

Utumporn Rungrote 2012: The Development of an Electronics Book in Torrance's Future Problem Solving on Global Warming for Teaching Grade 7 Students. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Mr. Paitoon Srifa, Ph.D. 131 pages.

The objectives of the research were: 1) to develop the Electronics Book in Torrance's Future Solving on Global Warming for teaching grade 7 Students, 2) to compare Grade 7 students score on Global Warming test before and after using the Electronics Book. and 3) to study the satisfaction of Grade 7 students toward the Electronics Book on the Global Warming that the researcher had developed.

The research sample were 32 of the Grade 7 students, from Ban-Maduatong School, Prachuabkirikhan Province. The research instruments were 1) the Electronics Book for teaching grade 7 students in Torrance's Future Problem Solving on the Global Warming, 2) Qualitative form of Electronic Book, 3) the Global Warming on pre-test and post-test, and 4) satisfaction survey forms. The researcher analyzed the data by using percentage, average, mean, standard deviation and dependent t-test.

The result of the research showed that : 1)the Electronics Book for teaching grade 7 students in Torrance's Future Problem Solving on the Global Warming had the quality at good level and the efficiency met 80/80 criterion, 2) the post-test score after using the Electronics Book was higher than the pre-test score at statistical significantly by 0.05. 3) the students satisfaction toward the Electronics Book on Global Warming was a good level.

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Student's signature

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Thesis Advisor's signature