



AYA TANZANIA PRESENTS:

PLANTS COUNT!

THE MATHEMATICS AND SCIENCE OF SELF RELIANCE

A COLLABORATION BETWEEN AYA AND KIBOLEBOLE EDUCATIONAL INSTITUTES



Kujenga Nguvu

Building our power is critical to our survival and advancement as a people. The power to feed, clothe, shelter, and heal ourselves -- the power to defend our land, our people, and our cultural creations -- the power to educate our children about the strategies we use to service our people, and the science and mathematics that undergird those strategies. This is Kujenga Nguvu.





Meet Our Team

Whether in their capacities as Co-Directors of Kibolebole Educational Institute, or Instructors at AYA Educational Institute, Evelyn and Baoku Duduyemi have been a formidable team in service of the education of Afrikan people for more than a decade.

Lothy Mollel grew up on the Maasai Boma, and graduated first in his class as a safari guide. His knowledge of Arusha, it's infrastructure and local flora and fauna as well as his love for the children of Tanzania are evident in his daily work. His attention to detail is unmistakable.



Evelyn Duduyemi
Physics & Math Instructor
WHB Facilitator
★ ★ ★ ★ ★



Baoku Duduyemi
TLW Urban Grower
WHB Facilitator
★ ★ ★ ★ ★



Lothy Mollel
Flora & Fauna Guide
Logistics Manager
★ ★ ★ ★ ★



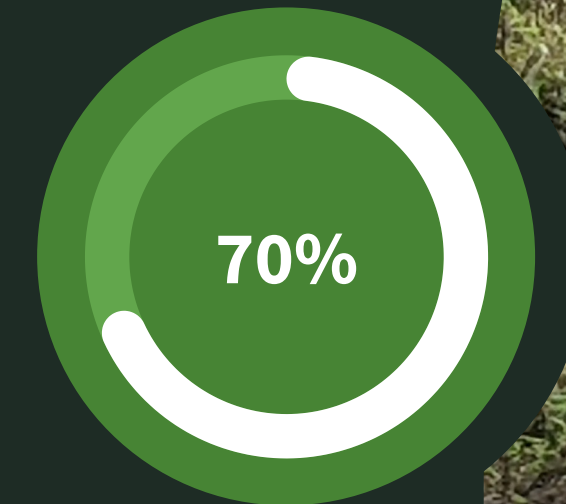


Agriculture

Urban Gardening Has Deep Roots

Africans created the first civilization, and with it, the first methods of sustaining a people. Tribes famous in Tanzania for farming in the ujamaa style include the Nyaturu, Nyeramba, and Nyisanzu, Warangi, and Wairaq. There is no one famous farmer--there are Afrikan men and women, working to sustain their families and their people. There are only three western style grocery stores in Northern Tanzania. There are hundreds of open air markets. These are filled with produce that is grown in every yard, every back road and every main road throughout the region. Seventy percent of the Tanzanian population grows food.

What is being remembered in the US has not been forgotten in Tanzania...yet.





Invasive Species

Pulling Us Away From Growing While
Pushing Us Off The Land

- **500 Chinese companies in Tanzania and 800+ Chinese firms poised to enter the market**
- **Single Saudi energy firm slated to "invest" \$9B in infrastructure, real estate and health**





A South Afrikan Story

80%

Afrikans

20%

Europeans

10%

Arable land

"You are 95% of the population. Why haven't you run the Boers off of the land?"
---Baoku

"The people must relearn how to sustain themselves in order to sustain a fight."
---South Afrikan Grower



Feeding the Soil

Educational Innovation to Counter the Threat

01. Teacher Training

A recent graduate will be selected from Arusha's premier teacher's college and awarded a competitive salary to learn to teach "The AYA Way".

02. Student Driven

Students will meet after school and on Saturdays to take classes and conduct research.

03. Elder Expertise

Local community elders will share their wisdom and experiences related to agriculture in Tanzania.

04. US Cohorts

Students in the US will have the opportunity to study in parallel to their Tanzanian counterparts. The Afrikan and Diasporan cohorts will meet regularly to exchange information and ideas.





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Feeding the Soil

Educational Innovation to Counter the Threat

- **Protect Tanzanian agricultural heritage**
- **Improve math and science proficiency in Tanzania through the study of agricultural science**





Sowing Seeds for Afrikan Sovereignty

- **The Sacred Life of Plants**

There is a profound biochemistry within the traditional healing that has provided a self-reliance for our people. Chyote, aloe vera, and a variety of plants have been used to stitch wounds, knock out malaria, and even cure cancer.

- **Plants Can Count!**

An exploration of plant architecture and growth patterns reveals beautiful and advanced mathematical truths.

- **Growth Mathematics**

Find out how many leeks you can plant next to your carrots in your front yard, how many families you can feed, and how much soap you can make from goat milk.

- **Binary Bao**


Could the mathematics that runs laptops, satellites and cell phones be hidden in this ancient East Afrikan board game?

- **The Medicine Garden**

Time to get our hands dirty and grow plants that heal. Time to safari through the open field and learn about all of the food that grows wild in Mt Meru's shadow.

- **Countdown to Carver**

Get to know Nana George Washington Carver as we study his life in service of Afrikan people, and use his work to prepare young Tanzanians to follow his example.





