

## C140956 : MAJOR . EARLY CHILDHOOD EDUCATION  
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NIPAPORN DEESOMCHOKE : EFFECTS OF USING PHYSICAL ORIENTED EDUCATION  
GAMES ON MATHEMATICAL READINESS OF PRESCHOOL CHILDREN. THESIS  
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The purpose of this research was to compare the mathematical readiness of preschool children between the group trained by using physical oriented educational games and the group train by using educational games stated in the experience organization plans. The sample were 40 first year kindergarten students of Amphonphaisan School academic year 1992. They were divided into the 1st experimental group and the 2nd experimental group by means of simple random sampling method. The 1st experimental group was trained by using 18 physical oriented educational games. The 2nd experimental group was trained by using 18 education games stated in experience organization plans. Both groups were trained for eight weeks according to the 18 plans. After the experiment, the researcher tested mathematical readiness of both groups and the data were analysed by using t - test.

The results were the preschool children in the 1st experimental group trained by using physical oriented educational games had higher scores on mathematical readiness than the 2nd experimental group at the .05 level of significance.