URN etd-0407109-183720-1621
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Statistics This thesis had been viewed 50 times. Download 26 times.
Department
Year 2003
Semester 2
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title A Study of the Effect on Multiple Intelligence by Concept Mapping at vocational high school level─A case of Introduction to Computer
Date of Defense 0000-00-00
Page Count 91

Keyword
Concept Mapping
Multiple Intelligence
Introduction to Computer

Abstract
The purpose of this study is to ascertain the effect of using concept mapping into Introduction to Computer on study performance, study attitude and study atmosphere of the students.

This topic examined continually the effect of using concept mapping teaching on multiple intelligence of students. The subjects were selected from the first grade students of a certain vocational high school in Chiayi County where the researcher worked for. There were 44 students in (A class) for the treatment group, 42 students (B class) for the control group. They were examined by the writing test and questionnaire before teaching. By using SPSS software, Data collected were analyzed with t tests, Pearson's product-moment correlation, and stepwise multiple regression.

The results indicated that the students' score in the experiment group was significantly better than those in the control group for 11%. The treatment group had obvious improvement on not only study attitude but class atmosphere. For the multiple intelligence of the students including six items — linguistic intelligence, logical-mathematical intelligence , spatial intelligence , bodily-kinesthetic intelligence , interpersonal intelligence , and intrapersonal intelligence were positive consistent to the study achievement test. Multiple intelligence can partly predict the score of study performance test. Besides, the researcher gave some suggestions on improving study effects about methodological problems in the research design limit. This study can provide some important information to the scholars interested in applying concept mapping to related information courses.
Advisory Committee Yi-Hsing Chang - advisor

Files etd-0407109-183720-1621-001.pdf

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Date of Submission 2004-07-30