

Piyamart Kaewcharoen 2010: A Comparative Study of Learning Achievement and Retention on the Important Days of Buddhism of Mathayomsuksa 3 Students through Web-based Instruction between Two Presentation Models. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Associate Professor Saroch Sopeerak, Ph.D. 164 pages.

The objectives of this research were: 1) to develop web-based instruction on the Important Days of Buddhism with the efficiency 80/80 criteria ; 2) to compare the learning achievement of Mathayomsuksa 3 students learning through web-based instruction on the Important Days of Buddhism using content abstract organizers and multimedia organizers ; 3) to compare difference retention on the Important Days of Buddhism of Mathayomsuksa 3 students learning through web-based instruction using content abstract organizers and multimedia organizers, and 4) to study the opinions toward of Mathayomsuksa 3 students through web-based instruction on the Important Days of Buddhism used content abstract organizers and multimedia organizers.

The sample was 88 students of Mathayomsuksa 3 in the second semester of the academic year 2009 at Prakanong Pittayalai School. They were selected by cluster random sampling. Research tools were web-based instruction , learning achievement test and opinion questionnaire. Data were analysed using percentage, mean, standard deviation and t-test.

The results were as follows: 1) the efficiency of web-based instruction using content abstract organizers was 81.11/84.78 and efficiency of web-based instruction using multimedia organizers was 89.11/89.78 ; 2) there was no significant difference in the student's learning achievement and retention between two group, and 3) the student's opinion toward two models of web-based instruction was at the high level.

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Student's signature

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Thesis Advisor's signature