

Coding For Kids

An Initiative By
AmaliTech



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Coding for Kids

In the spirit of promoting digital literacy, AmaliTech is steadfast in its belief that early immersion in digital skills and steering children towards technology exploration is crucial for their future career paths.

This belief led to the Coding for Kids initiative, or C4K, which AmaliTech launched in 2021 in partnership with SOS Children's Villages, Ghana. This programme aims to offer coding education, stimulate creativity, and carve out a career trajectory for kids aged between 9 and 14 years, with a particular focus on underprivileged communities.



CODING FOR KIDS

Over the past two years, we've conducted programming classes in primary and junior high schools within the SOS Children's Villages Ghana and, with proven success over time, we broadened our target audience by introducing our C4K programme to selected public and private schools in Ghana as well as local community ICT centres. We have reached over 1600 children, and we anticipate hundreds more joining our C4K programme in 2024, expanding our reach to Rwandan schools as well.



Learning Outcomes

- Fundamental Coding Knowledge
- Digital Literacy and Responsible Technology Use
- Confidence and Growth Mindset
- Collaboration and Teamwork
- Creativity and Innovation
- Computational Thinking
- Practical Coding Skills

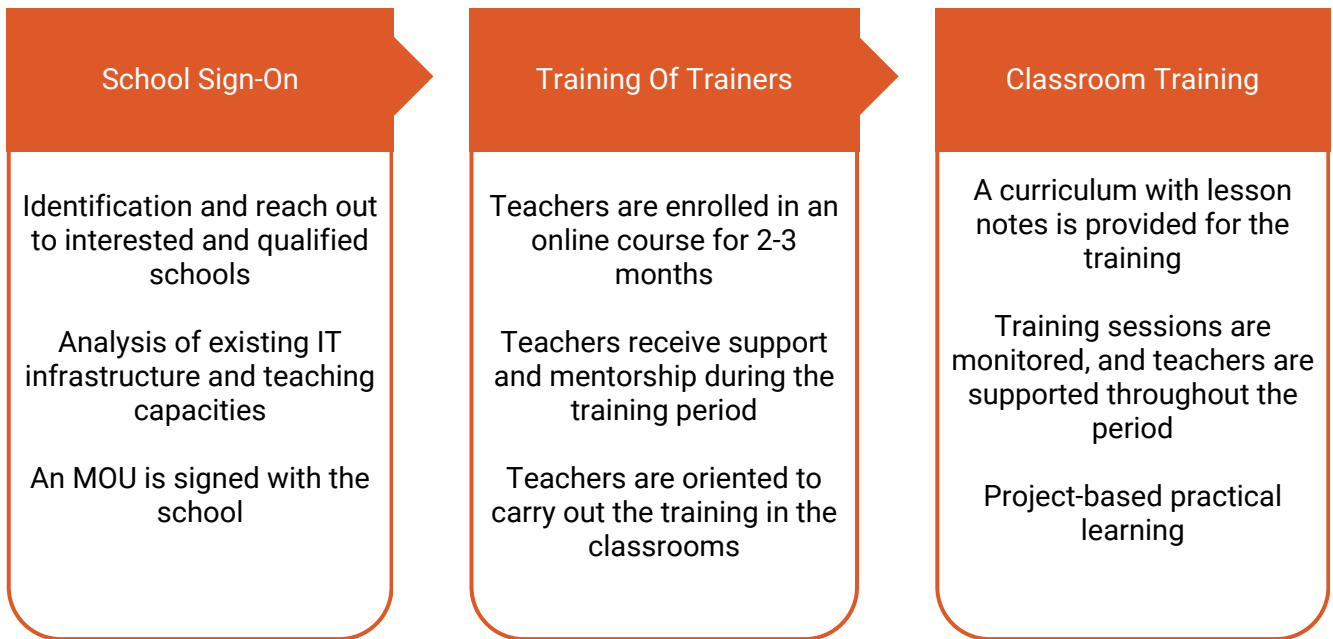
“Programming involves critical thinking and creativity that help solve real problems. Hermann Gmeiner School Asiakwa, is privileged to be on board the Coding For Kids (C4K) programme rolled out in our schools in partnership with AmaliTech. Through this programme, students enthusiastically explore the field of programming as they build simple game applications.”

*Francis Senyo Addey, SOS ICT Teacher,
Eastern Region*



C4K@School

AmaliTech empowers local ICT educators to deliver the C4K@School programme effectively, providing students with essential coding skills in Scratch, HTML/CSS, and Python through a comprehensive train-the-trainer initiative. This onboarding process involves an intensive 2-3 month virtual training period, fully supported by continuous guidance and mentorship from AmaliTech's expert trainers. As a testament to our commitment and success, we currently have 80 teachers actively participating in our C4K programme. We believe in the power of education to transform lives and communities, and are dedicated to providing the tools necessary for this transformation.



C4K@school can be run as an extracurricular Coding Club or, when incorporated into a school's curriculum, as a regular class subject.

AmaliTech evaluates the impact of its coding for kids' training and mentorship on digital skills by means of regular monitoring of the ICT teachers involved (monitoring forms), monthly stakeholder meetings, and qualitative assessment of the student's progress by means of termly exams, periodic classroom assignments and coding competitions.

AmaliTech provides the blueprint for coding competitions, which can be held annually or termly within or across various schools. These competitions aim to assess the children's critical thinking, problem-solving skills, and capacity to apply coding to solve business needs.



C4K@Communities

Our C4K@Communities initiative includes Coding Clubs open to community kids from various schools, operating at local ICT centres, free of charge. In addition, AmaliTech organises regular coding boot camps designed for teenagers eager to learn the basics of programming (focus on Python and HTML/CSS).

As AmaliTech is committed to bridging the gender divide in IT, C4KforGirls Coding Clubs, career workshops and boot camps are run for girls to pique their interest in the tech space. Topics addressed during these events are the importance of digital literacy, no matter the chosen career path, and the presentation of the various career opportunities in the tech field.



Partnerships For Digital Empowerment Of Children

AmaliTech is collaborating with local partners from governmental, not-for-profit, and private sectors in Ghana and Rwanda who share our mission of advancing digital empowerment at young ages to prepare the next generations for the future of work.

With a vision that continues to gain momentum, AmaliTech aspires to extend its complimentary digital skills training to more schools and communities in Ghana and Rwanda, reaching up to 5000 kids by the end of 2025. We are thus looking for implementing and funding partners to support us in our mission.

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