AN INVESTIGATION TO THE EFFECTIVENESS OF E-LEARNING IN
TEACHING AND LEARNING OF SCIENCE AT SECONDARY SCHOOL LEVEL.
A CASE STUDY OF TWO SECONDARY SCHOOLS IN GURUVE DISTRICT.

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Abstract

The research study aimed at investigating the effectiveness of e-learning in teaching and learning of science at secondary school level in Guruve district. In this study, e-learning’s effectiveness was evaluated at two secondary schools in Guruve District. The data was collected by mixed methods, using a questionnaire from a sample of two hundred pupils and a focus group interview of eighteen science teachers. The findings revealed that pupils are able to learn autonomously using all features made available by the technology. They reported that they were motivated by the interactivity of e-learning. There was positive agreement by all science teachers on good results obtained through implementation of e-learning. The study also reflected that lack of resources and educational technology is hindering the successful implementation of e-learning in science education. It is concluded that there is need to use e-learning in teaching and learning as this will enhance and compliment learning and teaching of science.