

# OSMOND AMPONSAH ASIAMAH

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## PROFILE

I am a PhD student, and a certified professional mathematics educator with over a decade of experience and dedication to teaching, mentoring, research, and leadership. I am committed to fostering a love of learning in all students by creating engaging and effective mathematics classrooms. Ability to design and implement innovative curriculum, implement research-based teaching strategies, integrate cutting-edge technology to make mathematics interesting and meaningful for students, and mentor future educators. I am a strong advocate for inclusivity and equity in mathematics education. As a motivational educator, I possess strong communication, analytical, and multitasking abilities, and consistently achieve results while maintaining meticulous attention to detail.

## EDUCATION

**2024 –** : **Doctor of Philosophy in Mathematics Education:** University of Delaware, Newark, U.S.A.

**2014 – 2019:** **Master of Philosophy in Mathematics Education:** University of Cape Coast, Cape Coast

**2006 – 2010:** **Bachelor of Education in Mathematics:** University of Cape Coast, Cape Coast

## RESEARCH EXPERIENCE & PUBLICATIONS

Sam, S. E., Mensah, J. Y., Eduah, S., Dobre, S. A., & **Asiamah, O. A.** (2024). Assessment of Factors Influencing Geometry Achievement in Senior High Schools in Ghana. *Assessment*, 15(9).

Owusu-Darko, I., Ebo-Sam, S., & **Asiamah, O. A.** (2024). The Interconnections of Akan Informal Ethnomathematics and School-based Formal Curriculum Mathematics. *Indonesian Journal of Ethnomathematics*, 3(1), 1-24. <http://doi.org/10.48135/ije.v3i1.1-24>

**Asiamah, O. A.**, & Fletcher, J. A. (2023). The Effect of Video-Based Pedagogy on Students' Spatial Ability in Solid Geometry. *Asian Journal of Interdisciplinary Research*, 6(4), 26–36. <https://doi.org/10.54392/ajir2344>

**Asiamah, O. A.** (2020). *Effect of Video-Based Instruction on Student's Relational Understanding & Attitudes in Solid Mensuration*. [Master's thesis, University of Cape Coast]. UCC Institutional Repository. <https://ir.ucc.edu.gh/xmlui/handle/123456789/4618>

**Asiamah, O. A.** (2010). *Teachers' Knowledge in Algebra in Relation to Pupils' Achievement at the Junior High School Level* [Unpublished Bachelor's degree project work]. University of Cape Coast

## RESEARCH INTERESTS

- Teaching & Learning Resources
- Professional Development
- Technology in Teaching & Learning
- Curriculum Design & Alignment

## RESEARCH SUPERVISION & MENTORING

**2024:** Bachelor of Education (Basic Education) Project Work: 13 Student Teachers

**2023:** Bachelor of Education (Basic Education) Project Work: 11 Student Teachers

## **PROFESSIONAL EXPERIENCE**

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**2024 – Graduate Research Assistant:** School of Education, University of Delaware

**2021 – 2024: Mathematics Education Lecturer:** S.D.A. College of Education, Asokore – Koforidua

**2019 – 2021: Mathematics Teacher:** Tema Secondary School (TEMASCO), Tema – Accra

**2010 – 2019: Mathematics Teacher:** St. Francis Senior High Technical School (FRANSTECH), Akim Oda

## **TEACHING PROFESSION QUALIFICATIONS**

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**2023:** Qualified Teacher Status (Department for Education, England)

**2002:** Republic of Ghana Teachers' License (National Teaching Council)

**2002:** Registered Teacher (Ministry of Education/Ghana Education Service)

## **PROFESSIONAL DEVELOPMENT & WORKSHOPS**

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**2024:** Certificate in Collaborative Institutional Training Initiative Program.  
Course in the Protection of Human Subjects in Research: October 2024

**2024: Participant:** Basics of Research Data Management; University of Delaware  
Library, Museums, and Press: October 2024

**2023: Facilitator:** Workshop on Teacher's Professional Development and Knowledge of Learners at  
Kwaobaah Nyanoa Community SHS; Professional Learning Community Session: August 2023

**2023: Facilitator:** Workshop on Teacher's Professional Development, and Teaching and Learning at  
Asuom SHS; Professional Learning Community Session: July, 2023

**2023: Certified Participant:** 3rd Ghana – USA International Webinar on “Teacher Noticing of Children’s  
Mathematical Thinking in Written Work”: May 2023

**2023 – 2024: Participant:** Ph.D. Research on Developing Mathematics Teacher Educators’ Pedagogical  
Technology Knowledge for Teaching with Dynamic Mathematics Technology  
(UCL Knowledge Lab Institute of Education, London – UK)

**2022: Facilitator:** Workshop on Test Item Writing & Construction for Tutors Mathematics Department, S.D.A.  
College of Education: September 2022

**2022: Participant:** Workshop on Test Item Writing & Construction for Tutors of Colleges of Education  
Affiliated to University of Education, Winneba, ITECPD, Winneba: August 2022

## **LEADERSHIP EXPERIENCE**

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**2022 – 2024: School Improvement Advisor:** Facilitating School Self-Evaluation; Designing, Implementing,  
Monitoring, and Reporting School Improvement Plans; and School Leadership & Management Training  
of Ghana’s Secondary Education Reform Programme  
**Sponsors:** Ghana Education Service, Transforming Teaching Education & Learning, National Teaching  
Council, Mastercard Foundation