

Thesis Title	Learning Provision on Mathematics by Using Brain – based Learning to Enhancing Critical Thinking Abilities for Prathom Suksa VI Students
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### ABSTRACT

The objective of the study on learning provision on mathematics by using brain – based learning to enhancing critical thinking abilities were to compare the pre and post treatments of brain – based learning affecting and to investigate the students satisfaction towards the brain – based learning model. The sampling group of this study consisted of the 30 students studying in the second semester in academic year 2016 of grade 6 . Dok-Kaew group primary schools by simple random sampling. The research instruments consisted of brain – based learning mathematics- topics which direction map diagram and square-teaching plans , students achievements evaluation paper ,critical thinking abilities evaluation paper and the students satisfaction towards the brain – based learning evaluation paper. This research is one group pre-test post test design and the duration used for brain – based learning was 28 hours. Statistics used to analyze data were basic statistics, t-test dependent and one sample t-test.

The results of found that.

1. The leaning achievement result of the students after the brain – based learning was undertaken were higher at the statistical significant at .01 level.
2. The critical thinking ability result of the students after the brain – based learning was undertaken were higher at the statistical significant at .01 level.
3. The satisfaction of the students to the brain – based learning was much and higher than standard at the statistical significant at .01 level.