



YOUNG SCIENTISTS
TANZANIA



Science for Development

Science for Development

Young Scientists Tanzania is a unique and innovative programme in Africa, delivering two integrated and complimentary events in the Tanzanian secondary school academic year. The first is a comprehensive **Science Outreach Programme** covering all regions in Tanzania and the second is an attractive high profile **Annual YST Exhibition** and competition in which secondary students showcase their research. The Annual YST Exhibition component is based on the Young Scientist model in Ireland. The Annual YST Exhibition is used to showcase the success of the students and teachers involved in the Science Outreach Programme.

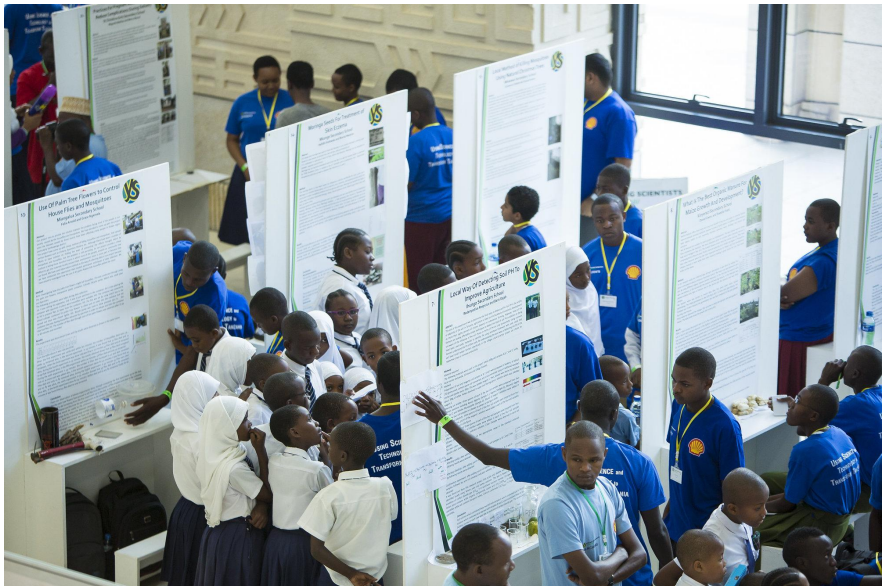
The **Science Outreach Programme** is an indigenous independent programme developed by YST to add value to the YST Exhibition and in doing so, develops a much-needed Science Culture in Tanzania. The Science Outreach Programme is the key component of YST as it builds much needed scientific capacity among young secondary level students and their teachers.

The Science Outreach Programme augments the Tanzania National five-year development plan as published by the **Ministry Of Finance And Planning** (2016-2022) and the **African Union, Continental Education Strategy Plan (CESA 2015-2025)**.

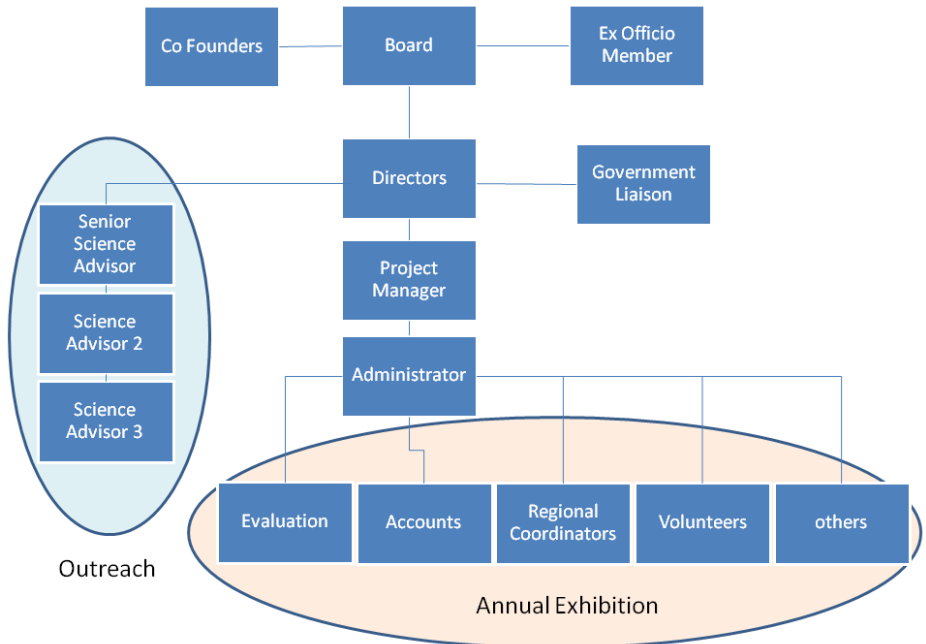
CESA 2015-2025, strategic objectives is to fully reorient African education and training systems towards the achievement of the African Union's vision and Agenda 2063. It plans to achieve this by strengthening the science and math curricula in youth training and by disseminating scientific knowledge and culture in society.

