



Share Tanzania

PERMACULTURE FOOD FARM PROPOSAL

Spring 2020



Our path to a sustainable future for children in need |
Share Tanzania 1140669



SHARE TANZANIA



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Problems about farming in Tanzania



Not only in Tanzania, but globally, people do not realize how damaging the conventional farming is to our lands and ecosystems. Especially in third world countries many problems occur due to the promise of modernism and development. This leaves behind a great need for diversity of food production of an eco systemic style, a sustainable waste system, garbage disposal methods, good drinking water systems, sustainable fuel systems, reforestation and of course a new understanding and awareness of eco-friendly sustainable living.

We find it very interesting to acknowledge that when these quite simple things are realized and understood and the basic of healthy living systems are created, the population naturally raises and realizes their wealth in total different terms away from ideas which to chase was put upon third world countries during colonialism.

Permaculture farming as a solution

With the increasing need for sustainability in the charity sector, Share Tanzania must align with the consensus of sustainability, for the security of our residents, operations and the surrounding environment with it. Moving forwards there should be an exit strategy for the communities we support, to stop their reliance on charity, and replace it with self reliance, using mother nature as the industry to support the household involved.

Our goals must be dramatic changes from our current position, they are as follow:

1. Ensure food security and sustainability for over 68% of produce consumed at all children's homes under Share Tanzania.
2. A ten year goal of 100% sustainability, with excess produce being sold to supplement income for the medical treatments, and other essentials the community cannot grow.
3. Water security, requiring a bore hole and pump to be located on the land acquired.
4. Ensure as we do this, we set an example to the local community of placing as much concern on yield, education as we do environmental protection and reforestation.

70% OF TANZANIANS
ARE LIVING BELOW
THE POVERTY LINE
AND ARE INVOLVED IN
FARMING TO SURVIVE.

Permaculture Food Farm Proposal



In our area of Tanzania (Kilimanjaro) the predominant crops are Maize, Beans, Rice, Tomato and Onions. However in areas of elevation with more humidity, Bananas and Avocado is often a crop of choice. This type of farming is tried and tested in Tanzania, but creates drier issues for the environment, and the soils being used. Our project must break this mold, and be used as a demonstration to the local community of how a better farming method can be implemented and bring greater yields once it is in place. At the same time we aim to restore the land and eco system as both are close to a point of failure in many areas.

To do so no monoculture practices will be adopted long term, instead we will use essential Permaculture concepts such as;

- Swales to catch water for the crops
- Enriching the soil with nitrogen plants
- Harvesting water
- Compost tea and pile
- Banana/ Papaya Circles
- Green Bag Gardens
- Shaded Nursery
- Bank saving seeds
- Green House

Land: Location and Costs

Miwaleni Kati Chini is an area with a distance of approx. 10 minutes to Featherstale.

The feedback from the surveyor is as follows:

- This area is a highly fertilized area; the nature of the land is very smooth compared to the land surrounding Featherstale directly, as that area is filled with big rocks and hard ground.
- The available area is easy to supervise, as it is close to the main road
- The land has no effect through salinities.
- The water table is close, there is only a need to dig 10 to 15 meters to catch water
- The area allows planned crop rotation
- The ground is even, no rocks will hinder the development of a food forest

Costs

1 acre costs 9mio TZS. This equals approx. £3,000 or \$3,900.

The available area is 23 acres big (see graphics).



Irrigation system: Methods and Costs

There are 2 ways to create an irrigation system for the fields.

- 1.) The local method involves digging 10-15 meters by hand to catch water during the rainy season. This method is comparable cheap with the costs of 7,000 TZS for 1 meter. The consequence is that there will be no water during the dry season to keep the land moisture and enable us to grow food all year around.
- 2.) The modern method would be to create a dwell to catch water from the ground. The volume of water will be higher with this method and we will have water access all year around, which counts in food production too.

The costs to create a bore hole would be 150,000 TZS for 1 meter. At this area we would need to dig 10 meters down, which equals 1,500,000 TZS in total.

Furthermore we would have to dig at least 2 dams through different areas of the farm. This will cost approx. 2,000,000 TZS in total.

The total amount needed for bore hole and irrigation dam will be 3.5 mio TZS, which equals 1,520\$.

