Thesis Title   Using Computer –Assisted Instruction on Astronomy to Supplement

Science of Grade Level 3 Students

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ABSTRACT

The purposes of this research were 1) to study the science learning achievement on the topic "Universe and Space" of grade level 3 students learning by using Computer –Assisted Instruction on Astronomy 2) to study the science process skills of grade level 3 students learning by using Computer –Assisted Instruction on Astronomy on the topic "Universe and Space"
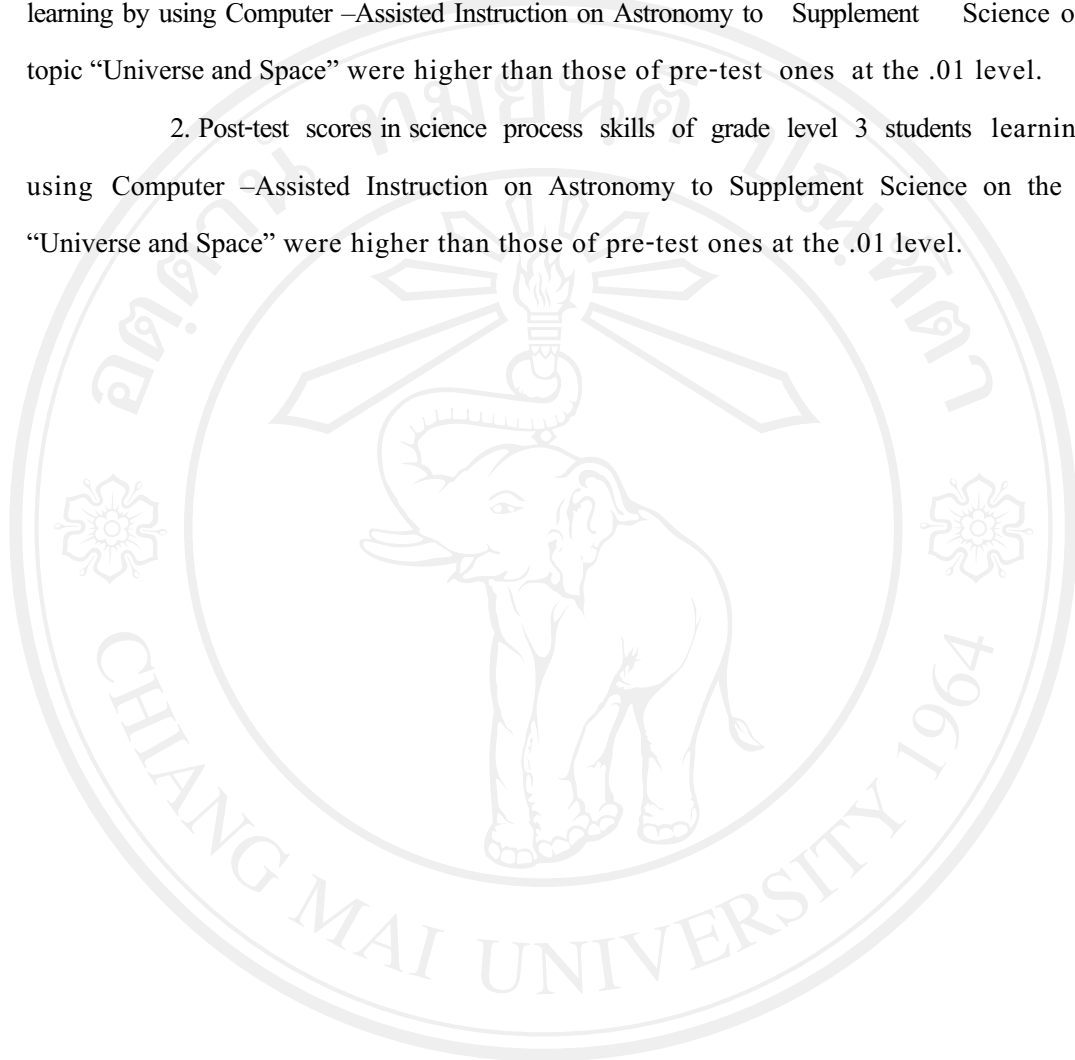
The samples were 40 of Mathayom Suksa 3 students in Chiangmai University Demonstration School, Muang District, Chiang Mai Province studying in the second semester of the academic year 2009. A class of students was chosen as the experimental group by cluster random sampling.

The research instruments were Computer –Assisted Instruction on Astronomy to Supplement Science on the topic "Universe and Space" the lesson plans by using Computer –Assisted Instruction on Astronomy on the topic "Universe and Space" for Mathayom Suksa 3 students, Science learning achievement test which had reliability index of 0.775 and science process skills test which the reliability index of 0.558. Statistics used for data analyzed comparesed of mean , Standard Deviation and t-test by using computer program.

Research findings were as follows :

1. Post-test scores in science learning achievement of grade level 3 students learning by using Computer –Assisted Instruction on Astronomy to Supplement Science on the topic "Universe and Space" were higher than those of pre-test ones at the .01 level.

2. Post-test scores in science process skills of grade level 3 students learning by using Computer –Assisted Instruction on Astronomy to Supplement Science on the topic "Universe and Space" were higher than those of pre-test ones at the .01 level.