

##C340809 : MAJOR ELEMENTARY EDUCATION

KEY WORD: STIFF'S TEACHING TECHNIQUE/MATHEMATICAL PROBLEM SOLVING/
ACHIEVEMENT/PRATHOM SUKSA

TAWEEP MAHAWICHITR : EFFECTS OF USING STIFF'S TEACHING TECHNIQUE ON
MATHEMATICAL PROBLEM SOLVING ACHIEVEMENT OF PRATHOM SUKSA FIVE
STUDENTS. THESIS ADVISOR : ASST.PROF.WANNEE SIRICHOTE, 369 PP.
ISBN 974-582-750-9

The purpose of this research was designed to study effects of using
Stiff's Teaching Technique of Mathematical Problem Solving Achievement of
Prathom Suksa Five students

Samples were fifty Prathom Suksa five students who had mathematical
achievement low 22 students, average 16 students, and high 12 students in
Ban Pongsai school under the jurisdiction of the office of Muaklek district
Primary Education, Saraburi Province Primary Education. There were 2 classes,
25 students in each class and in different achievement. One class was chosen
on the experimental group and the other class was control group by simple
random sampling. Instrument used in this study included: The mathematical
designed was using STIFF's Teaching Technique Comprehensions Guide and the
Traditional Method. The Mathematical Achievement test on Problem Solving
Addition, Subtraction, Multiplication and Division. The satisfaction test
on STIFF's Teaching Comprehensions Guide.

It was conclude that:

1. The Mathematical Achievement of students who learned by STIFF's
Teaching Technique Comprehensions Guide had not higher achievement than
students who learned by the Traditional Method.
2. According to STIFF's Teaching Technique Comprehensions Guide
Students had high level of satisfaction in fourteen items which had the means
between 4.44-3.56 and the highest was 4.44, I like to analyzing Problem
Solving Addition, Subtraction, Multiplication and Division. Students had
moderate satisfaction with the mean of 3.48, I like to express thinking and
discussion giving reason acceptance or negative to select the Statement of
Problem Solving Addition, Subtraction, Multiplication and Division.