Different ways of farming

With a farm of 22 acres, we can make the food supply of every child in our care 68% self-sustainable after 1 year only!

Permaculture and Traditional Farming

With 16.5 acres we will create a food farm that will supply the children living under the care of Share Tanzania with enough Maize, Rice, Beans, Wheat, Bananas, Onions, Tomatoes, Carrots, Green Pepper, Leafy Greens and Sweet Potatoes every year.

Life Stock

With 2 acres we plan on keeping life stock, such as cows for milk and chicken for eggs. We follow an ethical way of treating animals, and as such want to give the animals a farm to live free on. With the eggs from the chicken we will be able to keep the protein level of the children with special needs steady. And with occasional meals of meat the children will get the nutrition and vitamins easier, as more than half of the children in our care have special needs and are not able to eat big portions of food, some even have to be fed through a feeding tube.

Volunteer Farm

1 acre will be set up with tents and compost toilets for the volunteers who come to work on our farm. The profit of the volunteers will be able to support the annual running costs of the food farm and thus make it an independent project and far more secure!

Children inclusive Farming

Whilst our main goal is the food self-sustainability for the children living under Share Tanzania's care, we will also put a main focus on including the children directly in the Food Farm. We intend to make the farm as accessible to the children as possible, as we want to give the children as much independence as possible. We are aware that not all children are able to do a lot of physical labour on the farm, but some of them are and already enjoy the gardening around the children's homes a lot! Thus we intend to start with 1 acre. This acre will be fully wheelchair accessible, it will be designed in a way that it is not only a farm that can supply the





children with food but also be a special place for them where they really enjoy spending time and that invites them to get creative too. The raised gardens are already a full success in Featherstale, we know that having a full acre with different raised gardens will give the children a real independence and a chance to be part of their own culture and community. Green living walls are very useful for leafy greens and herbs and easily accessed with a wheelchair too.

By creating sensory zones throughout the farm we want to make the farm enjoyable for all the special needs children in our care, also for those who might not be able to physically help with the farming. These sensory zones can be created by the more able children, as well as the Angels Gate boys and include different sensory walls with seeds and natural materials to feel, a shaded relaxing area, colored glasses that can reflect the light, a herb and flower garden that stimulates the senses etc. A tree nursery will also be easily created at a height that is accessible for the special needs children to take care of.

We imagine that the farm can become an important part of the children's weekly routine. Already now we have 2 special needs teacher and 3 physiotherapists/ occupational

therapists on staff and they would love to implement the farming and gardening in the children's daily routine. We imagine that every day a group of children will be taken to the farm to spend time in nature, to help water and plant, to enjoy the scenery and to learn about the different plants and their harvest times.

Farming is the most common way of survival in Tanzania and a huge part of the society and communities. We want to give the children a chance to be part of this, and not excluded due to their condition or history. With open visitor days the children can show the community, special needs families, schools and even the government the positive impact as well as their success and their ability. Furthermore, we will include the teaching of making jams and chutneys and even things such as Sauerkraut in their classes at the homes to give them knowledge on something unique that could even provide them with employment as they could start selling them if they'd wish, and of course to enrich their diet.



Super Foods + Future Cash Crops

Ideally we would love to also plant Super Foods such as Chia Seeds, Moringa and Blueberries.

For this purpose we would keep the extra 2.5 acres. This will start as an experiment and its purpose is to enrich the diet of the children. After seeing the success of the growth of the crops, we would consider creating a Cash Crop Farm. This farm would produce Super foods that are impossible to purchase in the north of Tanzania and thus open up a new market that will be able to support the medical bills of the children with special needs.

Food Consumption: Facts and Costs

Our current annual food costs for the 112 children living under the care of Share Tanzania comes to 39,040\$ annually. This does not include children and families supported in the community, school meals or daily staff meals. Most of the foods used can be planted on our permaculture farm and we would even have a chance to enrich the diet of the children too, as the techniques of permaculture will allow the growth of many different nutritious foods at the same time (including fruit trees that we cannot afford in our current financial situation).



