

## THE EFFECT OF COMPUTER SUPPORTED EDUCATION TO THE CONCEPT KNOWLEDGE AND ATTITUDE

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### Abstract

This research is carried out with the aim of investigating the effect of Computer-assisted teaching method in science and technology education to the concept knowledge and attitude towards lesson sixth grade students of primary education. This research is applied on the total 55 students. In the research pre and post test with in control group experimental model was used. “Electricity in our life” unit was designed according to Computer-assisted teaching method applications; lesson plans and presentations were developed. Groups have been chosen randomly. Students of experimental and control groups were tried to make equal due to variables. All groups were taught four hours per week, twelve hours in total. “Personal Information Form”, concept tests and an attitude test were used to collect data in the research. Test were given as pre-test and final test to both groups before and after experimental process. In experimental group Computer-assisted teaching method was used and in control group constructivist model based on and was used. After the experimental process tests were used as post test and the data were analyzed by SPSS 13 program with t-test in dependent groups and paired samples t-test. At the end of the research , it is determined that Computer-assisted teaching method has positive effects on concept knowledge; however, computer assisted teaching method has no effects on attitudes.

**Keywords:** Electricity in our life, Concept Knowledge, Science, Computer-Assisted Instructed, Attitudes.