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CONSTRAINTS TO EFFECTIVE UTILIZATION OF STUDENT-CENTERED INSTRUCTIONAL-STRATEGIES FOR TEACHING BLOCKLYING,. BRICKLAYING.AND-CONCR ETING AT-TECHNICAL COLLEGE LEVEL'S-IN NIGER STATE, NIGERIA

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Abstract

Constraints to effective utilization of student's-centered instrouctional approach meant for coaching Blocklying, Brick laying plus Concr eting (BBC) within technical college s' of Niger St ate, Nigeria. Three search inquiries plus three tentative insights directed this work. A surveyed search anticipated outcome was espoused aimed at this work. This work was carried out within seven technical institutions in Niger state. The target population was 55 respondents consisting of 38 experienced and 17 less experienced teachers. The tool designed for collecting information remained Opinion poll called Constraints to Effective Utilization of student's -centered Instructional methods intended for Educating B.B.C. (CEUSISTBBC). The tool was certified by three (3) Lecturers. Cronbach Alfa technique ascertained reliability coefficient of tools which was found to be 0.89. Mean plus established variation was exploited to resolve the reseacrh inquiries as t-test statistic was put-upon to test tentative insight of study at 0.05 level of quality signification. Discovering's of the work revealed all teaching strategies identified are student-centered instructional strategies. From the discoveries, it was advised that student's- engaged instructional approaches identified in this study should be made a requirement for teaching/learning situation by the technical colleges in Niger state as ministries of education should provide adequate funding.

Keywords: *Student-centered Instructional Strategies, Experienced and Less experienced Teacher, Teaching and Technical College*

Research Highlights

A student-centered instructional strategy is a teaching method premeditated for the learners. For every student's to become successfully in any given examination, good quality education or instruction, course of action and ways for teaching as well as learning situation would be the consequence. However, it has been observed that students performances in school examinations has persistently grow worse especially in technology education where the craft of laying Block, Brick and Concreting is achieved. This issue has posed lots of worry to all stakeholders in education and has resulted in many researches. Brainsford, Brown, Cocking and Washington (2000) Noted that although, old-style discourse method might stand effectual aimed at expeditiously spreading a large mass of message to a large number of student's, those one'way exchange ofttimes encourage inactive and apparent acquisition which do not arouse student's zest, and self-assurance.

Research Objectives

An investigation of the constraints to effective utilization of student's -centered instructional approach for teaching blocktaying craft, concreting plus brickworks within technical institutions within Niger state, found student-centered instructional strategies for teaching in a

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way to improve knowledge acquisitions in solving problems and decisive thinking among technical college student in Nigeria. The study considered the following areas; student's engaged instructional approach for teaching BBC, challenges hindering effective utilization of student's -centered instructional approach for teaching BBC and the solution to effective utilization of student's -affianced instructional plan for teaching craft of laying Block, Brick and Concreting. at technical College's of Niger state.

Methodology

We conducted this study using descriptive survey research design. The design was suitable as it looked for the view of respondents on the constraints to effective utilization of student'scentered instructional style for teaching B.B.C. at technical college level of Niger state. 55 participants made of 38 Experienced Teachers 17 Less Experienced Teachers. The study was conducted from December 5, 2019 to January 15 2020.Highly organized questionnaire title

"Questionnaire on Constraints to Effective Utilization of Students - Centered Instructional 5trategies for Teaching B.B.C. at Technical Colleges in Niger State" (QCEUSCISTBBCTCNS) were exploited as document for data collections. Four point rating system was used for the study to answer research question. Reliability co-efficient of the instruments was 0.89 and the internal consistency was 0.86 employing Cronbach Alpha(statistic. Mean plus established variations were used to analyzed the value collected aimed at study.

Results

All 17 items stood concord as Students -centered Instructional approach for teaching BBC at technical colleges in Niger State with grand mean ranging from 2.62 – 3.35. This connote that all the teaching strategies identified are student-centered instruction strategies for teaching. Also, the two groups were in agreement to all the items as challenges hindering effective utilization of students - affianced instructional style for teaching BBC in technical college's within Niger State with grand mean ranging from 2.67 – 3.71. Hence, the probability of not put into use the student-engaged instructional strategies for teaching at technical college level in Niger State and finally, all the two groups were concurrence of opinion on the solution to effective utilization of student:-centered instructional strategies for teaching craft of laying Block, Brick and Concreting at technical college level as all groups agree to 17 items with expected value between 2.57 – 3.36.

Findings

All coaching strategies identified were students'-centered Instructional strategies for teaching, the craft of concreting, laying block, as well as bricklaying. Meanwhile, corruption, poor funding, lack of ICTs facilities, Students demand to some specific nature, poor learning

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environment, absence of facilities among others are the challenges hindering intended utilization of students--centered instructional strategies and thus, improved facilities, adequate power supply, adequate funding, regular training opportunities, among others are the solution to effective utilization of student-centered instructional strategies.

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We sincerely thank the Management of Technical colleges as well as the Blocklaying, Bricklaying and Concreting Teachers in Niger state for their support, time, understanding and cooperation in making this study a reality.

References

Brainsford, J. D., Brown, A. L., Cocking, R. R., & Washington, DC (2000) How people learn, brain, mind, experience and school. Committee on developments in the science of learning *National Academic Press* [Google Scholar]

Ibrahim, D., Ohize, E. J., Omozokpia, P. A., & Raymond, E. (2017) Effects of Videotaped and text Based Computer Assisted Instruction on Students' Performance in Blocklaying, Bricklaying and Concreting in Technical Colleges in Niger State, Nigeria. *International Journal of Research in Science, Technology and Mathematics Education* (IJRSTME) 5(1) 11-21 ISSN: 2354-3590

Ogbuanya, T. C. & Owodunni, S. A. (2013) Effects of Reflective Inquiry Instructional Technique on Students' Achievement and Interest in Radio Television and Electronics Works in Technical Colleges. *Journal of International Organization for Scientific Research,* 3(11) 1-11

Raymond, E. & Ogbuanya, T. C. (2013) Comparative Effects of Cognitive and Traditional task Analysis-Based Instructional Guide on Students' Achievement in Electronics Works. *International Journal of Research in Science, Technology and Mathematics Education* (IJRSTME) 4(2) 138-142

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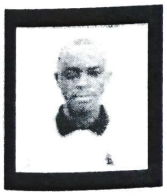

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