Abstract

Biology is a study of life and it is essential that students studying any science related course have an understanding of the subject, however, students’ achievement in Senior Secondary Certificate Examination in Biology in Nigeria generally and in Ogun State in particular has been seemly poor and declining [5], [29], [21]. This trend has been partially attributed to students’ low computer skills and utilisation of ICT facilities. Among others; thus, raising concern about that portent danger for the possibility of realizing the objectives of science education. Some previous studies have largely focused on proprietors, school, parents and students’ related factors. The study adopted ex-post facto design of the correlational type. Multistage sampling technique was employed to select the participants. A total of 2548 SSS II science students participated. Computer Skills Assessment Questionnaires (CSAQ) was validated using Pearson Product Moment Correlation (PPMC) with 0.91 reliability coefficient and Achievement Tests Biology with reliability coefficient of were used to collect the data for the study. The ensuing data from the field exercise were analysed using Pearson product moment correlation and multiple regression statistics at 0.05 level of significance to test the hypotheses. The results showed that there was
significant difference in students' achievement in Biology based on school type. Also, students' computer skills correlate with achievement in Biology in both public and private secondary schools in Ogun state. The study, therefore, recommended that examination bodies should include computer skills acquisition in Senior Secondary Certificate Examination syllabi and the testing of computer skills in addition to covering the cognitive domain of learning in Biology.

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Index Terms

Computer Science
Information Sciences

Keywords

Secondary School Students, Computer skills, Academic Achievement, Biology Achievement, Ogun State, Nigeria