In the chart below you can view our annual expenditure only on food for the children living in our care;

Food	Kg/ Liter annually	Costs annually in \$
Maize	7,840 kg	7,348\$
Rice	3,168 kg	4,036\$
Beans	960 kg	1,544\$
Wheat	960 kg	1,036\$
Bananas	96 big bunches	720\$
Onion	768 kg	352\$
Tomatoes	1,536 kg	420\$
Carrots	1,296 kg	400\$
Bell Pepper	384 kg	100\$
Sweet Potatoes	720 kg	1,544\$
Mangoes	5,376 pieces	2,688\$
Papaya	500 pieces	500\$
Oranges	11,200 pieces	2,800\$
Fresh Milk	2,352 liter	1,740\$
Eggs	2,304 pieces	504\$
Sugar	916 kg	1088\$
Cooking Oil	720 liter	1,272\$
Fish	680 kg	1,964\$
Spaghetti	532 kg	588\$
Bread	720 kg	620\$
Coconuts	1060 kg	520\$
Sardines	868 kg	756\$
Lentils	768 kg	336\$
Meat	480 kg	1,772\$
Sour Milk	4,320 liter	1,268\$
Leafy Greens	For everyday use	840\$
Ginger	48 bunches	84\$
Gas for cooking	48 bottles	1500\$
Charcoal	288 bags	2500\$
TOTAL		39,040\$

Our path to food sustainability for 112 children

On our food farm we plan to plant most of the fruits, vegetables and other foods mentioned in the chart above.

Maize

- 1 acre of maize can produce 1,320 kg per year
- 1 person consumes around 70 kg maize per year
- 112 children and young adults consume 7,840 kg maize per year
- = 6 ½ acres will be needed to supply maize for 112 children annually

Beans

- 1 acre produces 741 kg per year
- 112 children consume 960 kg annually
- = 1 ½ acres will be needed to supply beans for 112 children annually

Rice

- yield annually: 671 kg
- 3,168 kg needed annually
- = 5 acres will be needed to supply rice for 112 children annually

Wheat

- yield annually: 6 bags of 100 kg per bag
- 960 kg needed annually
- = 1 ½ acres will be needed to supply wheat for 112 children annually

Bananas

- yield annually: 100,000 fruits
- 40,880 fruits are needed annually
- = ½ acre will be needed to supply bananas for 112 children annually

Onions

- yield annually: 23,000 kg
- 768 kg needed
- = ¼ acre will be needed to supply Onions for 112 children annually

Tomatoes

- yield annually: 4000 kg
- 1,536 kg needed annually
- = ½ acre will be needed to supply Tomatoes for 112 children annually.

Carrots

- yield annually: 8000 kg
- 1,296 kg are needed
- = ¼ acre will be needed to supply carrots for 112 children annually.

Bell Pepper

- yield annually: 6000 kg
- 384 kg needed
- = ¼ acre will be needed to supply bell peppers for 112 children annually.

Sweet Potatoes

- yield annually: 5000 kg
- 720 kg needed
- = ¼ acre will be needed to supply sweet potatoes for 112 children annually.

Cow's Milk

- yield per cow per lactation: 100liter
- 2,352 liter needed annually
- = 24 cows will be required to supply all milk needed for 112 children annually.
- 1 cow for milk production costs 350\$
- we suggest a start of 10 cows to reduce the annual costs by nearly the half
- = 3,500\$ will be needed as a one-time investment to purchase cows for milk.

Eggs

- yield annually: 200 eggs per chicken
- 2,304 eggs needed
- = 12 chicken will be needed to supply eggs for 112 children annually.
- 1 chicken costs 10\$
- =120\$ will be needed as a one-time investment to purchase chicken for eggs.
- = 2 acres will be needed to supply milk and eggs for 112 children annually.

With a total of 18.5 acres we will be able to reduce our food costs dramatically!
On the Permaculture Farm we will also plant Mango, Orange and Papaya Fruit Trees that will eliminate the current annual costs, as well as leafy greens and ginger.

With another 2.5 acres we could enrich the children's diet with Chia Seeds and Moringa Trees. This makes a total of 21 acres of farm land. 1 extra acre will be used for volunteering and thus provide extra income to support the running costs of the food farm and the expansion.



