



Siyakhana Growth & Development NPO Eastern Cape Schools Project

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Project Leader Prof M Rudolph

Background

- ▶ Eastern Cape school project was initiated in 2019. and the scope of the project was food and nutrition security, water, sanitation, ICT, energy and entrepreneurship





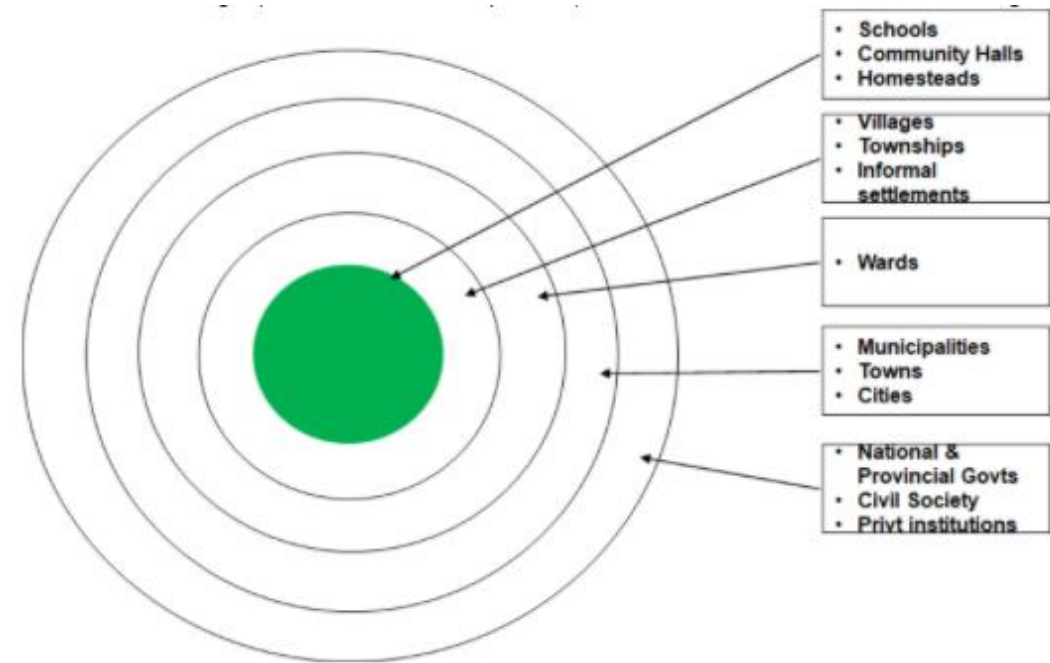
The project is in 3 different villages in Mqanduli. A village town in OR Tambo district municipality. The schools are Gwebinkundla JSS, Mqanduli Primary and Bijolo JSS



Stakeholder Engagement

This has been the key aspect of the project and how we were able to get full community buy in and support

► The impact of the project will increase from the schools, which will be used as the main hubs for activities such as training, distribution of resources and meeting centres.



Partnerships

- ▶ Eastern Cape department of education
- ▶ Nelson Mandela Museum
- ▶ Walter Sisulu University
- ▶ Department of Rural development and agrarian reform (DRDAR)
- ▶ Nelson Mandela school of science and technology (Agricultural school)





Water

Repairs of rainwater harvesting systems at all schools and 10 000l capacity water tanks installed. Additional 20 000l was donated by ECDOE



Sanitation

Toilet Renovation at Gwebinkundla

- Gwebinkundla toilets were demolished, built and repainted.
- To reduce bacteria and odour culture treatments were done
- Facilitated new toilet installation by the DOE





After the renovations were completed with the help of volunteers from the community





Infrastructure of the Food Garden Tunnels

Setting up of a wooden beam tunnel garden

Infrastructure





The gardens continue to thrive under maintenance from the school as well as monitoring from Siyakhana



Fresh vegetables harvested daily in the gardens to produce nutritious meals for the learners. Schools have been able to reallocate some of their budget as they do not buy vegetables

Worm farms at all the schools
recycle food waste from the
kitchen and produce worm
tea which is used to fertilize
the plants and increase soil
fauna





Agriseta Training



Informal Training & Practical's

Soil preparation, planting and worm farm

ICT - learners from grade R have received ICT lessons. This has been incorporated with the lessons which they receive. The foundation phase enjoys programs such as Jolly phonics which have sing-a-long songs and the intermediate phase is constructing word documents and excel spreadsheets



Eco-tourism potential

The Gardens in various schools demonstrate social, environmental and economic developments in the communities in Mqanduli district. The villages close to the schools offer a wide range of activities which tourist can enjoy, participate in and explore local Xhosa /Eastern Cape culture.

