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แบบร่วมมือเทคนิค TGT โดยภาพรวมพบว่า นักเรียนมีความพึงพอใจอยู่ในระดับมาก  
( $\bar{X} = 4.17$ , S.D. = 0.70)



มหาวิทยาลัยราชภัฏมหาสารคาม  
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**TITLE:** The Study Groups behavior Using the Blended Learning and Team Games  
Tournament Cooperative Learning for Students in Enrichment Science Class  
of Mathayomsuksa 4 Students Borabuwittayakhan School.

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### **ABSTRACT**

The objectives of this research were to 1) study group working using the blended learning and TGT cooperative learning for students in enrichment science classroom Mathayomsuksa 4, 2) compare achievement scores after learning by the blended learning and TGT cooperative learning with the set criteria at 75 percent and 3) study the students' satisfaction on the blended learning and TGT cooperative learning. The sample group was 28 Mathayomsuksa 4 students in the second semester of the 2014 academic year from Borabuwittayakhan School. The research instruments comprised of 1) 6 lesson plans of the blended learning and TGT cooperative learning, 2) 6 online lessons, 3) a three-rating scales students' group working behavioral assessment form, totally 7 aspects, 4) the 20 items, four multiple choices, achievement test and 5) a three-rating scale questionnaire on students' satisfaction towards the blended learning and TGT cooperative learning form, totally 4 aspects, 16 items. The statistics used for data analysis were percentage, mean, standard deviation, and t – test.

The findings revealed that study group working using the blended learning and TGT cooperative learning helped operational steps, assisting each other, respect for the rule the idea of another comment, leadership and followership and collaborate successfully. Students' group behavior at very high level ( $\bar{X} = 95.67$ , S.D. = 0.06). The achievement score after learning using the blended learning and TGT cooperative learning was higher than the set

criteria of 75 percent with the statistical significance .05. The students' satisfaction on the blended learning and TGT cooperative learning, in overall, was at high level ( $\bar{X} = 4.17$ , S.D. = 0.70).



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