

Chanoknart Thongbun 2011: Development of an Electronic Book on Phenomenon of the World and Space Technology Substance for Phathomsuksa 6 Students. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Mr. Paitoon Srika, Ph.D. 153 pages.

The purposes of this research were 1) to development of an electronic book on Phenomenon of the World and Space Technology Substance for phathomsuksa 6 students according to quality and have the intended 80/80 criteria, 2) to compare learning achievement score with pretest score of prathomsuksa 6 students and 3) to study the students satisfaction toward the electronic book on Phenomenon of the World and Space Technology Substance.

The sample group was 30 prathomsuksa 6/14 students who were drawn by cluster sampling from prathomsuksa 6 students, Rittiyawannalai school the second semester in the 2010 academic year. The research tools were: 1) the electronic book on Phenomenon of the World and Space Technology Substance, 2) the evaluation forms to evaluate the electronic book on Phenomenon of the World and Space Technology Substance, 3) the test for the pretest and learning achievement test on Phenomenon of the World and Space Technology Substance, and 4) the questionnaire on the students' satisfaction toward the electronic book on Phenomenon of the World and Space Technology Substance. The data were analyzed by using percentage, mean, standard deviation and dependent t-test.

The research results showed that: 1) the quality of electronic book on Phenomenon of the World and Space Technology Substance was at good level and met the 80/80 criteria, 2) The learning achievement score was significantly higher than the pre-test score at .05 level, and 3) the students' satisfaction toward the electronic book on Phenomenon of the World and Space Technology Substance was at high preference level.

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Student's signature

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Thesis Advisor's signature