

## ABSTRACT

**I.D. No.:** 5419503

**Key Words:** MOTIVTION FOR LEARNING SCIENCE, SCIENCE ACHIEVEMENT, ENGLISH PROGRAM, THAI PROGRAM, MATHAYOMWATSING SCHOOL, BANGKOK

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**Thesis Title:** A CORRELATIONAL-COMPARATIVE STUDY OF MATHAYOM THREE STUDENTS' MOTIVATION FOR LEARNING SCIENCE AND THEIR SCIENCE ACHIEVEMENT IN THE ENGLISH AND THAI PROGRAMS AT MATHAYOMWATSING SCHOOL IN BANGKOK, THAILAND

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The study had six objectives which were 1) To determine the level of student motivation for learning science in the English Program at Mathayomwatsing school, in Bangkok, Thailand; 2) To determine the level of student motivation for learning science in the Thai Program at Mathayomwatsing school, Bangkok, Thailand; 3) To find the correlation between student motivation for learning science and student science achievement in the English Program at Mathayomwatsing school in Bangkok, Thailand; 4) To find the correlation between student motivation for learning science and student science achievement in the Thai Program at Mathayomwatsing school in Bangkok, Thailand; 5) To compare student motivation for learning science between students in the English and Thai programs at Mathayomwatsing school in Bangkok, Thailand; 6) To compare science achievement between students in the English and Thai programs at Mathayomwatsing school in Bangkok, Thailand.

The population of this study was all the students in Mathayom 3 at Mathayomwatsing school in Bangkok, Thailand. The researcher selected Mathayomwatsing 3 students in academic year 2013 from the English and Thai Programs at Mathayomwatsing school in Bangkok, Thailand as the subjects for data collection. Twenty-two students of Mathayom 3 from the English Program and 33 students from the Thai Program totaling 55 students who are studying science were asked to complete the science motivational questionnaire.

There were two research instruments. The first one was the science motivational questionnaire designed by Glynn and Koballa, 2006. The second one was the students' O-Net grades from the National Institute Educational Testing Service taken in March 2014.

The study's findings were 1) The level of student motivation for learning science in the English Program at Mathayomwatsing school in Bangkok, Thailand were "sometimes to often" motivated; 2) The level of student motivation for learning science in the Thai Program at Mathayomwatsing school in Bangkok, Thailand were "sometimes to often" motivated; 3) There was a significant relationship between student motivation for learning science and science achievement in the English Program at Mathayomwatsing school in Bangkok, Thailand; 4) There was a significant relationship between student motivation for learning science and science achievement in the Thai Program at Mathayomwatsing school in Bangkok, Thailand; 5) There was no significant difference of student motivation for learning science and science achievement between students in the English Program at Mathayomwatsing school in Bangkok, Thailand; and 6) There was no significant difference of student motivation for learning science and science achievement between students in the Thai Program at Mathayomwatsing school in Bangkok, Thailand.

In order to improve the academic motivation in students' science learning, science teachers need to effectively motivate their students in 1) questioning students to engage them

in the lesson, 2) incorporating hands-on activities to help learn the lesson concepts, 3) exhibiting enthusiasm in lesson presentations, 4) using a variety of activities, 5) believing that students can achieve, 6) building caring relationships in the classroom. There are a lot of differences in the English and Thai Programs at Mathayomwatsing school in Bangkok, Thailand. English Program students, while being quite independent learners, also like to join group work, to discuss in class and engage in project work with others.



**Field of Study:** Curriculum and Instruction

**Student's signature**.....

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**Academic Year 2014**