EFFECTIVENESS OF ICT BASED SCIENCE TEACHING ON STUDENTS’ ACADEMIC PERFORMANCE

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ABSTRACT:

In the present study researchers tried to study the effectiveness of Information and Communication Technology on primary school students and ascertain relationship between effectiveness of ICT and Academic Performance of Govt. primary school students with respect to gender and type of teaching. Experimental method was used for the study. The sample of the study was 480 students from 16 government schools from 4 different talukas of Shivamogga district. Two homogenous groups were formed randomly for the study and the effects of independent variables were tested under experimental conditions.

Raven’s progressive matrices intelligence scale was used to determine the homogeneity of the participants. After one month, the delayed post-test for achievement in science was administered to determine the retention level of the students. The statistical techniques used to analyze the data were the independent sample t-test and paired sample t-test. The findings indicated that as far as the overall achievement in science, retention of knowledge, comprehension, application, and skills are concerned, the ICT-based method of teaching of science was more effective than the conventional method of teaching. The effects of gender varied according to comparisons.


REFERENCE:


