

Abstract

This study sought to investigate the influence of availability of computer facilities on integration of information communication technology in teaching and learning in public primary schools in Kakamega County, Kenya. The study objectives sought to: determine the influence of availability of computer facilities for ICT integration in teaching and learning in public primary schools in Kakamega County, establish the level of adequacy of computer facilities for integration of ICT in teaching and learning public primary schools in Kakamega County and to examine the influence of missing computer facilities for ICT integration in teaching and learning in public primary schools in Kakamega County in Kenya. The study used Technological Pedagogical Content Knowledge model. Descriptive survey design was used for the study. Census, proportionate, simple random and purposive sampling techniques were used for the study. The sample size included 356 and 189 public primary school teachers and head teachers respectively, and 1 county director of education. The study used questionnaires and interview schedules to collect data. Data was presented using tables and charts and it was analyzed both a quantitatively and qualitatively. The Chi-square (χ^2) test was used to determine the degree of relationship between teachers' integration of information communication technology and teaching and learning in public primary schools. The study was significant in that, the findings may help policy makers develop policies that may improve on how teachers in future can integrate computer facilities into teaching and learning, particularly in primary schools. The study therefore recommends that, in order to provide public primary schools with adequate computer facilities and to increase the number of schools receiving grants in order to raise money for purchasing computer facilities for schools, the government should consider the possibility of forming partnerships with sponsors like Computer for Schools Kenya and New Partnership for Africa's Development.