

KITTIDEJ ONLAMAI : EFFECTS OF MOVING SINGLE IMAGE AND MULTI-IMAGE PRESENTATIONS IN VIDEOTAPE UPON SCIENCE LEARNING ACHIEVEMENT OF MATHAYOM SUKSA THREE STUDENTS. THESIS ADVISOR : ASSO.PROF. VIROON LEELAPRUTE, 58 PP. ISBN 974-578-932-1

The purpose of this research was to study the effects of the three different types of educational videotape presentation upon science learning achievement. The subjects were two hundred and one Mathayom Suksa Three students of Santiraj Vithayalai School and Nonsee Vithaya School. The subjects were divided into three groups according to the scores from pre-test. Each group contained sixty-sevens students. Each group of students studied the topics of Gasoline Engine and Diesel Engine from videotape with three types of presentation which are: moving single image, multi-image and multi-image addition type. The achievement scores of each group were gathered and analyzed using one-way analysis of variance and the pairwise differences were tested by Tukey's HSD Test.

The results of the study were as follows:

1. The three different types of presentation were different at the .01 level of significance.
2. The moving single image gave higher learning achievement than the multi-image presentation at the .01 level of significance.

The other types of presentation gave no difference in learning achievement.