

Suppalerk Tanak 2006: Using Thai Literature to Develop Mathematics Course of Prathomsuksa Five at Karnkehatarsai School, Bangkok. Master of Education (Curriculum and Instruction), Major Field: Curriculum and Instruction, Department of Education. Thesis Advisor: Associate Professor Nataya Pihanthanond, Ph.D. 197 pages. ISBN 974-16-1961-8

The purposes of this research were 1) to develop mathematics course of prathomsuksa five using Thai literature integrated mathematics activities 2) to study the progressive mathematics learning course developed and 3) to study attitudes toward mathematics.

The sample was prathomsuksa five students in the second semester of the 2005 academic year at Karnkehatarsai School, Bangkok. There was one class selected by purposive sampling from four classes and the class was consisted of 38 students. The class used 40 periods and 60 minutes in each period. The research instruments were lesson plans, achievement test, data collection record of teacher, students' writing journals, and attitude questionnaire. The data were analyzed by mean, percentage, and t-test.

The results were as follows: 1) The lesson plans created by using Thai literature to develop mathematics course of prathomsuksa five had efficiency and equaled to 78.17/76.18. 2) The mathematics learning achievement after learning was higher than 70% at the 0.05 level of significance. 3) The students showed continuing development of desirable characteristics and skills related to interest, responsibility, eagerness, trying to work, group working skills, connection, and creative thinking. 4) The students had very good attitude toward mathematics learning.

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Thesis Advisor's signature

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