

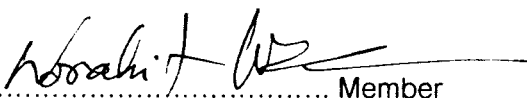
THESIS TITLE: A COMPARISON OF LEARNING ACHIEVEMENT OF
MATTHAYOM SUKSA 1 STUDENTS ON FUNDAMENTAL OF
COMPUTER AND INFORMATION TECHNOLOGY BETWEEN
USING PROGRAMMED INSTRUCTION AND THE
CONVENTIONAL METHOD.

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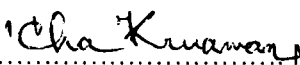
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ABSTRACT

The purpose of this research was to compare the learning achievement of Matthayom Suksa 1 students on fundamental of computer and information technology between using programmed instruction and the conventional method. The samples were sixty students who registered in the second semester of 1998 academic year. from Nanongthumwittaya School , Amphur Kaengkro , Changwat Chaiyaphum. The samples were selected into two groups by random assignment and random thirty students into control group and thirty students into experimental group. The experimental group learned from the programmed instruction and the control group learned from the conventional instruction. The research instruments are: 1) The achievement test consisted of 20 items , its difficulty level ranged from

0.26 – 0.84 , the discrimination power ranged from 0.30 – 0.64 and the reliability was 0.79 . 2) The programmed instruction entitled 'computer system 'its efficiency was 95.13 / 89.34 and the effectiveness index was 0.55 . 3) A lesson plan of the conventional instruction. The pre test – post test control group design was used in this study and t – test method was used to analyse data. The results revealed that the learning achievement by using the programmed instruction was higher than the learning achievement by using the conventional instruction at .05 significant level. The mean score of the experimental group was higher than the mean score of the control group.