



# Quarry Youth Activities

## *Youth Hands-on Activities at Quarry Site*

### **Introduction**

Mikoko Development Foundation has developed important and useful tools that suit young adults aged from 5 to 26 years that allows them to grow mentally and physically in relation to life skills inclusive impacting young adults in climate change and environmental education through creation of green jobs with capacity of solving local problems.

The provided activities has been initiated by the team of Mikoko Development Foundation consisting of different professionals such as Teachers, Natural Resources Conservation, Social Workers, Financial Managers, Geography, Agriculture, Business and Marketing, Graphic Design, Management & Administration, Sociology, Biotechnology, Health & Safety, Information & Communication Technology, and other fields related to Science and Environment.

## Why Quarry Youth Activities?

1. **Results** – each experiment or activity is tested by scientists at Mikoko Team to make sure it works
  2. **Simplicity** – easy-to-follow instructions so young adults will know and understand exactly what to do each step of any activity.
  3. **High Quality** – MDF’s team has hand-picked each item to make sure it’s exactly what you need for success of your youth and children with participatory and field based programs that allow coordinators to transform basic knowledge to teachers and students at the same time with great support that impacting their academic and life skills.
- **Education Session**

Youth and children given chance to learn environmental, health and safety related issues that will help them in their daily life routine. In addition to that children and youth will attend agriculture and entrepreneurship sessions that available at Wazo Hill Quarry Site.
  - **Quarry Biodiversity Assessment**

Youth and Children will take part in conducting transect walk, pit trapping, net trapping and other related simple scientific research methodology related to quarry biodiversity exploration and learning for the aim of helping and impacting children academic and professional development in conservation of nature and green jobs.
  - **Tree & Flowers Gifts**

Guests who visit Quarry Site awarded with trees fruit or shade tree for the aim of promoting community with greening programs at their localities to participate in climate action to contribute towards Sustainable Development Goals (SDG)
  - **Tree Learning & Identification Activity**

Young Adults will learn types of trees and learn how to identify trees at Wazo Hill Quarry Site for developing their capacity in understanding botanical names of trees inclusive of classification of botany at the quarry site.
  - **Seeds Germination & Distribution**

Young adults will participate in observing and learn seeds germination, how seeds transported from one area to other areas. Young adults will learn much about agents of seeds dispersal such as water, wind, animals, gravity and explosion related to quarry sites and gravel pits.
  - **Species Profiles**

Community Biodiversity Museum located at Wazo Hill Quarry Rehabilitation Site has been working harder to establish digital books and locally printed copies that helps and supports young adults observe, learn and understand about nature and its components. During this activity youth will learn much about
  - **Twiga Naturalist Award**

This is the grand star award available to youth age of 5 to 26 by which qualified Naturalist Trainers are allowed to grant this award to a given group after perform quarry youth activities and activities assessment for award winning.

This award is available through systematic assessment set by which young adult given opportunity to display his or her creative, innovation capacity towards assessment and conservation of biodiversity located at natural resources areas inclusive Quarry sites, and gravel pits.

- **Birds Territories**

At Wazo Hill Quarry Site, young adults will have great opportunity to explore bird's territories inclusive of birds nest with their names with bird profile inclusive of ecological role at the quarry site.

- **Birds Watching**

Young adults will have chance to conduct observation by which the group will have to use birds books to learn more about birds while watching them and relate to what is available on their resource books that distributed in form of groups.

- **Flowers Learning & Identification**

Young adults will learn more about flowers in terms of botanical names, local names and business names by doing that they will be able to understand role of each flower in biodiversity, how to plant and grow them at their home or school towards local beautification projects.

- **Aquaculture Programs**

Young adults will have chance of learning all about aquaculture projects at Twiga Quarry site in which they will be having idea on how to grow fish at their home and when they grow up, they will take it as an income generating activities for increase income and self-employment.

As part of green jobs as it will be contributed by Quarry Life Awards to the community, as this will solve unemployment with reduction dependency on forest resources as it will increase conservation and management of urban green ecology.

- **Fish Profile**

Young adults will learn about types of fish and how to grow them at their home the profile will include type of fish, classification, diet, importance to the ecology, uses of its products, contribution to the individual and country economy, marketing value of the fish.

At the last youth will get chance of addressing their understanding and start their local projects to support their ideas at the clubs for Fish badges.

- **Reserved Tree at Wazo Hill Quarry Site**

The Baobab tree reserved untouched during extraction of limestone is the evidence of how Twiga Cement value conservation of nature and biodiversity that other individuals might take chance to conserve their land after construction or after extraction of minerals or any developmental projects to help conservation of biodiversity.

- **Quarry Rehabilitation Program**

Young adults will be learning on Quarry Rehabilitation Project including history of before the extraction of limestone during and after and the second part will be before rehabilitation of the quarry site during and after.

List of research will be shared to young adults to make them think critically on rehabilitation of the quarry sites including green investments or green technology to combat climate change.

- **Gardening activities**

Young adults will be able to learn much about gardening project that will allow them become competent in landscaping and beautification projects at their homes or school that they will become aware of climate change and greening programs at their localities.

- **Safety Program at Quarry Sites**

Tanzania Portland Cement Company Ltd will provide safety induction session at Twiga Cement Facility by which all youth who will be getting to Quarry Site will be provided with quick view of list of activities and plans and safety procedures in which Mikoko Development Foundation (Mr. Olais Raphael) and the team will provide a roadmap to support youth be safe during learning process.

- **Bats observation & learning**

For youth aged over 18 may request under special permission at Tanzania Portland Cement Company Ltd to have one night camp at Wazo Hill Quarry Site for the aim of trap bats, learn them under animal safety of safe catch and release method.

- **Visit Wazo Hill Quarry Museum**

Young adults will get free chance to enter Community Biodiversity Museum by which the narrator will portray the story about quarry rehabilitation project including milestone achieved by Tanzania Portland Cement Company Ltd towards green industry and biodiversity conservation.

- **Visit Mikoko Nature Learning Center**

At Mikoko Nature Learning Center is where young adults will meet series of interesting youth educational resources at the place mostly youth will learn much about Wazo Hill Quarry Site that will promote them well understand about environmental economics concepts.

Some perimeters of Environmental Impacts Assessment will be provided and how Tanzania Portland Cement Company is focusing on issues related to biodiversity and environmental conservation.

- **Science & Engineering Creative Projects**

Young adults will be given chance to become engaged in engineering projects at their school or home after learning some creativity ideas and shaping their career at Wazo Hill Quarry Site.

Some models developed by Mikoko Team will help and support young adults create and innovate their own projects from the learning session provided at the center.

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