



THE EFFECT OF THE SCIENCE AND TECHNOLOGY COURSE INTEGRATED WITH CARTOONS ON STUDENTS' ACHIEVEMENT AND ATTITUDES

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Abstract

The purpose of this study is to investigate the effect of science and technology course integrated with cartoons on students' achievement and attitudes. Design of this study is pre-test, post-test experimental design. The sample of this study is 64 seventh grade students (control group=32, experimental group=32) in one of the public elementary school in Isparta. Children's attitude towards the environment and knowledge scale developed by Leeming and Dwyer(1995) was applied to both of the groups before and after application. Paired sample t test results showed all significant difference between pre-test and post-test scores for both experimental and control group with respect to attitude and achievement. When post test scores of experimental and control group were compared, results revealed statistically significant difference between experimental and control group with respect to achievement($p=.00$) and attitude($p=.00$). As a conclusion, using cartoons in science courses, increases the academic achievement and provides contribution to their attitudes.

Keywords: Cartoon, Environmental Knowledge, Environmental Attitude