Conclusion about Food Consumption

Food is the second most cost full item in our expenses. It is about 60,000\$ annually. 39,040\$ of which is the food expenses only for the children living under the care of Share Tanzania. We know how important it is for the children to have their own food source as they should not rely for their very basic need on donations from people around the world. With 18.5 acres we can reduce these costs by 26,656\$ annually! This would be a huge success to the children, as they would always have the security of being provided with food for the rest of their lives.

Average annual running costs per acre

Fencing	200\$
Clearing	50\$
Tilling	50\$
Planting	50\$
Water (Watering)	50\$
Input (seeds, manure etc)	100\$
Weeding	50\$
Harvesting	50\$
Post harvest costs:	
Sorting	50\$
Packing	50\$
Transport	50\$
Storing	20\$
Human Resources:	
Security	20\$
Temporary laborers	20\$
TOTAL	810\$

NB: Fencing and Clearing will be only one time costs. Thus the average running costs for one acre for one year is 560\$. For 22 acres this will be a total of 12,320\$ annually.

Volunteer Acre

Start Up needs

to set up the volunteer acre we require 3,365\$. This is a one-off amount and will set everything up to be running directly. This amount will be paid back after 1 year already!

- 10 tents to host a maximum of 20 volunteers at the same time
- 2 outdoor compost toilets and showers
- equipment for gardening and farming
- camping chairs + tables
- gas cooker + utensils

Item	Quantity	Amount
10 double tents	10 @ 80\$	800\$
Camping beds	20 @ 20	400\$
compost toilets	2 @ 250\$	500\$
Eco shower	2 @ 250\$	500\$
Equipment for gardening	NA	250\$
Camping chairs	20 @ 12\$	240\$
Camping tables	5 @ 25\$	125\$
Gas cooker +utensils	NA	100\$
Solar Panel and Battery	NA	300\$
Solar Torches	12 outdoor light, 5 torches	150\$
TOTAL		3,365\$

Volunteer Package costs

One volunteer will be charged 35\$ a night if the volunteer is willing to share a tent. For one volunteer who books one tent for himself, the charge per night will be 50\$. This price does not include flights. This includes food, water, accommodation (tent), one translator per group, security, maintenance and airport transport. Furthermore x-amount will be kept for supporting the running costs of the permaculture farm and will be used for materials for the volunteers to work on the farm during their stay.

Costs per Person per day		
Food	Breakfast, lunch, dinner	10\$
Water	5 liter	5\$
Amount for Farm Running Costs	NA	20\$ / 35\$
TOTAL		35\$ or 50\$

Costs per Group		
Translator	Daily salary	5\$
Security	Daily salary for 2 guards total	5\$
TOTAL DAILY		15\$

Maintenance	NA	150\$ per group
Airport Transfer	2 @ 50\$ fuel costs per vehicle	100\$ per vehicle

Annual Expectations

We expect a minimum of 4 groups of at least 10 volunteers who stay for 30 nights each. If they all come at a charge of 35\$ per day, we can expect the following profit in 1 year:

10 people x 20\$ x 30 nights x 4 = 24,000\$
24,000\$ - 600\$ - 600\$ - 600\$ - 800\$ = 21,400\$

- The minimum profit annually will be 21,400\$ just through volunteers coming to work on the farm and experience life "off the grid".
- This amount will be able to cover the annual running costs for the other 21 acres of food farm (1 acre = 560\$; 22 acres = 12,320\$)
- And still leave a profit of 9,080\$ which can either be used for a specific project of the volunteers on the food farm, or be kept aside for expansion of the farm.



With the volunteer acre we will be able to make the food farm self supporting and replicating, as this is a minimum annual profit and we do expect this number to grow constantly!

Expansion of the Food Farm

To purchase and set up 1 acre of land costs 3900\$ for the land purchase and 810\$ costs for running 1 acre. This is a total of 4710\$. If we use only 4710\$ of the annual profit from volunteers for expanding our land by one acre, we will have another 10 acres of land after 10 years! This equals more sustainability and support for children in need in Tanzania and would be a huge milestone for Share Tanzania!

