

## INVESTIGATION OF TEACHING MOTIVATIONS OF PROSPECTIVE MIDDLE SCHOOL MATHEMATICS AND SCIENCE TEACHERS IN TERMS OF SOME VARIABLES

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### Abstract

The purpose of this study is to investigate the teaching motivations of prospective middle school mathematics and science teachers in terms of some variables. The participants of the study were 318 students enrolled to department of middle school mathematics education and science education in a government university's education faculty. The data were collected by Teaching Motivation Scale which was developed by Kauffman, Yılmaz-Soylu and Duke (2011). Independent samples t-test, one-way ANOVA and descriptive statistics as mean and standard deviation were used to analyze data. As a result of the study, the teaching motivations of prospective science and middle school mathematics teachers was generally "middle" level, internal teaching motivations of them were bigger than external teaching motivations, external teaching motivations of prospective middle school mathematics were bigger than prospective science teachers, external and total teaching motivations of prospective teachers have "high" and "middle" academic success were bigger than prospective teachers have "low" academic success.

**Keywords:** Teaching motivation, Prospective science teacher, Prospective middle school mathematics teacher.