ABSTRACT

THE EFFECTS OF USING THE EXPANDING (CORT 1) THINKING PROGRAM IN THE UNIT " ELECTIRICITY IN OUR LIVES" IN PRIMARY EDUCATION 7TH GRADE LESSON, SCIENCE AND TECHNOLOGY, TO STUDENTS ACADEMIC ACHIVEMENT, SCIENTIFIC CREATIVITY AND TENDENCY OF CRITICAL THINKING.

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The aim of this research is to examine the effects of using the Cort 1 thinking program in the unit "Electricity in our lives" in primary education's 7th grade lesson, to students' academic achievement, scientific creativity and tendency of critical thinking. Groups are selected from seventh graders with in Middle school of middle socioeconomic level in Aydın. The model of the study is Pre-test/Post-test control group quasi experimental design. The participants of the research, as in 24 students in experiment group and 24 students in control group (total is 48). The "Electricity in our lives" unit, the achievement test, critical thinking tendency scale and scientific creativity scale, are the tools of data collection for research. The critical thinking tendency scale, scientific creativity scale, achievement test developed in order to measure the students' academic achievement were applied the both groups before and after experiment. The mentioned unit has been carried out to the experiment group as using predominantly practice expression with the support of activity papers, and with respecting to lesson program and the textbook to control group. One factor ANCOVA for complicated measurements was used in order to measure if any specific differences between the methods used in both groups. Eventually the experiment group which was used the Cort 1 thinking program education was more accomplished than the other group in academic achievement, scientific creativity and tendency of critical thinking.

Key words: Electricity in our lives, Cort Thinking Program, Critical Thinking, Creativity, Scientific Creativity, Academic Achievement.