

A MODEL OF DIGITAL PIANO TRAINING SYSTEM TO IMPROVE THE COMPREHENSIVE PERFORMANCE OF PRE-SCHOOL EDUCATION MAJOR STUDENTS: A CASE STUDY AT A PUBLIC UNIVERSITY IN HUNAN, CHINA

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ABSTRACT: *The purpose of this study is to improve the digital piano comprehensive teaching level of students majoring in preschool education in Hunan province, China. This is a mixed method research, which includes both qualitative and quantitative data. The researcher conducted semi-structure interviews with 8 digital piano group teachers, it is concluded that the digital piano group teachers seldom use the complete teaching system and effective technology to integrate into the actual teaching activities. The researcher then utilized the TPACK framework, to selected Piano Performance Skills, Digital Piano Teaching level and Basic Music theory as Training and evaluation to construct a Digital Piano Training System (DPTS). The DPTS system was tested at a public university in Hunan province that offers a digital piano course and has 360 pre-school students, 30 students were selected and given a one-month. After comparing pre and posttest, the results revealed that after receiving the DPTS training system, students have significantly improved in three aspects: Piano Performance Skills, Digital Piano Teaching level and Basic Music theory. Therefore, it was concluded and confirmed that the DPTS was the effective teaching tools in piano teaching for preschool education major students. As the result, the institutions should consider implementing DPTS as one of the piano teaching strategies.*

Keywords: *Digital piano training, Training system, TPACK, Preschool education, Digital Piano Training System (DPTS)*

Introduction

Preschool education is the beginning of lifelong learning, an important part of the modern education system, and plays a special and important role in people's lifelong growth (Cutietta, 1995, 1996).

In China, there has been a transition from “one child” to “two children” policy by

the Government. Consequently, more and more children need access to higher quality preschool education. At the same time, higher requirements are also put forward for college teachers who major in preschool education, because these college teachers will train students to become teachers of various kindergartens in the future. The quality of these students will determine the quality of kindergarten teaching in the future.

Music education, especially piano comprehensive skills, became the most important skills for kindergarten children in the future work of these teachers. Music (piano) preschool education plays an important role in the overall intellectual

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