

Chayapar Seesawad 2011: A Comparative Study of Learning Achievement by
Multimedia - Computer Instruction and Conventional Instruction on Family and Life of
Matayomsuksa Students. Master of Education (Vocational Education Development),
Major Field: Vocational Education Development, Department of Vocational Education.
Mrs. Chintana Kanjanavisut, Ph.D. 223 pages.

The purposes of this research were to (1) construct Multimedia Computer on
“Family and Life” for Non-Formal and Informal Education lower secondary students based
on the efficiency 80/80 criteria, (2) compare “Family and Life” achievement of the lower
secondary students between using the Multimedia Computer Instruction and Conventional
Instruction, and (3) compare students satisfaction towards “Family and Life” between
learning by Multimedia Computer Instruction and Conventional Instruction for lower
secondary students. The 50 samples, obtained by simple random sampling, divided into 2
groups, each group consisted of 25 students Non -Formal and Informal Education at Wat
Yairom Community Learning Center that enrolled the subject develop a life skill : the
experimental group learn by Multimedia Computer and control group learn by Conventional
(find group). The instruments were Multimedia Computer, achievement test, exercise on
life and family, and questionnaires. The statistics used in analyzing the data were
percentage, mean, standard deviation and t-test.

The results of this study revealed as follows : (1) the Multimedia Computer
Instruction program had on efficiency of 82.60/88.67 which was higher than the set
criterion (80/80).(2) The academic achievement of students learning on the Multimedia
Computer Instruction had higher than students learning through the Conventional
Instruction at 0.05 level of significant difference. (3) The satisfaction of the students group
who learned by Multimedia Computer Instruction had at high level while the students
learning by Conventional Instruction group had only moderate level and significant
difference at 0.05 level.

Student's signature

Thesis Advisor's signature

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