Types of ICT Materials Available for Teaching of Geography in Secondary Schools in Rongo District

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Abstract

This article explored the use of ICT in teaching of Geography to students in Rongo secondary schools in Kenya. Objective of this article was; to establish the types of ICT materials available for teaching Geography in secondary schools in Rongo District, Kenya. The Research question was: Which ICT materials are available for teaching Geography in secondary schools in Rongo District? This study was guided by sensory-education theory (Maria Montessori 1870-1952) who emphasized on teaching methods involving actions on things rather than listening to the teachers. The study adopted the descriptive survey design and targeted a population of consisting of form two Geography teachers and students from 40 registered secondary schools in Rongo district. Simple random sampling was used to select 12 schools in Rongo district of which 30% of total number of enrolment that is 1,200 students, 360 of them were used as respondents. Data was collected using closed and open ended questionnaires. The questionnaires were pre-tested by being administered to respondents from two schools in Gucha district as Pilot Schools for this study. The scores obtained from the first and second tests were : 0.69, 0.60 and 0.73 respectively which was good enough for the instrument which is above 0.50 value recommended as minimum reliability coefficient value required to judge the instrument. The descriptive statistics including percentages mean and frequency tables were used to analyze the data. Data was analyzed using the Statistical Package for Social Sciences (SPSS) version 15 computer programme. The results of the study indicated that ICT resources are inadequately supplied in most schools in Rongo District.

Keywords: ICT materials, Geography, teaching, Secondary school, Education