These activities include:

- Traditional food, traditional food preparation and processing
- Maintaining a rondavel in the village
- Storytelling- local folklore
- Exhibition of traditional items and clothing made by locals
- Local organic farming practices

Domestic sciences

- ▶ Providing learners with skills that can support an entrepreneurial venture
 - ▶ Sewing
 - ▶ Knitting
 - ▶ Cooking & Baking
 - ▶ ICT
 - ▶ Agriculture



Human rights gardens

These are being established in partnership with the Nelson Mandela Museum to restore human dignity which is lost when one is living in poverty and hunger on sites along the footprints of Mandela trail. We also aim to promote sustainable tourism on these sites as well as in Mqanduli

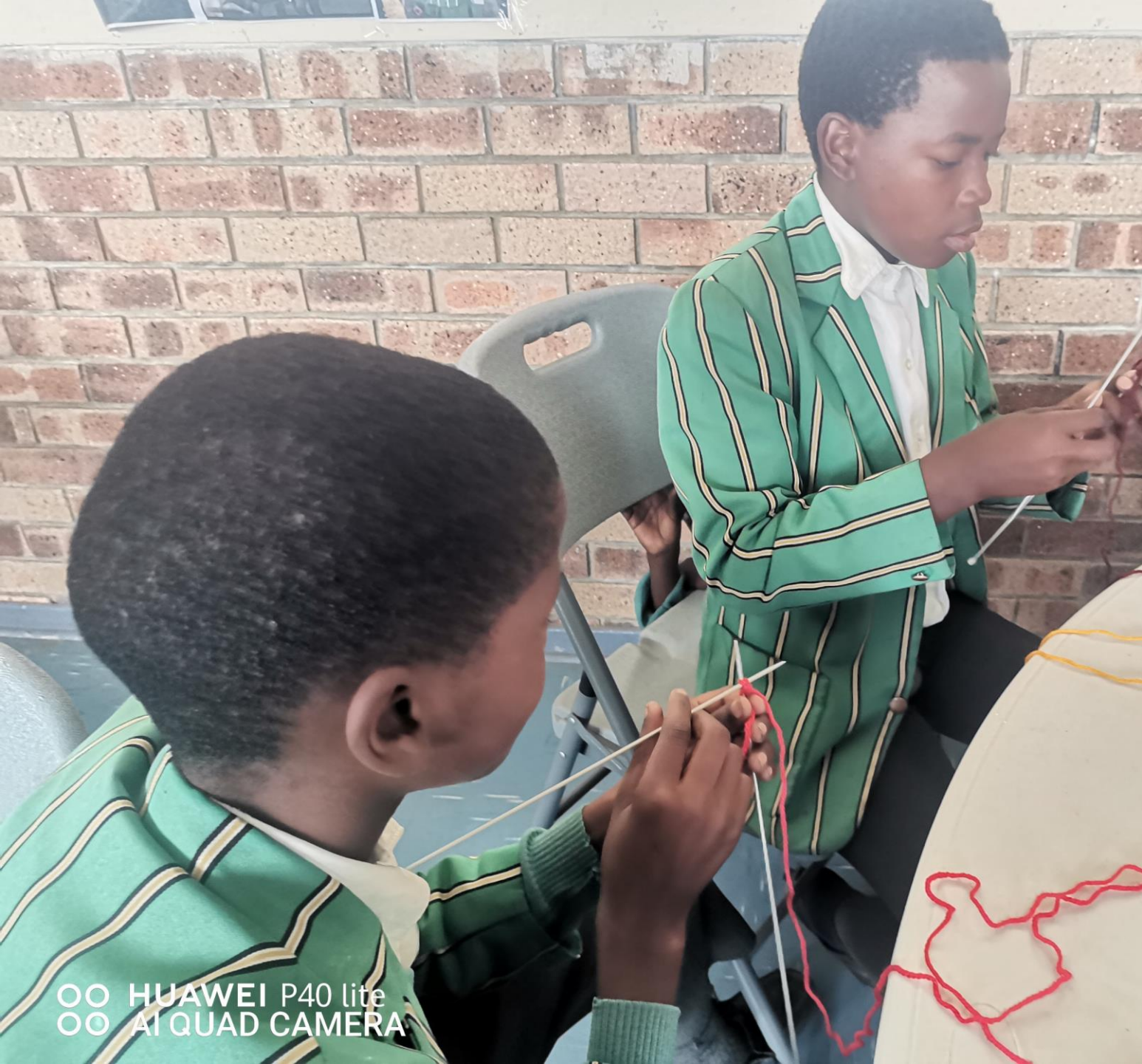
Further interventions

- ▶ Using the schools as an entry point to the communities
- ▶ Expand gardens to generate income
- ▶ Provide formal training for the community and establishing homestead and community food gardens as well as other agribusinesses
- ▶ Install biogas digesters
- ▶ Water purification system

Impact on School environment

- ▶ The community is now more involved with the school as the benefit is more than just learning for enrolled learners
- ▶ Learner drop out has decreased
- ▶ The schools are making more of an effort to develop their schools
- ▶ Maintenance has improved





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