

JOHN MUSILI KILONZO

EDUCATOR | PHYSICS · GEOGRAPHY · MATHEMATICS · INTEGRATED SCIENCE · SOCIAL STUDIES

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PROFESSIONAL PROFILE

Educator with experience preparing and delivering Mathematics, Integrated Science, Social Studies, Physics and Geography lessons across primary, junior school and secondary settings. Develops schemes of work, assessments and marking guides, and uses spreadsheet analysis to review learner performance. Completed Bachelor of Education (Science) studies at Pwani University in May 2026; graduation pending. Also developing ElimuFlow, a school management software project informed by classroom and administrative needs.

TEACHING EXPERIENCE

Imam Shafi Muslim School | Teaching Mathematics and Integrated Science | Mtwapa

- Teach Mathematics and Integrated Science across primary and junior school classes, adapting explanations and exercises to each grade.
- Develop schemes of work, lesson plans, revision papers, assessments and marking schemes for classroom use.
- Maintain learner records and analyse assessment results in spreadsheets to identify gaps and plan follow-up teaching.
- Prepare curriculum content on geometry, data handling, equations, matter, waste management and human body systems.

Kakuyuni Boys Secondary School | Teaching practice | Malindi

- Planned and delivered Physics and Geography lessons and assessed learner work during university teaching practice.
- Designed and built an electric bell learning resource to demonstrate an applied Physics concept.
- Repaired the school main bell and supported handball as a games patron and coach.

Additional school experience

- Kathonzwi HGM Junior School: Integrated Science and Mathematics teaching, observation and learner support.
- Kathonzwi Boys High School: Physics and Computer teaching experience.
- Additional teaching experience at Kwa Kalelo Primary School, Vitale HGM and Hudaa Academy Kilifi.

EDUCATION

Pwani University | Bachelor of Education (Science), Physics and Geography

Studies completed May 2026; graduation pending.

Ngoto Boys High School | Kenya Certificate of Secondary Education, B minus (2021)

EDUCATION TECHNOLOGY

ElimuFlow | School management software project under development

- Defining a multi-school workflow for student records, assessments, report cards, timetables and parent access, informed by school administrative work.
- Completed an initial monorepo scaffold and development setup with a Next.js frontend, NestJS backend and Supabase PostgreSQL design.
- School onboarding, role management and analytics remain planned parts of the project.

PROFESSIONAL DEVELOPMENT

- Pedagogical Approaches to CBC — Pwani University partnership course.
- Technology Enhanced Learning and Teaching aligned with CBC — Pwani University partnership course.

SKILLS

Lesson planning and schemes of work · Assessment and marking guides · Learner records · Spreadsheet performance analysis · Classroom management · CBC aligned teaching · Practical science demonstrations · Educational technology

LEADERSHIP AND SPORT

- Represented Pwani University in netball at national university competitions on three occasions.
- Coached girls netball at Kathonzweni HGM to regional level and supported handball at Kakuyuni Boys.
- Served as Geography and Physics class representative at Pwani University and supported school co-curricular activities.