

Name : Mr.Niran Sasanavin
Thesis Title : An Experimental Study of Instructional Video Programs
Using Framing Techniques and Ellipse Patterns as Cues
in Teaching "Zoology".
Major Field : Technical Education Technology
Thesis Advisors : Dr. Krismant Whattananarong, Mrs. Tuangrat Sriwongkol
Academic Year : 1993

Abstract

The purpose of this study was to compare learning achievements, retention, and preferences in which instructional video programs using framing techniques and ellipse patterns were used as cues in teaching "Zoology", Fish Preserving. Sixty students from the Faculty of Science, Kasetsart University in 1993 were randomly selected and placed into two equal groups. The research instruments used were an achievement test, a retention test, and a response form designed by the researcher. Each group of students was randomly assigned to study each type of video program. Then the achievement tests were given to the two groups. After two weeks, the retention tests were given to the same group of students. Then the students in each group were assigned to study the video program previously studied by another group. The response forms were given to the students choose their preferences. The data was analysed by arithmetic means (\bar{X}), standard deviation (S.D.), t -test, and chi-square statistics.

Research revealed that there was a significant difference between the achievement mean scores of the two groups at the level of .05. Mean score of the group studied with an instructional video program with framing techniques was shown to be slightly higher than the mean score of the group studied with an instructional video program with ellipse patterns. There was no significant difference on retention at the level of .05. However, the retention mean score of the group who studied the video program with framing techniques was shown to be slightly higher than the mean score of another group. There was no significant difference on preference at the level of .01. The students preferred the video program with framing techniques to another program.