

Profile of Mr Korsi K. Agbozo



Korsi K. Agbozo is currently a Mathematics tutor and the unit head of mathematics at the Department of Mathematics and Information and Communication Technology at the Presbyterian College of Education, Akropong-Akuapem, Eastern Region, Ghana and teaches both methodology and content in mathematics and educational statistics. He is versatile and can teach subjects at all levels. He taught different aspects of mathematics

at the University of Education Winneba, Institute for Educational Development and Extension (IEDE) via Centre for Distance Education, Institute of Education (University of Cape Coast) Bachelor of Education (Sandwich) Programme, and the Secondary and the Junior High School levels. He is the team leader for the West African Examination Council (WAEC) in Mathematics (Core).

Korsi K. Agbozo's educational background is a testament to his dedication to mathematics education. He holds a Master of Philosophy (M. Phil) in Mathematics Education and a Bachelor of Education in Mathematics, both from the University of Cape Coast. Currently, he is a Ph.D. candidate in Education (Mathematics). His academic journey began at Mfantsipim School and Awudome Secondary School, Tsito, for the A—and O—levels, respectively. His philosophy of Mathematics is that it is learnable and teachable, a belief he instils in every learner. He was the immediate past Hall Dean for The Great Akyekyere Ne Nwaw Hall, Presbyterian College of Education.

His interest areas include mathematics problem-posing and problem-solving, young children's learning in mathematics, the history of mathematics as well as the following:

Impact of Technology on Mathematics Education: Exploring how various technological tools and platforms influence teaching methodologies, student engagement, and learning outcomes in mathematics education.

Teacher Professional Development: Investigating effective strategies for the ongoing professional development of mathematics teachers, including the integration of new teaching approaches and the impact on teacher performance.

Equity and Inclusion in Mathematics Education: Examining approaches to ensure equitable access to quality mathematics education for all students, regardless of socioeconomic background, ethnicity, or gender.

Interdisciplinary Approaches: Studying how mathematics education can be integrated with other subjects and real-world applications to enhance learning and make mathematics more relevant to students.

Cognitive and Affective Factors in Learning Mathematics: Analyzing the cognitive processes and emotional factors that influence how students learn mathematics, including the role of anxiety, motivation, and mindset.

Some of his works include the following:

Agbozo, K. K., Boateng, F. O., Agyei, E., & Appiagyei, E. (2024). Pre-service teachers' perceptions of mathematics education and social justice. *Contemporary Mathematics and Science Education*, 5(2), ep24007. <https://doi.org/10.30935/conmaths/14638>

Agyei, E, Agbozo, K. K. & Arthur, Y. D. (2024). History of mathematical concepts and Students' cognitive understanding of Mathematics: Effect of pedagogical content knowledge. *Journal of Mathematics and Science Teacher*, 4(3), em065. <https://doi.org/10.29333/mathsciteacher/14585>

Amadi, J. C., Bukari, H. I., & Agbozo, K. K. (2022). Teacher qualities and learning outcomes in primary and secondary schools. In N. R. George, N. Wonu, & I. G. Zalmon (Eds.), *Trends in primary and secondary school mathematics education* (pp. 53 – 62). Katapuno-prints.

Agbozo, K. K. & Fletcher, J. A. (2020) Pre-service teachers' understanding of some selected concepts of fractions. *European Journal of Education Studies*, 7(2), 90 – 111. <https://doi.org/10.5281/zenodo.3722670>

Agbozo, K. K. (2020). Pre-service teachers' expressed attitude toward teaching of fractions and some concepts of fraction. *European Journal of Research and Reflection in Educational Sciences*, 8(3), 224 – 235.

K. K. Agbozo, E. Ansong & D. A. Wiafe (2020). Learning, teaching and applying numbers and algebra: A practical guide (Text Book - in print). Mathematics made easier for both teachers in practice and in training.

Areas of Specialization:

Advanced Classroom Instructional Practices

Curriculum Theory in Mathematics Education

Research Design and Methods

Technology in Mathematics Education in the 21st C

Socio-Cultural and Ethnological Foundations in Mathematics

Instructional tools in teaching mathematics

Methods of teaching basic schools' mathematics

Psychological Basis of Teaching and Learning Mathematics

Pedagogical Content Knowledge in Teaching Mathematics

Algebra

Calculus

Mathematics Investigation

Curriculum Studies in Mathematics

Trigonometry

Educational Statistics

Mathematics for Economics