Management and Personnel

1. The Management will be under the Management team of Share Tanzania. There will be one responsible person nominated, which we suspect to be Mr Thomas Charles, the Project Manager of Share Tanzania.
2. The field labour will be done by volunteers, as well as single parents of the children living under our care.
3. The volunteer management will be under the management of Mr Salman Farooq and Mrs Fritzi St Julien who are both on the board of Trustees of the UK Charity.
4. One translator will be hired for the volunteers during their stay
5. 2 security guards will be hired for the volunteers during their stay
6. The permaculture specialist Graham Bell will be coming to Share Tanzania once the land is purchased and will be setting the whole farm up together with us.
7. Our on staff gardeners and 2 single mothers of special needs children will be taught about Permaculture practices and become our on-staff experts!

Project Impact

The Permaculture Farm is of paramount importance to the children living under the care of Share Tanzania. Whilst most people still rely on farming for their survival, we see an urgent need for the children to be connected to these roots of living in Tanzania. The security of their meals should not rely on charity, but on a natural and sustainable way of farming. Furthermore we have witnessed with our own eyes how the food supply of locals is very simple and lacks nutrition in most cases. The food farm will not only give us chance to have a direct and long-lasting impact on the children's lives, but also to raise the nutritional standard of the whole community around Uchira.



In the following sections we try to present the direct impact on the children's lives;

Angels' Gate Street Involved Boys

Currently 28 boys find a home at Angels Gate, our center for street involved children. It is located about 2km from the Moshi Central Bus Station. This is probably the busiest place in the northern Tanzania. The boys face horrific times during living on the streets and many are traumatized when we meet them. The number of boys is constantly expanding and we do our very best to offer healing, education and hope to the children. However, it is not in the best interest to our boys' lives to keep them disconnected from the traditional way of survival in Tanzania. And it seems that they feel the same!

- The boys started their own little garden in the backyard of the music school which is located right next to the Angels Gate Home. Here the boys started to farm different kinds of vegetables that are common for our area, such as Amaranth, Chinese cabbage, Tomatoes, Maize, Squash, etc. They only have a small area to farm on but already now they had great success!
- In 2018 they harvested enough greens to enrich their own diet and to share their success with the special needs children living in our home Featherstale.
- Hearing about the Upcoming of the Permaculture Project makes all of our young farmers very excited as you can imagine. The boys love to learn and are so eager to find productive ways to ensure themselves a better standard of life, as they have all experienced how it is to beg for food and sleep outside for many nights of their lives.
- The Permaculture Farm will be a great teacher to the boys where they can learn not only how to survive, but to thrive. This knowledge will stay with them a life-time.
- Moreover, the boys can farm their own food and also help in creating employment for themselves and others in the long run and even learn to start a small scale farming project of their own.
- They will also get chance to experience on a bigger scale the power that providing food for themselves holds and the great healing that is implemented in doing farming in nature. Something that is essential to most of our boys' wellbeing after facing the horrendous life on the streets with all the abuse and addiction.



This does not mean that the boys' time and career development goals will be focused on agriculture only, not at all. The agriculture will be part of what they choose to become as eating is part of everything else you do in order to live a happy and fulfilling life. At the moment the boys' time that is spent on farming already provides them with some vegetables which they eat. This is a good start. However, it is important that they learn the innovative way of farming to experience the full potential farming may have in their adult lives, as for some of the boys; this might even be their future career!

Featherstale Children's Village

Currently 49 children with special needs are living in Featherstale. Tanzania does not offer employment to special needs people yet, and thus it is upon us to find suitable sustainable solutions together with each child growing up in our care.

- Recently some of the children have started their own little garden just outside of their home "Sunshine House". On this little scale we were able to witness how eager many of the children were to get outside in the mornings to water their plants and how big their excitement was when the first crops came out of the ground!
- We know that many of the children with special needs will love the Permaculture farm. Some of the older children and adults will get a chance of providing for themselves in a traditional way.
- Several acres of the farm will be specially designed so that children and adults with special needs can easily work on them.
- Furthermore and in the long run, they will be able to use the Cash Crops, such as Blueberries or Chia Seeds, to create their own Jams and other treats to sell around Tanzania, which will have a great success as the tourists and expats enjoy treating themselves to something special over here a lot and one of our Tanzanian Trustees for the NGO is the owner of the biggest supermarket in Moshi and he is excited to sell the products to support the children as soon as possible.
- Creating these and planting the Cash Crops themselves will provide extra income to Featherstale and will help to cover the medical costs for the members of the community.

