

ABSTRACT

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Thesis Title: A CORRELATIONAL STUDY OF MIDDLE SCHOOL STUDENTS' GRIT AND LEARNING PRACTICES WITH SCIENCE ACADEMIC ACHIEVEMENT AT AN INTERNATIONAL SCHOOL IN BANGKOK, THAILAND

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This study was a correlational study of the levels of grit and learning practices to science academic achievement of middle school students' in an international school in Bangkok, Thailand. This was carried out during the 2021-2022 academic year, from February 6th to February 18th, 2022. An online survey measuring grit was distributed to 225 middle school students, of which the researcher received 237 responses. 31 responses were omitted due to not fitting the research criterion, leaving the researcher with 206 responses. Learning practices and Science academic achievement levels were obtained from school data through science teachers. Collected data were analyzed by descriptive statistics and correlational analysis.

The researcher found the average level of grit to be above average at 3.08. The average levels of Learning practices are for Responsibility, 3.16, Engagement, 3.05, for Respect, 3.37, Reflection, 2.06. The level of learning practices is above average for responsibility, engagement, and reflection. The level of Reflection is average. The average level of the Science Academic Achievement is 3.28, which is above average.

The results of the study conclude that there is no significant correlation of the level of grit and learning practices with science academic achievement of middle school students in an international school in Bangkok, Thailand at $p < .05$. Grit was found to be insignificant during bivariate correlation testing for multiple correlation analysis. As such no further correlational analysis is needed.

