsujin' proved valid for enhancing volition and motivation in rhythm learning.

### <Key-words>

autism spectrum disorder (ASD), special-needs school, ICT, music class, rhythm learning

Received

December 26,2013

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Accepted

February 9,2014

Total Rehabilitation Research, 2014, 1:105-114. © 2014 Asian Society of Human Services

Published

February 28,2013