

C841493 : MAJOR MATHEMATICS OF EDUCATION

KEY WORD : THINK ALOUD TECHNIQUE/ PROBLEM SOLVING IN MATHEMATICS/
ATTITUDE TOWARDS MATHEMATICS

KUMJORN MUNEEKAEW : EFFECTS OF USING THINK ALOUD TECHNIQUE ON
ABILITIES IN PROBLEM SOLVING IN MATHEMATICS AND ATTITUDE TOWARDS
MATHEMATICS OF MATHAYOM SUKSA THREE STUDENTS IN DEMONSTRATION
SCHOOLS, OFFICE OF RAJABHAT INSTITUTES COUNCIL. THESIS ADVISOR : ASSOC. PROF.
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The purposes of this research were as follows :

1. To study effects of using think aloud technique on abilities in problem solving in mathematics of mathayom suksa three students.
2. To study effects of using think aloud technique on attitude towards mathematics of mathayom suksa three students.

The samples were 2 classes of mathayom suksa three students in academic year 1996 in The Demonstration School of Rajabhat Institute Bansomdejchaopraya. The class with 39 students that was randomized to be an experimental group was taught by using think aloud technique. The other class with 41 students that was a control group was taught by using conventional method. The research instruments were 20 lesson plans, the problem solving ability in mathematics test and the attitude towards mathematics test. The data were analyzed by means of arithmetic mean, standard deviation and t-test.

The findings of this study were as follows :

1. The abilities in problem solving in mathematics of the students taught by using think aloud technique were not different from the students taught by using conventional method at the 0.05 level of significance.
2. The attitude towards mathematics of students taught by using think aloud technique were higher than the students taught by using conventional method at the 0.05 level of significance.

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