The Permaculture farm can be the future of Featherstale. Imagine that the children who were abused and neglected their entire life long, can wake up every morning to the beauty of gardening, farming and creative work. It would be a dream comes true!



Animal Farming

- The project will not only focus on farming grains, fruits and vegetables alone. We intend to also keep animals like cows and chicken. With these we will be able to have milk, eggs and meat in the menu for the children.
- This is nutrition that the children need to be the strongest version of themselves, as Tanzania does not offer food supplementation like the west does and thus we rely on what mother nature can provide as most nutritional food.

Super Foods for Strong Children

We have already started planting a small amount of Moringa Trees around Featherstale and we are excited to implement different kinds of so called Superfoods to our Permaculture Farm to enrich the diet of the children to a maximum.

- We envision Moringa Trees, Chia Seeds and different kinds of Berries such as Blueberries, Strawberries etc.
- We are aware of the powerful impact these foods can have on our well being and especially to the children who are arriving in our care highly malnourished and skinny we hope to be able to offer a natural and healthy way back to strength.



Education

The idea behind the project is to be able to transform the way farming is done here in the rural areas of Moshi.

- Using best farming practices and using an innovative approach, the project will not only benefit the children directly, but also be a model for other community farmers to learn from.
- We intend to make this project a class for the local residents who are interested in farming and look into possible collaborations so that the communities can improve on their yields as well as profits.
- Furthermore we know that in order to change the way we humans treat nature, the best path is to educate the young generations, because they are our future and their mind is open and interested in new ideas and the impact they can have in this world.
- Thus we want to host an open Permaculture Class especially for children and young adults on our farm too. We want to teach and experiment together with the children (who we support through sponsorships in their school education anyways) and give them chance to discover how much fun planting and gardening is and how many different ways there are to be successful with it, even ways where you do not have to use pesticides and chemicals.
- With the help of volunteers (see section Volunteering and Tourism) we can even start project classes inside the Secondary Schools around Uchira to reach even more students and invite them to our open Permaculture Classes!
- Once our Permaculture Farm is all set up and running we are positive that we will be able to collaborate with the schools we support in the area too, as they can witness our success first hand and hopefully we will be able to help them to set up organic farms at their schools too so that in a few years down the line all children in our area will eat organic meals every day in school.
- 2 years ago the head of social welfare came to visit us in Featherstale actually and we had a long talk about Permaculture and we opened up to us with his dream of influencing the education system to implement Permaculture as a subject to every students studies. This might sound far reached, but we know that a working model like our Permaculture Farm will definitely be able to show the impact and positive change this approach can bring to communities in Tanzania.



Plastic Pollution – Alternative Options

Plastic pollution is a major problem in Tanzania. The government has made a great start this year by banning all plastic bags from the country, but naturally this is not enough. We wish to begin bringing awareness to the children and adults about the harmful effects of plastic to the environment as well as to their health.

- In Featherstale we have already started to reuse empty water bottles as Eco Bricks (disposed plastic bottles compressed with rubbish/soil)
- We hope to make this part of our Change of Mindset with the Permaculture Farm. Raising awareness and teaching the children in our care is the very first step, but it does not need to end here!
- Some of our children might like to become ambassadors and teach fellow students about the environment and how to take good care of it too.
- Eco Bricks can be a reasonable low cost building material to not only us, but also schools and family homes.

Community Support

Doing the work we do, we get in contact with people who have no option for employment as they may be chronically ill (HIV) or mentally ill. With the support of sponsors we try to ensure a safe and healthy living to them, as we cannot employ them around the sectors of child care or kitchen work.

- With the Permaculture Farm we want to open up employment opportunities for people who would not find any employment anywhere else due to their condition. This can be as a farm section manager, as an outreach worker or field worker.



Volunteering

At one section of the land we imagine a community of 10 tents for volunteers.

- We will use tents to keep our impact on nature as minimal as possible.
- This community will be having two shared toilets and showers and will be solar powered.
- Throughout the year we will open our doors to volunteers from abroad who can come and work on the farm together with the locals.
- It will be an off the grid experience in direct connection to mother nature.
- Each volunteer will be asked to fundraise a set amount of money before coming to Tanzania. Part of this amount will be available to the group during their stay to expand or to start their personal project on and around the Permaculture Farm.

