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Analysis of Effect of Science Instructional Materials on Students' Academic Performance in Ilorin West, Kwara State

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Abstract

This study examined the analysis of the effect of science instructional materials on students' academic performance in Ilorin West, Kwara State. Three research questions were formulated while two hypotheses were tested for the study. The study was descriptive research of the survey type. It was targeted at science students in various schools in Ilorin West, Kwara State, Nigeria. A random sampling technique was used to select 120 science students from various schools in Ilorin West LGA, Kwara State, Nigeria. The research-designed questionnaire was used to accumulate information about class size, school type, and academic performance from respondents. The data accumulated was analyzed using frequency count and percentage, mean, and standard deviation while the research hypotheses were analyzed using an independent t-test and ANOVA. Findings from the study revealed that science instructional materials have a great effect on various school students' academic performance. The students taught with science instructional materials have excellent performance compared to those taught without the science instructional material. There was also a significant effect based on school type while there was no significant effect based on class size. Recommendations made based on this result were that the Ministry of Education should take responsibility for providing science instructional materials to broader schools to enhance better performance in science around the state.

Keywords

Effect; Science Instructional Materials; Students' Academic Performance

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References

- Abidoye F. O. (2021). Effect of laboratory practical on senior secondary student's academic performance in Biology in Ilorin South LGA, Kwara State. *Eurasian Journal of Science and Environmental Education*, 10(2), 34–49.
- Abidoye F. O., Maroof, Z. A., Ahmed, A. R., & Ogunlowo, O. S. (2022). Instructional resources for teaching biology secondary schools in Moro, Kwara State, Nigeria. *JPBI (Jurnal Pendidikan Biologi Indonesia)*, 8(2), 187–193.
- Adeyemi, A. O., & Bello, G. (2017). Conceptions of the nature of science held by undergraduate pre-service biology teachers in South-West Nigeria. *Malaysian Online Journal of Educational Sciences*, 5(1), 1–9.
- Adeyemi, T. O. (2008). The influence of class size on the quality of output in secondary schools in Ekiti State, Nigeria. *American Eurasian Journal of Scientific Research*, 3(1), 7–14.
- Abdu-Raheem, B. O. (2012). The influence of gender on secondary school students' academic performance in South-West, Nigeria. *Journal of Social Sciences*, 31(1), 93–98.
- Arop, B. A., Umanah, F. I., & Effiong, O. K. (2015). Effect of instructional materials on the teaching and learning of basic science in junior secondary schools in Cross River State, Nigeria. *Global Journal of Educational Research*, 14(1), 67–73.
- Asrizal, A., Amran, A., Ananda, A., & Festiyed, F. (2018). Effect of instructional material of natural science with literacy skills of our Respiratory and Excretory Health Theme on Academic Achievement of Students. *Journal of Physics: Conference Series*, 1317, 012174.
- Awolaju, B. A. (2016). Instruction materials as correlates of students' academic performance in biology in senior secondary schools in Osun State. *International Journal of Information and Education Technology*, 6(9), 705–708.

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Ehebha, G. A. & Adeyinka, O. L. (2022). A paper on the influence of classroom sizes on biology students' educational achievements. *International Journal of Innovative Science and Research Technology*, 7(7), 241–248.

Ekundayo, H. T. & Alonge, H. O. (2012). Human and material resources as correlates of academic performance of private and public secondary school students in Ondo State, Nigeria. *European Scientific Journal*, 8(10), 170–180.

Glaze, A. L. (2021). Acceptance, confidence, and time: Exploring dynamics of middle and secondary science teacher autonomy in teaching evolution in the Southeastern United States. *Eurasian Journal of Science and Environmental Education*, 10(2), 63–75.

Igbinedion, V. I., & Epumepu, E. A. (2011). A comparison of students' academic performance in business studies in public and private junior secondary school certificate examinations (JSSCE) in Ovia South West Local Government Council Area of Edo State. *Technical and Vocational Education Journal (TVEJ)*, 3(1), 42–53.

Neji, H. A. & Ntibi, J. E. E. (2019). Effect of E-learning devices on chemistry students' academic performance in Calabar Municipality, Cross River State. *Interdisciplinary Journal of Science Education*, 1(1), 170–178.

Okhakhu, D. O., Oladiran, M. D., & Omoike, D. A. (2016). Instructional materials as determinants of students' academic performance at the secondary school level In Ikorodu local government, Lagos State, Nigeria. *Information Impact: Journal of Information and Knowledge Management*, 7(1), 138–149.

Omunu, M. O., Onchera, O., & Kimutai, C. K. (2016). Availability and use of instructional resources for teaching and learning of English reading skills in secondary schools in Teso North Sub County, Kenya. *Educational Research*, 7(1), 1–9.

Onasanya, S. A., & Omosewo, E. O. (2011). Effects of improvised and standard instructional materials on secondary school students' academic performance in Physics in Ilorin Nigeria. *Singapore Journal of Scientific Research*, 1(1), 68–76.

Owoeye, J. S., & Yara, P. O. (2011). Class size and academic achievement of secondary schools in Ekiti State Nigeria. *Asia Social Science*, 7(6), 184–186.

Portana, H. V., Fronda, J. G., Policarpio, D. G. T., Rigat, K. A. R. C., & Llamas, G. A. (2021). Effectiveness and acceptability of instructional material in the enhancement of students' academic achievement. *International Journal of Advanced Engineering, Management and Science (IJAEMS)*, 7(1), 12–15.

Ruffina, A. N., Esther, A. E., & Anastecia, I. N. (2018). Impact of class size on students' academic performance in biology in Idemili North Local Government Area of Anambra State. *International Journal of Education and Evaluation*, 4(8), 22–32.

Syatriana, E., Husain, D., Haryanto, H., & Jab, B. (2013). A model of creating instructional materials based on the school curriculum for Indonesian secondary schools. *Journal of Education and Practice*, 4(20), 10–19.

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