



AUGUST 2022

EDUCATION CENTER AND  
TREE NURSERY

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# Overview



Seed Bombs Tanzania mitigates climate change through reforestation. We are establishing an educational center and tree nursery project in Hanang' district. The center plants trees and promotes healthy ecosystem management and permaculture principles across East Africa.

The Seed Bombs will be created by students in existing environmental clubs who will roll indigenous tree seeds into small balls of clay, soil, and organic fertilizer. Planting will be done by community members in strategic locations to maximize viability and ecological impact. This simple reforestation technology originated in Japan and can now be utilized in Tanzania and East Africa at large.

**Our annual goals are to plant one million trees and train 600 educators who will then have the capacity to teach 20,000 students.**

# Mission and Vision

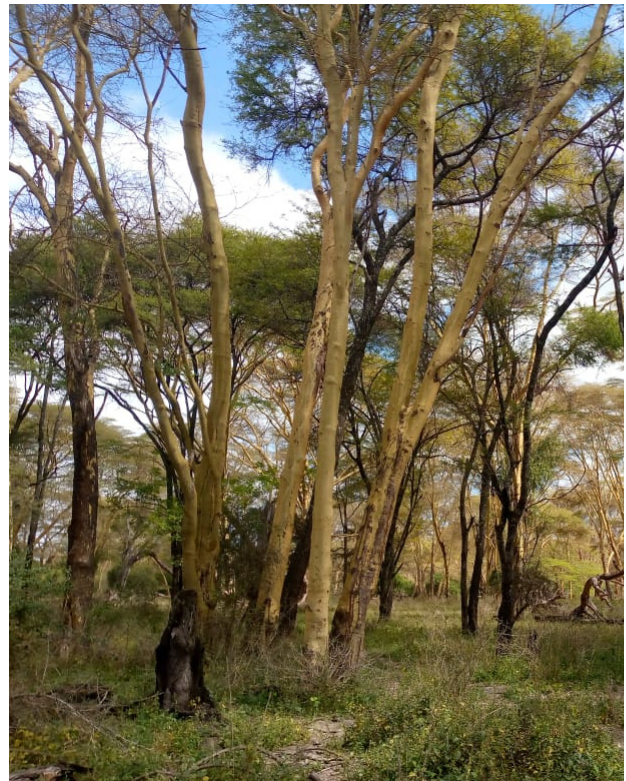


## Mission

Establishing an education center and tree nursery to collaborate with and train ecology educators and their students from around East Africa on the Seed Bomb methodology which is designed to maximize the efficiency and scalability of reforestation projects.

## Vision

Supporting resilient communities to revitalize natural environments and continue sustainable development practices for generations to come.



# Challenges and Solutions



## Challenges

- According to Global Forest Watch, from 2001 to 2021 Hanang' District lost 9.3% of its total tree coverage.
- Deforestation continues to be driven by clearing of forests for agriculture, household usage of charcoal/firewood, and timber export.

## Solutions

- **Educate** teachers and students from around East Africa about essential ecological principles.
- **Create** Seed Bombs. Millions of them!
- **Distribute** Seed Bombs throughout the Manyara Region using the people centric approach of hand planting in groups.
- **Monitor** the growth of newly planted trees and take necessary measures to protect saplings from destruction by livestock, wildlife, and the elements.



# What are Seed Bombs?



Seed bombs are made by rolling seeds into small balls of soil, clay, and organic fertilizer. Balls are then distributed by local community members in strategic areas and left to sprout and take root at their own pace.

- Seed Bombs were popularized permaculture master Masanobu Fukuoka, who implemented several successful reverse desertification campaigns in Japan.
- Community based seed bomb reforestation campaigns conducted by Nobel prize winner Wangari Maathai through her NGO, the Green Belt Movement, transformed the natural environment of Kenya.
- Our specific formula for creating seed bombs has been thoroughly tested for viability in Zambia and our distribution model has been workshopped and approved by local government in Hanang' District.

# Education Center and Tree Nursery



- Equipped with classrooms and workshop areas to host training sessions with educators and their students from around East Africa.
- Employs the help of local community members and student groups to plant and nurture our own mini forest of indigenous tree species.
- Traditionally inspired modern housing will be available for our local and foreign volunteers as well as visitors to the beautiful forest reserve.

# Economic and Environmental Impact Goals



## Two Year Targets

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### Planting

Two Million Trees

### Sequestering

40 Thousand Tonnes of Carbon Dioxide

### Educating

1,200 Teachers and 20,000 Students

### Creating

13 High Paying Permanent Jobs



# Timeline

## PHASE 1

Secure a suitable six acre plot of land near the gate of Mt. Hanang' Forest Reserve.

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## PHASE 2

Hire a country manager responsible for community outreach and fundraising.

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## PHASE 3

Begin construction of an education center that will accommodate teachers, students, and volunteers.

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## PHASE 4

Launch a tree nursery to propagate indigenous species, especially Acacia and fruit bearing trees.

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# The Ask and Budget

## \$180,800

Type of Infrastructure	Value	Percentage
Classrooms	\$19,000	10.5%
10 Houses	\$68,000	37.6%
Greenhouses	\$20,000	11.06%
Land and Dirt Haulers	\$25,000	13.8%
Office Equipment	\$9,500	5.3%
Staff	\$14,000	7.7%
Seed Supplies	\$5,700	3.15%
3 Motorcycles	\$4,700	2.6%
Petrol	\$2,900	1.6%
Staff Salaries	\$12,000	6.64%
<b>TOTAL</b>	<b>\$180,800</b>	<b>100%</b>

# Donor Benefits



- **Quarterly environmental and economic impact report including tree growth updates.**
- **Recognition in all digital and print marketing material.**
- **50% discounted access to accommodation near the education center outside Mt. Hanang' Forest Reserve.**

# Team Members



**Christopher Lee  
Plummer**

*Founder*

Architect, Furniture  
Designer and  
Conservationist



**Hon. Asia Halamga**

*Executive Youth and  
Women's Coordinator*

Member of Parliament  
Representing Youth in  
the United Republic of  
Tanzania



**Jessica Mshama**

*International Outreach  
Coordinator*

East African Community  
Youth Ambassador



## CONTACT US

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