

Thesis Title : THE EFFECTS OF SCIENCE GAMES AND TOYS ON THE  
SCIENCE PROCESS SKILLS OF THE ELEMENTARY CHILDREN

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#### ABSTRACT

The purposes of this study were: (1) to compare the science process skills between the experimental group and the control group, and (2) to survey the experimental group's opinion toward the science games and toys

Sixty subjects were selected from the fourth grade students in Joomphonphonphisai School, Amphur Phonphisai, Nongkhai Province, by the cluster sampling. Then the subjects were divided by the match-paired technique into 2 groups and were randomly assigned to be the experimental group and the control group (30 students for each group). The research design was the pretest posttest equivalent group design. The research tools were the activity-practice plans emphasizing

science games and toys, the science process skills test and the questionnaire on opinions toward the science games and toys. For analysis of data, the t-test was employed.

The major findings of this study as follows:

1. There was significant difference between the science process skills of the experimental group and the control group at .05 level of statistical significance.

2. The experimental group's opinion toward the science games and toys was at the high level.