Suwaphit Moonlux. 2006: A Comparison of Learning Achievement and Retention through Computer - assisted Instruction between Prathomsuksa 4 Students with Different Cognitive Styles. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Squadron Leader Sunchai Pattanasith, Ed.D. 91 pages.
ISBN 974-16-2397-6

The objectives of this research were 1) to construct and investigate efficiency of computer - assisted instruction of Career and Technology subject on pets; 2) to compare learning achievement through computer - assisted instruction of Career and Technology subject between Prathomsuksa 4 students with different cognitive styles, and 3) to compare retention through computer - assisted instruction of Career and Technology subject between Prathomsuksa 4 students with different cognitive styles.

The sample was 60 Prathomsuksa 4 students of Watthungkru School and Naluang School, Bangkok, studying in the second semester of 2005 academic year. There were two experimental groups. The first group consisted of 30 field independent cognitive style students and the second consisted of 30 field dependent cognitive style students who were assigned to learn by computer - assisted instruction of Career and Technology subject. The instruments were computer - assisted instruction, achievement test and the group embedded figures test. Data were analyzed by independent sample t- test , mean , standard deviation and percentage.

The results showed that 1) effectiveness of computer - assisted instruction on pets was 93/91.85; 2) learning achievement through computer - assisted instruction of Career and Technology subject between different cognitive styles Prathomsuksa 4 students had no significant differences, and 3) retention through computer - assisted instruction of Career and Technology subject between different cognitive styles Prathomsuksa 4 students had no significant differences.

_____ _____ ___ / ___ / ___

Student's signature Thesis Advisor's signature