

Challenges of Adoption of Information Communication Technology on Teaching and Learning in Public Preschools in North Rift Region, Kenya

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Abstract

Given that the implementation of information communication technology (ICT) in teaching preschool learners has worked in various parts of the world, it is prudent to investigate; adoption of ICT in the Kenyan context. The purpose of this study is to evaluate challenges of adoption ICT on teaching in pre-schools in North Rift Kenya. The study used combination of descriptive and exploratory research designs. The target population comprised teachers and head teacher drawn from 6728 pre-school in the 6 counties in North Rift Region. The study employed stratified sampling and random sampling method. To collect primary data, questionnaires and interview schedules were used. Quantitative data collected were analyzed using descriptive statistics. Findings showed that schools lack adequate funds to adoption of ICT in pre schools, classrooms have not been renovated in readiness for the ICT adoption, computer labs are not in place and there is also lack of book manuals by KIE for ICT adoption It was clear that training levels of teachers in the use of computers in public pre primary schools was wanting given that only a few had trained in computer usage due to the fact that teachers did not rely on computers in the learning process Since teachers are central in the adoption of ICT in pre primary schools, there is need to provide them with necessary knowledge, skills and understanding to successfully integrate ICT into everyday educational practices The Ministry of Education should develop a policy to guide the use of computer in public pre primary so as to heighten ICT knowledge and competence in all public pre primary schools in the country.

Keywords: ICT Adoption, Attitude, Policies, Awareness, Resources, Challenges

Full text: <http://ijecm.co.uk/wp-content/uploads/2015/12/31234.pdf>