

TITLE: The Development of Web Based Collaborative Learning Using Student Teams Achievement Division (STAD) on the Topic of Information and Communication For Matthayomsuksa 4 Students

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ABSTRACT

The objectives of this study were to 1)develop the web-based, Collaborative Learning Using Student Teams Achievement Division (STAD) on the Topic of Information and Communication For Matthayomsuksa 4 Students,to assess the efficiency of the web-based instruction program based on the 80/80 standardized criteria efficiency, 2)find the quality of the developed web-based instruction program, 3) compare the learning achievement resulting from using the web-based instruction program with that resulting from the traditional program, 4) study the students' satisfaction with the web-based instruction. The samples used consisted of Matthayomsuksa 4 Students in Nakhawittayakhom School obtained through sample random sampling for one class with 42 students was the experimental group and one class with 46 students was controlled group. Four type of instruments were used in this study. They included the web-based instruction programs, an evaluation form web-based instruction quality, an achievement test, The statistics used were mean, standard deviation, percentage and z-test was employed to test the hypotheses

The research finding showed that the average level of the quality of the web-based instruction was high ($\bar{X} = 4.41$, S.D. = 0.50). The value of the standardized criteria efficiency of the web-based instruction was 85.53/84.83 which were higher than the 80/80 standardized criteria. The students who took Web Based Collaborative Learning Using Student Teams Achievement Division had a higher achievement then those who the traditional teacher program with a statistical significance at the level of .05. The average level of the satisfaction of the students with the web-based instruction was very high ($\bar{X} = 4.70$, S.D. = .48)