

Klangtong Sukjaruan 2012: Construction of Mathematics Learning Activities on “Measurement” by Using Group Investigation Instructional Model of Prathomsuksa Four Students at Chaothaimai School, Changwat Phangnga. Master of Education (Teaching Mathematics), Major Field: Teaching Mathematics, Department of Education. Thesis Advisor: Assistant Professor Songchai Ugsonkid, Ed.D. 206 pages.

The purposes of this research were 1) to study mathematics learning achievement on “measurement” of prathomsuksa four students at Chaothaimai School, Changwat Phangnga that learnt by using group investigation instructional model and 2) to study the inquiry and group - working abilities of prathomsuksa four students that learnt by using group investigation instructional model.

The population were 22 prathomsuksa four students at Chaothaimai School, Changwat Phangnga in the second semester of the academic year 2011. The instruments in data collection consisted of 22 lesson plans on “measurement” by using group investigation instructional model, 25 items of mathematics learning achievement test on “measurement”, and the evaluation forms of the inquiry and group - working abilities. Percentage, mean, standard deviation, coefficient of variation were used for analyzing data and presented by tables with their corresponding description.

The research finding revealed that the mathematics learning achievement on “measurement” after learning by using group investigation instructional model was higher than before learning and more than 70% of the students scored more than 65% of the achievement test. The students had the inquiry and group – working abilities at the high level.

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Thesis Advisor’s signature