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 seemingly 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...
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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.

References

7. Anon, 2013 Opon Imo will save Osun N8.4billion of Textbook procurement cost. Channel Television. (April 12, 2014)
14. Kpolovie, P. J., Joe, A. I. and Okoto, Tracy 2014 Academic Achievement Prediction: Role of Interest in Learning and Attitude towards School International Journal of Humanities Social Sciences and Education 1. 73-100
22. Nwagbo, C.R and Okoro, A.U 2012, Effect of Interaction Patterns on Achievement in Biology among Secondary School students (Feb 4, 2013) from
27. Takayama, B. 2008 Academic Achievement Across School Types in Hawai`i: Outcomes for Hawaiian and Non-Hawaiian Students in Conventional Public Schools, Western- Focused Charters, and Hawaiian Language and Culture-Based Schools (March 20, 2014)
31. WAEC, 2010a West African Examination Council Examiners (Nov/Dec. WASSCE) Chief Examiners’ Reports Nigeria
32. WAEC, 2010b West African Examination Council Examiners (Nov/Dec. WASSCE) Chief Examiners’ Reports Sierra Leone
33. WAEC, 2010c West Africa Examination Council Examiners (Nov/Dec. WASSCE) Chief Examiners’ Reports Gambia
34. WAEC, 2010d West African Examination Council Examiners (Nov/Dec. WASSCE) Chief Examiners’ Reports Ghana
35. Wikipedia (2012) computer skills ideology (Mar, 2014)

Index Terms

Computer Science | Information Sciences

Keywords

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