

Kittiya Plodkaew 2008: The Development of Web-based Instruction by Constructionism Theory on Electronic Book Construction for Mathayomsuksa 1 Students. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Mr. Paitoon Srifa, Ed.D. 114 pages.

The objectives of this research were 1) to constructed and test efficiency of web-based Instruction by Constructionism Theory on Electronic Book Construction 2) to investigate learning achievement of Mathayomsuksa 1 Students after using web-based Instruction by Constructionism Theory on Electronic Book Construction 3) to study opinions of Mathayomsuksa 1 Students after using web-based Instruction by Constructionism Theory on Electronic Book Construction

The sample group in this research were 35 Mathayomsuksa 1 Students at Princess Chulabhorn's College Nakhon Si Thammarat in the second semester of the 2007 academic year. The students were randomly selected by the purposive selection technique. Research instruments were web-based Instruction by Constructionism Theory on Electronic Book Construction, the quality evaluation forms, achievement test and questionnaire on the students' opinions toward web-based Instructional by Constructionism Theory on Electronic Book Construction. Statistical analysis used in this study were percentage, mean, standard deviation and t-test

The results were as follows 1) The efficiency of web-based Instruction by Constructionism Theory on Electronic Book Construction was 85.45/84.85 than was higher than at 80/80 standard 2) the post-test learning achievement scores was significantly higher than the pre-test at the .05 level and 3) the students' opinions toward web-based Instruction by Constructionism Theory on Electronic Book Construction was at a good level.

Student's signature

Thesis Advisor's signature

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