Godwin Kwame Aboagye

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University of Cape Coast

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RESEARCH

Interests	Concept Development · Assessment · Curriculum Issues · Critical Thinking · ICT in Education
Areas	Education · Developmental and Educational Psychology · Experimental and Cognitive Psychology · Cognitive Neuroscience · Computer Science Applications · Health, Toxicology and Mutagenesis

RESEARCH SUMMARY

22	80	5	2	1.65	18%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 22 publications listed below, 2011–2026. Field-weighted impact is the mean over the 11 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 11 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Dr
Science education, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Ph.D 2011–2016
Science Education, University of Cape Coast, Cape Coast, Ghana

DISTINCTIONS, MEMBERSHIPS AND SERVICE

Head of Department 2022–2024
Science Education, University of Cape Coast Faculty of Social Sciences, Cape Coast, Ghana

PUBLICATIONS

Journal articles 21

1. **Godwin Kwame Aboagye (PhD)**, Isaiah Atewini Asaki, John Ametefe (2026). Predictive Power of Study Skills on Concentration among University Students: Evidence from a Ghanaian Context. *International Journal of Research and Innovation in Social Science*. https://doi.org/10.47772/ijriss.2026.100300564
2. B Anim-Eduful, **Godwin Kwame Aboagye** (2025). An Analysis of Preservice Elementary Teachers' Conceptual Difficulties in Learning Integrated Science Concepts. *Futurity Education*. https://futurity-education.com/index.php/fed/article/view/495
3. Eliot Kosi Kumassah, Kwaku Darko Amponsah, **Godwin Kwame Aboagye**, Nassam Inusah, Ebenezer Appah Bonney (2025). Gender Differences in Teachers' Improvisation Knowledge, Implementation Challenges, and Pedagogical Impact. *Journal of Education and Training Studies*. https://doi.org/10.11114/jets.v14i1.8124
4. **Godwin Kwame Aboagye**, Kwaku Darko Amponsah, Linda Gyawu (2025). Integrating Non-interactive Linear Videos into Didactic Teaching Approaches: Enhancing Understanding of Atomic Models and Structure. *African Journal of Research in Mathematics Science and Technology Education*. https://doi.org/10.1080/18117295.2025.2498178

