Thesis Title   A Comparison of Chemistry Achievement on "Periodic Table"

Learning from Computer -Assisted Instruction and Method

Teaching Manual

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ABSTRACT

The purpose of this research was to compare the achievement of Chemistry Learning "Periodic Table "of Mathayomsuksa five students, attending Uttaraditdaruni School in Uttaradit Province, between the use of computer-assisted instruction and method teaching manual.

The 10-unit computer-assisted instruction and the achievement test consisted of forty multiple choice test items were constructed. And the lesson plans from the method teaching manual by IPST, the Ministry of Education was used.

The sample of this research was forty-six Mathayomsuksa five students of Uttaraditdaruni School, Uttaradit Province, who were selected by the use of Simple Random Sampling. Then the students were randomly seperated into two groups namely a control group and an experimental group. There were twenty-three students in each group.

After ten units had been used, the achievement test was administered to both groups. The data were analyzed through the application of t-test Independent.

The result of this study was that there was a significant difference at the 0.05 level. It revealed that the student taught by using computer-assisted instruction had better achievement than those taught by using method teaching manual.