

Teachers' and Learners' ICT-Readiness Assessment for Agricultural Science Instruction in Secondary Schools in Ogun State, Nigeria

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Abstract : This study investigated the teachers' and learners' ICT-readiness assessment for agricultural science instruction in secondary schools in Ogun State, Nigeria. However, the sample population of 6 and 120 agricultural science teachers and learners were randomly selected respectively from 3 public and 3 private senior secondary schools in Ado-Odo/Ota Local Government Area of Ogun State, Nigeria. Descriptive survey design of ex post-facto type was adopted for the study. Two structured questionnaires tagged Teachers' and Learners' Questionnaires on ICT-Readiness for Agricultural Science Instruction TQICTRASI and LQICTRASI respectively were used for data collection. The two questionnaires were subjected to Cronbach alpha coefficient with the results 0.86 and 0.82 respectively. Five research hypotheses were tested at 0.05 level of significance. Findings revealed that teachers in private senior secondary school (SSS) were more ready and prepared than their counterparts in public SSS with the result $t\text{-value} = 4.25$ greater than $t\text{-critical} = 2.77$, $df = 4$ at $p < 0.05$. Also, learners in private SSS were more prepared and ready for the utilisation of ICT-facilities for agricultural science instruction with the result $t\text{-value} = 3.51$ greater than $t\text{-critical} = 1.98$, $df = 118$ at $p < 0.05$. However, male and female learners in both private and public SSS were equally prepared and ready for the ICT-facilities utilisation for agricultural science instruction, thus, there were no significant differences in their ICT-readiness. Therefore, the study proffered that, both male and female teachers and learners should be more ICT-compliant and always ready to upgrade their skills and knowledge in ICT-facilities, utilisation for agricultural science instruction and even for other school subjects particularly in Ogun State and in generally in Nigeria.

Keywords : ICT-readiness, teachers' and learners' assessment, private and public senior secondary schools, agricultural science instruction

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