

# Climate Change Education Outreach (Chikankata District, 2024)




Part of the *Empowering Young Minds* program

## BACKGROUND

Nanduba Secondary School in Chikankata District, Southern Province, had few opportunities for students to explore climate science, sustainability, and practical engineering solutions. While the curriculum included basic science, there were few hands-on learning and discussions about local environmental challenges. As a result, students had little to no awareness of how engineering could combat climate change and improve their community. These gaps highlighted the need for a program to inspire students, strengthen STEM education, and encourage youth-led environmental action.

**4** QUALITY EDUCATION



**1** Climate Change Club formed to foster student-led environmental action

**+100** students educated on climate science and sustainability

**ZMW 20,000** invested (approx. \$1,000 USD)



## PROJECT DESCRIPTION

In 2024, EWB-Zambia volunteers launched *Empowering Young Minds* at Nanduba Secondary School. In collaboration with Forestry Department Technician Henry Zulu and educator Pamela Matteo, the project aimed to engage students on climate change, sustainability, and the role of engineering in community development. A May 2024 session included interactive talks, multimedia presentations, and hands-on activities. The Forestry Department provided seedlings worth ZMW 20,000, enabling students to apply their learning through tree planting. This low-cost, volunteer-driven initiative demonstrated the value of educational outreach and contributes directly to SDG 4: Quality Education, by equipping students with skills and inspiration for future STEM opportunities.

## FOSTERING STUDENT LEADERSHIP

Through this initiative, over 100 students gained practical knowledge about climate change and sustainability. Teachers reported greater enthusiasm in science classes and community projects. Motivated by the program, students formed a Climate Change Club that now leads tree planting, waste recycling, energy-saving projects, and environmental monitoring on campus. Endorsed by local education officials and recognized by the Ministry of Education, the Climate Change Club served as a model for student-led environmental action in the district. The program demonstrated how engineers can support educational goals and environmental awareness among youth. By engaging students directly, *Empowering Young Minds* nurtures students' STEM skills and environmental leadership, creating lasting benefits for Nanduba Secondary School and the wider community. The program plans to expand to more schools in the future.

**Help us empower young minds for a sustainable future.**

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