

Teerasak Boonrasi 2006: Interaction between Learning Conditions by Discovery and Level of Learning on Learning Achievement by Program Instruction of Students in Matthayomsuksa 2. Master of Education (Education Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Associate Professor Prawit SaeTia. 143 pages.
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The purpose of this research was to study the interaction between learning condition by unspecified structure discovery and the discovery that had the suggestions of the students who studied the program lessons on Using Basic Photoshop Program, and the levels of high, intermediate and low learning results that affected the learning achievement of program instruction of Matthayomsuksa 2 students.

The samples used in the research consisted of 60 Matthayomsuksa 2 students of Wat Donway Raththaprasart School, in the 2nd semester of academic year 2006. The samples were divided according to the study result level using the percentile score of the 1st semester examination. All the students were brought for simple random sampling in each group into 2 experimental groups of 30 persons each. In each group there were 10 high level study result students, 10 moderate result students and 10 lower result students. The first experimental group studied the program lessons with learning condition by unspecified structure discovery, while the second experimental group studied the program lessons with learning condition by the discovery that had the suggestions. Then the students were asked to perform the learning achievement test paper in the program lessons. The scores were then brought to compare the results of learning achievement in the study of program lessons, using two-way analysis of variance.

The results of research showed that the condition of learning by discovery and the study result level had no interaction with learning achievement of program lessons. The students with learning conditions by different discovery had the different learning achievement of the program lesson, and students with different study levels had different learning achievement of program lessons with statistical significance at the level .05.

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