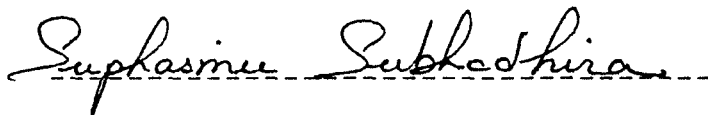


Thesis Title : A COMPARATIVE STUDY OF PRATHOM SUKSA V
STUDENTS' SCIENCE ACHIEVEMENT, SCIENCE
PROCESS SKILLS, SCIENTIFIC ATTITUDE,
SCIENTIFIC CREATIVITY AND LEARNING
RETENTION ON "PHYSICAL ENVIRONMENT",
A UNIT IN THE LIFE EXPERIENCES GROUP,
USING TWO TEACHING APPROACHES : THE
INSTRUCTIONAL PACKAGES AND THE
CONVENTIONAL METHOD

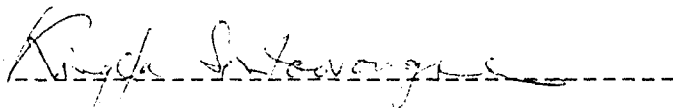
Author : Miss Sudsa-nguan Pimhanam

Thesis Advisory Committee

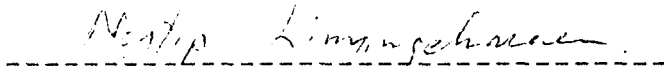
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Chairman

(Dr. Suphasinee Suphadhira)

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(Associate Professor Noytip Limyingcharoen)

ABSTRACT

The purposes of this study were to compare the science achievement, science process skills, scientific attitude, scientific creativity and learning retention of

Prathom Suksa V Students on "Physical Environment" a unit in the Life Experience Group between the use of the instructional packages and conventional method. A total number of 67 Prathom Suksa V students were purposively selected from Ban Nakanhak Prachanusorn school , Amphoe Nongbuadaneng Changwat Chaiyaphume , in the second semester of the acadamic year 1993. Those students were devided by the match paired technique into 2 groups and were randomly assigned to be the experimental group (34 students) and the control group (33 students).The research tools were the instructional packages and the science achievement test which devised by the researcher, the Wattana Singhawanuwat's science process skills test, the Prapapan Kitcharoenpanya's scientific attitude test and the Prajit Namkotara's scientific creativity test.

The pretest posttest control group design was utilized in this study and the data were analysed by the t-test.

It was found that the students' science achievement and the science process skills in the experimental group was significantly higher than those in the control group at the . 05 level. There was significantly difference between their performances on the scientific attitude, the scientific creativity and learning retention at .05 level of statistical significance.