

Naphachanok Suwanmanee 2014: Development of Electronic Book on Computer Components based on World-class Standard School Curriculum for Matthayomsuksa 1 Students of Deebuk Phangnga Wittayayon School. Master of Education (Educational Communications and Technology), Major Field: Educational Communications and Technology, Department of Educational Technology. Thesis Advisor: Associate Professor Jongkol Kanperm, M.S.Tech.Ed. 153 pages.

The purposes of this research were: 1) to develop an electronic book on Computer Components based on World-class Standard School Curriculum for Matthayomsuksa 1 students of DeebukPhangngaWittayayon School which has standard quality as 80/80 criteria; 2) to compare pre-test scores and achievement test scores of the students who studied with the electronic book on Computer Components, 3) to study the satisfaction of the students towards the electronic book on Computer Components.

The population consisted of 21 students of Matthayomsuksa 1 who with learning management based on World-class Standard School Curriculum for the first semester of the 2013 academic year at DeebukPhangngaWittayayon School. The research tools were the electronic book on Computer Components for Matthayomsuksa 1 students, the quality assessment questionnaire of the electronic book, the pre-test and the achievement test, and the satisfaction questionnaire of the students with regards to the electronic book. The data were analyzed by percentage, mean, standard deviation and Wilcoxon Signed Ranks Test.

The research results show that 1) the electronic book on Computer Components based on World-class Standard School Curriculum for Matthayomsuksa 1 students of Deebuk Phangnga Wittayayon School had a good quality and the efficiency was at 88.82/82.34; 2) the student's learning achievement test score was significantly higher than the pre-test score at the level of .05 and 3) the students were highly satisfied with the electronic book.

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Student's signature

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Thesis Advisor's signature