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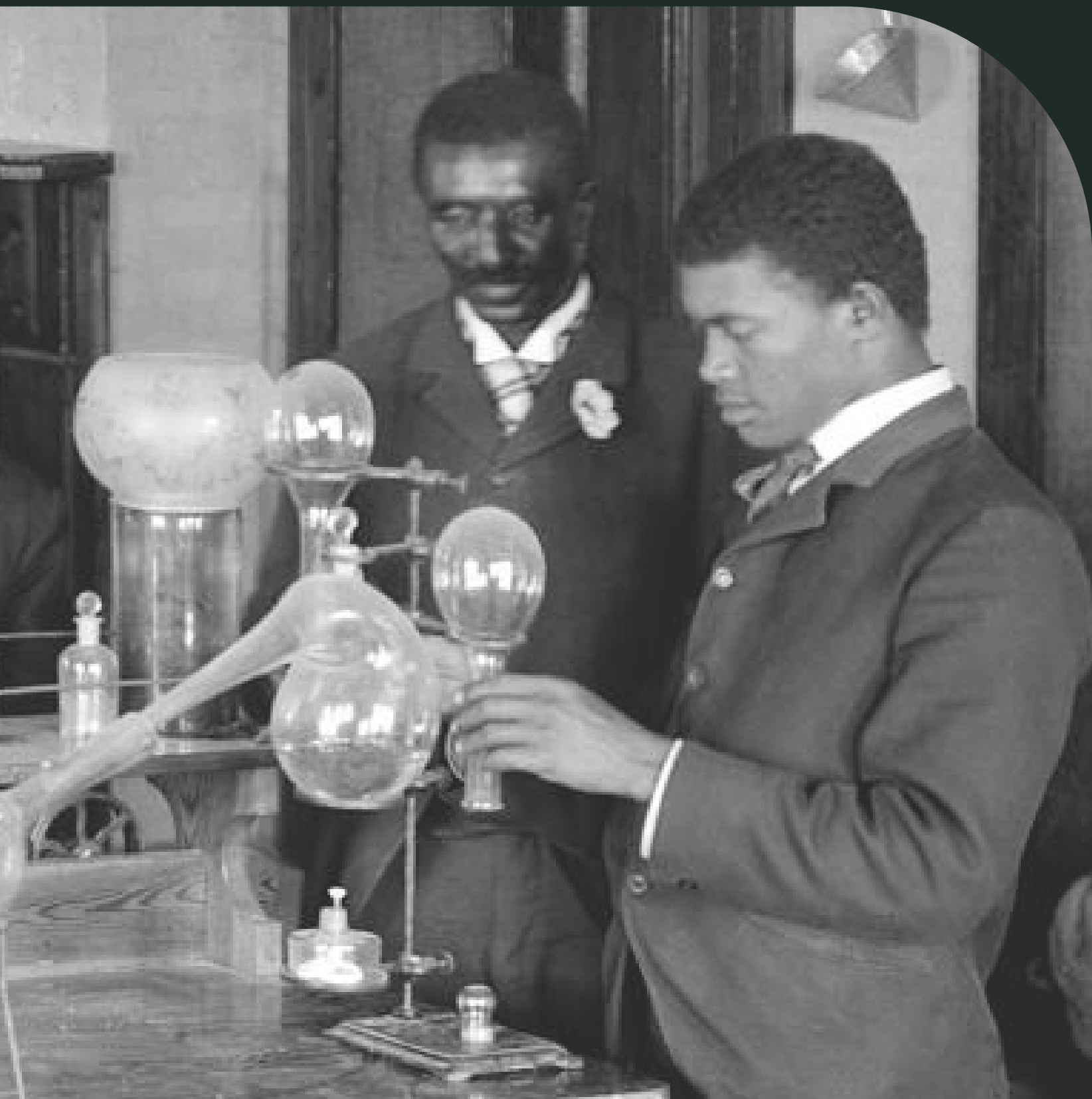


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Countdown to Carver

Sowing Seeds for Afrikan Sovereignty

Nana George Washington Carver's science teacher told to him, "Learn all you can George and bring it back to our people." In this project we combine the vision of both Carver and Nyerere to guide our using math and science to place agriculture at the center of our service.





A Harvest from Home

Tanzania's culture and self-reliance is under attack. Your support of AYA Tanzania will help protect a stronghold of Afrikan agricultural self-sufficiency and familyhood for generations to come.





"We must now give it [agriculture] the central place in all our development planning. For agriculture is indeed the foundation of all our progress."

Julius Kambarage Nyerere

Lead Tanganyika/Tanzania from 1962-1985





JUNE/JULY
\$10,000



APRIL/MAY
\$10,000

MAY/JUNE
\$10,000



\$30,000
in 3 months!

It's a substantial goal. It's a substantial project. The impact of this work will be felt for years to come. Your Tanzanian children and grandchildren, who retain the ability to grow their own food, will be able to fight, heal and build for our people in ways that those who have lost the ability to feed themselves will not.

Please give what you can. Please spread the word. Please join the US Cohort. Please volunteer on either side of the ocean.





Contact Us

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A photograph of a rural landscape is framed by a dark green circular border. The scene shows a lush green field in the background, with a dirt path leading through a line of trees and bushes in the foreground. Mountains are visible in the distance under a clear sky.

PLANTS COUNT!

A S A N T E S A N A !