

Kulthida Singsoong 2006: A Comparative Study of Learning Achievement and Retention from Computer-assisted Instruction on the Four Noble Truths of Buddhism for Mathayomsuksa 1 Student's Different Cognitive Styles. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Squadron Leader Sunchai Pattanasith, Ed.D. 143 pages.
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The objectives of this research were: 1) to construct the Computer-assisted Instruction on the Four Noble Truths of Buddhism for Mathayomsuksa 1 Student by using the standard criteria 80/80; 2) to compare the learning achievement from Computer-assisted Instruction on the Four Noble Truths of Buddhism for Mathayomsuksa 1 Student's Different Cognitive Styles, and 3) to compare the retention from Computer-assisted Instruction on the Four Noble Truths of Buddhism for Mathayomsuksa 1 Student's Different Cognitive Styles.

The experimental groups were 60 students of Mathayomsuksa 1 of Bangrajanvitaya school. The students were randomly selected by the group embedded figures test. There were divided into 2 groups by simple random sampling. Group 1 had 30 students with field independence, and group 2 had 30 students with field dependence. The instrument was Computer-assisted Instruction on the Four Noble Truths of Buddhism, the group embedded figure test, an achievement test and the retention test Data were analyzed by using percentage, mean, standard deviation and t- test.

The results of the study indicated that: 1) Computer-assisted Instruction on the Four Noble Truths of Buddhism for Mathayomsuksa 1 Student's Different Cognitive Styles had 86.5/82.0 efficiency value; 2) the learning achievement of students with field dependent and students with field independent learning from Computer-assisted Instruction on the Four Noble Truths of Buddhism had significant differences at the .01 level, and 3) the retention of students with field dependent and student with field independent learning from Computer-assisted Instruction on the Four Noble Truths of Buddhism had significant differences at the .01 level.

Student's signature

Thesis Advisor's signature