5. Benjamin Anim-Eduful, **Godwin Kwame Aboagye**, Obed Baah-Yanney (2025). Investigation of Preservice Elementary Teachers' Conceptual Understanding of Integrated Science Concepts. *International Journal of Academic Studies in Science and Education*. https://doi.org/10.55549/ijasse.52
6. Kofi Owusu-Acheaw, **Godwin Kwame Aboagye**, Charles Deodat Otami (2024). Pre-Service Science Teachers' Awareness of their Critical Thinking Abilities. *Ghana Journal of Education Issues and Practice (GJE)*. https://doi.org/10.47963/gje101864
7. MA Morgan, **GK Aboagye** (2022). Students' interest in physics by gender, school type and programme of study. *International Journal of Research and Innovation in Social Science*. https://www.academia.edu/download/96206829/591-601.pdf
8. Kwaku Darko Amponsah, **Godwin Kwame Aboagye**, Millicent Narh-Kert, Priscilla Commey-Mintah, Fred Kofi Boateng (2022). The Impact of Internet Usage on Students' Success in Selected Senior High Schools in Cape Coast metropolis, Ghana. *European Journal of Educational Sciences*. https://doi.org/10.19044/ejes.v9no2a1
9. EK Kumassah, **Godwin Kwame Aboagye** (2022). The Performance of Teacher Trainees on Linear Momentum Concept. *International Journal of Pedagogy, Policy and ICT in Education*. https://www.ajol.info/index.php/ijp/article/view/241013
10. Kwaku Darko Amponsah, **Godwin Kwame Aboagye**, Eugene Adjei Johnson (2020). Analysis of study skills employed by Ghanaian high school science students. *Cypriot Journal of Educational Sciences*. https://doi.org/10.18844/cjes.v15i4.5047
11. **Godwin Kwame Aboagye** (2020). Cypriot Journal of Educational Sciences. *Sciences*. https://www.ceeol.com/search/article-detail?id=966863
12. Eric Magnus Wilmot, **GK Aboagye**, E Anane (2020). Relationship between senior high school teachers'-knowledge and practices of continuous assessment. *British Journal of Education*. https://www.academia.edu/download/93037283/Relationship_between_Senior_High_School_Teachers_Knowledge_and_Practices_of_Continuous_Assessment.pdf
13. **Godwin Kwame Aboagye** (2019). Contextual factors affecting professional development implementation: A study from college physics tutors in Ghana. *American Journal of Educational Research*. https://www.academia.edu/download/92090653/education-7-11-11.pdf
14. **Godwin Kwame Aboagye**, Kwaku Darko Amponsah, Emmanuel Osuae Graham (2019). Ghanaian senior high school science students' conceptions about change of state of matter. *AFRREV STECH An International Journal of Science and Technology*. https://doi.org/10.4314/stech.v8i2.4
15. Donusem Yao Asamoah, **Godwin Kwame Aboagye** (2019). Integration of Practical Work into Teaching and Learning of Physics at the Senior High School Level. *The Oguaa Educator*. https://doi.org/10.47963/toe.v13i.295
16. **GK Aboagye**, TA Ossei-Anto, Joseph Ghartey Ampiah (2018). Combining inquiry-based hands-on and simulation methods with cooperative learning on students' learning outcomes in electric circuits. *American Journal of Educational Research*. https://ir.ucc.edu.gh/server/api/core/bitstreams/b0f61ad0-0f6e-46a3-b997-127bfa32cbb6/content
17. Kwaku Darko Amponsah, **Godwin Kwame Aboagye**, Elliot Kossi Kumassah, Alfred Mensah (2018). Physical Science Students' Perceptions of Their Chemistry Classroom Environment and the Students' Resultant Attitudes towards Chemistry. *Journal of Studies in Education*. https://doi.org/10.5296/jse.v8i3.13289
18. **Godwin Kwame Aboagye**, Emmanuel Osuae Graham (2018). Procedural problem-solving approaches employed by students in learning extensive and intensive quantities of change of state. *Ghana Journal of Education Issues and Practice (GJE)*. https://doi.org/10.47963/gje.v4i.492
19. **Godwin Kwame Aboagye** (2013). Examining the use of Instructional Materials in the Teaching and Learning of Biology at the Senior High Schools in the Sekondi-Takoradi Metropolis. *Journal of Counselling, Education and Psychology*.
20. **Godwin Kwame Aboagye** (2011). Comparison of Learning Cycle and Traditional Teaching Approaches on Students' Understanding of Selected Concepts in Electricity. *International Journal of Educational Research*

and Administration. https://www.academia.edu/download/51578924/COMPARISON_OF_LEARNING_CYCLE_AND_TRADITIONAL_TEACHING_APPROACHES_ON_STUDENTS.pdf

21. **GK Aboagye**, Theophilus Aquinas Ossei-Anto (2011). Effectiveness of learning cycle in exploring students' preconceptions on selected concepts in direct current electricity. *Journal of Science and Mathematics Education*. https://www.academia.edu/download/61339127/EFFECTIVENESS_OF_LEARNING_CYCLE_IN_EXPLORING_STUDENTS_PRECONCEPTIONS_ON_SELECTED_CONCEPTS_IN_DIRECT_CURRENT_ELECTRICITY20191126-22839-dy.pdf

Theses 1

1. **Godwin Kwame Aboagye** (2016). Effects of Combining Inquiry-Based Real Hands-On and Computer Simulation Methods with Cooperative Learning on Students' Learning Outcomes in Electric Circuits. *University of Cape Coast*. https://ir.ucc.edu.gh/items/edb45de8-8332-4937-affb-c887d3ba9fd2