

THE EFFECT OF METACOGNITIVE TEACHING APPLICATION IN SCIENCE LESSON ON THE SUCCESS OF 7th GRADE STUDENTS

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Abstract

The aim of this research is to determine the effect of metacognitive teaching method of students' achievement. To achieve this goal, Mayer's (1987) math problems solving model was used in the solution of Ohm's Law and total resistance calculation of electrical circuits problems. 53 students who study in 7th grade in Şehit Ahmet Özsoy Kız İmam Hatip Secondary School in 2016-2017 educational year participated in this study and pre-test and post-test were applied to them. In order to reveal the success of the class, standard deviation and t-test were used. The data, obtained as a result of measurements made in the process of research, is analyzed in computer environment through SPSS package program. According to the results of the analysis, there is a significant difference between the post-test scores of the groups, in favour of the experimental group.

Keywords: Science, metacognition, achievement.