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- The groups will cook with the organic foods provided by the farm as a community.

Due to our big social media following we are aware that many people have reached out and asked us about volunteering in history. Our highest goal is the well being of the children though, and we never felt comfortable to have short term volunteers coming to spend a few weeks bonding with the children to then break their hearts when they leave again. Thus we have a very critical stand on volunteering directly with children (especially those with special needs). We are aware though that volunteers can and will be a huge support to the children even if they do not work with them directly.

The Permaculture Farm has always been our dream to start volunteering in order to expand and support the care of the children.

To give an example, in 2017 we have gotten 200 applications for volunteering only of one video made by our founder John St Julien. A common price for volunteering is between 30\$ - 50\$ per day per person.

First Steps – A timeline to success

- **Purchase Land**

First of all we have to purchase the land, ideally 22 acres, but naturally also a smaller amount of land can have a huge impact and with the volunteer acre we will be able to expand every year by at least 1 acre to improve the impact of the farm on the lives of the children living under the care of Share Tanzania.

- **PermacultureExpert**

The internationally known permaculture specialist Graham Bell from the UK has offered us his expertise in setting up the permaculture farm. He has been successfully starting permaculture farms all over the world and likes to share his knowledge especially with those who need it most. Graham would either come to us himself, or one of his co-workers who has already more knowledge on the East African farm land will come. Graham's words to us were very clear: "After 5 weeks of staying with you, I hope to never need to return as everything will be set up perfectly for the coming 5 years minimum." We will only have to pay for the flight as the work will be gifted to the children.

- **Start planting, growing and educating!**



Financial Plan Summary

Plan 1)

To build up a Food Farm that can support the children living under the care of Share Tanzania to more than 68% after year 1, we require the total amount of 113,125\$.

Purchase of land	22 acres @ 3,900\$	85,800\$
Set Up costs for land	22 acres @ 810\$	17,820\$
Purchase of cows and chicken	12 @ 10\$ + 10 @ 350\$	3,620\$
Bore hole and irrigation system		1,520\$
Volunteer acre set up costs		3,365\$
Graham Bell visit: Farm Set Up	Flight	1,000\$
TOTAL		113,125\$

Plan 2)

Naturally we can also start with a smaller amount, and purchase more land with the annual profit of the volunteer acre.

Instead of 22 acres we could start with 11 acres.

Purchase of land	11 acres @ 3,900\$	42,900\$
Set Up costs for land	11 acres @ 810\$	8,910\$
Purchase of cows and chicken	12 @ 10\$ + 10 @ 350\$	3,620\$
Borehole and irrigation system		1,520\$
Volunteer acre set up costs		3,365\$
Graham Bell visit: Farm Set Up	Flight	1,000\$
TOTAL		61,315\$

The annual amount saved on food production with 11 acres will be 13,328\$ which equals 34% of our annual food expenses for the children living under the care of Share Tanzania.

With the profit of the volunteer acre we will be able to expand at least by 1 acre per annum. This means that after a maximum of 10 years we will have 68% of the food supply for the children self-sustainable!



Conclusion

We know that the Permaculture Food Farm will be the future of the children living under the care of Share Tanzania. With the total amount of 61,315\$ we can make a first huge step on this path into a sustainable future of Share Tanzania. This amount will set the food farm up and reduce our annual food expenses for the children by 34% after 1 year! Furthermore will it ensure its constant expansion through the volunteer acre: At least 1 additional acre can be purchased every year after the initial purchase and thus the food expenses will consistently be reduced.

For some of our children the farm will provide their nutritional needs only as they have no chance to move their body to physically help in the work on the field. For others the farm can be a teacher for life where they learn skills that they can carry with them wherever they might go. And for some this farm might very well be the profession for life.

In any way, the Permaculture Food Farm is essential to the needs of the children. The children need an alternative, sustainable solution that they can rely on for their basic nutritional needs instead of the generosity of donations. Farming is the solution in a country like Tanzania where more than 70% of the population is living of their own land.

We hope to be able to build this beautiful food farm and with it open up a whole new world to the children living under our care.

Contact Info

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