

Teachers' Accessibility to and Utilization of Electronic Media for Teaching Basic Science and Technology in Ilorin Metropolis, Kwara, Nigeria

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Abstract : Electronic media has created new options for enhancing education. It has long been providing innovative methods for arousing students' attention in learning and improves teachers' performance in disseminating instructional contents. However, the advancement of electronic media has increased the flexibility, availability, accessibility and improved communications among students-students, students-teacher, and teacher-students. This study investigated: (i) teachers' accessibility to, and utilization of electronic media for teaching basic science and technology in Ilorin metropolis; (ii) the influence of school proprietorship on teachers' access to and utilization of electronic media for teaching and; the influence of teachers' gender on the use of electronic media. The research was a descriptive design using the survey method. The study sample was drawn for private and public secondary schools in Ilorin Metropolis. The respondents were 285 basic science and technology teachers, which comprised of 146 males and 139 females. A structured researcher designed questionnaire was used to gather data for the study. Pilot study was carried out on mini sample of 20 basic science and technology teachers in five schools which are not part of the study's population. It was then subjected to Cronbach's Alpha and yielded the values 0.794 for availability, 0.730 for accessibility and 0.84 for utilization of electronic media. The research questions were answered using mean and percentage while research hypotheses one and two was tested using t- test. The findings of the study showed that: (i) electronic media are available for teaching basic science and technology; (ii) teachers' had access to electronic media for teaching; (iii) teachers' utilized electronic media for teaching basic science and technology; (iv) there was no significant difference between teachers' utilization of electronic media for teaching; (v) there was no significant difference between teachers' utilization of electronic media for teaching based on school proprietorship. The study, therefore, concluded that teachers' had access to electronic media and utilized it for teaching purposes. Gender had no influence on teachers' access to and utilization on electronic media for teaching and also, school proprietorship had no influence on access and utilization of electronic media for teaching. Based on findings it was recommended that electronic media should be made available and utilized in all schools across the nation to improve the learning rate of the students.

Keywords : electronic media, basic science and technology, teachers' accessibility, Nigeria

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