

A Device for Teaching Techniques by E-learning Methods for Home Economics Education in Japanese Junior High Schools : Based on *All My Money: A Financial Management Curriculum*

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Abstract

Authors devised the teaching materials for Home Economics Education in Japanese junior high schools based on *All My Money: A Financial Management Curriculum for Persons Working with Limited-Resource Audience*, which was initially developed by the University of Illinois in the United States. *All My Money* is a superior teaching resource and can be viewed as an action-oriented learning strategy. It was found necessary, however, to repeat the drills many times thus it was impossible to cover all the presentations of the practice results during an ordinary class session.

Objectives of this paper were 1) To devise the teaching techniques using e-learning systems (WebCT and CoAT) to resolve the above problem, and 2) To examine the effect of our new teaching techniques in an actual junior high school class.

The results were as follows: 1) Both teacher and students were able to view the students' answers to each question by means of WebCT and CoAT immediately, and the students could discuss each answer. This was then summarized by using WebCT or CoAT, and was projected using a wide screen projector. 2) Analyzing the students' self-estimates for the four evaluation measurement areas, it was found that relatively high scores were achieved in the measurement areas of 'interest/will/attitude,' but scores were low for the measurement areas of 'skill/presentation.' 3) Comparing WebCT with CoAT, WebCT was superior to CoAT for calculation and summing functions. In contrast, CoAT was superior to WebCT in monitoring visual functions and handling of the e-learning system for junior high school students.

Key words; All My Money, e-learnig method, WebCT, CoAT, teaching technique