CESA 2015-2025 strategic objectives mirrors and aligns with the strategic objective of the YST Strategic Document -Science for Development by:

- Encouraging practical training
- Rewarding innovation and innovators
- Introducing science research at an early stage of education
- Creating attractive extra-curricular activities such as science parks and clubs
- Facilitating the implementation of incubator projects and mentorship programs
- Employing informal and non-formal means of disseminating scientific knowledge and culture
- Embedding contextualized scientific knowledge in curricula
- Promoting indigenous scientific knowledge and culture.



Organogram



YSTE Tanzania Ltd Board

Young Scientists and Technology Exhibition Tanzania Ltd (YST) is an independent, not for profit, charitable organisation with no share capital. The company was registered on 11th July 2011. The Board has a key pivotal role in setting and delivering the strategic objectives of the organisation, as outlined in the YST Strategic Objectives, Memorandum of Association and Articles of Association of Young Scientists and Technology Exhibition Tanzania Ltd.

The Board analyses and evaluates the annual review of YST activities. The Board reviews the annual financial, management and auditors reports and provides advice and guidance on good governance. At any one time, the Board has a maximum of 10 members. Board members serve for a 5 year fixed term. The Board consist of representatives of Universities, NGOs and Private Sector.

Directors and Co-Founders

The **Directors** and **Co-Founders** ensure that the functions involved in managing and delivering YST are performed to the highest standards as dictated by the Board of YSTE Tanzania Ltd and aligned with the Memorandum of Association and Articles of Association of Young Scientists and Technology Exhibition Tanzania Ltd

The Directors and Co-Founders of YST provide a supporting and advisory role to the Board of YSTE Tanzania Ltd on Science for Development on a national and continental strategic planning level.

The Directors and Co-Founders ensure the YSTE Tanzania Ltd accounts are managed and properly kept in a transparent manner with the highest integrity. They ensure that YST Accounts and Management report are presented annually to the Board. They ensure that the Board appoint a reputable independent auditor for the annual YST audit and circulate these audited accounts to members. Furthermore they ensure that up-to date accounts are presented at all regular Board meetings.

The Directors represent the ethos of Young Scientists Tanzania organisation in the public and media arena. (Science for Development)

The Directors and Co-Founders have overall responsibility for setting the strategy of the organization as agreed with the Board,

and setting specific financial targets that the organization will seek in order to achieve its' goals.

The Directors and Co-Founders have a key role in Identifying organizational values and ethical standards especially in relation to sponsorship agreements.

The Directors, Co-Founders, Ex-Officio Board Members ensure that the Young Scientists Ireland template for the Annual YST Exhibition component is delivered according to the terms of the agreement with YSTE Ireland Ltd.

Project Manager

The **Project Manager** has the overall responsibility for Communications/ Administration/ Logistics/ Sponsorship as outlined in the Strategic Document.

The Project Manager organises and co-ordinates the Science Outreach Programme. Science Advisors visit school in all regions, in order to explore and refine potential project proposals through an extensive outreach and monitoring programme. The Project Manager has the overall responsibility for the successful planning, design, execution, monitoring, controlling, closure and review of the Annual YST Exhibition.

The Project Manager ensures that all financial transactions and procedures align with the YST Financial Procedures manual.

The Project Manager is supported by a full time Administrator to support and advise and manage office incoming and outgoings, budgets, regular bank reconciliations, developing schedules for outreach and exhibition, coordinating YST scholarship programme, co-ordinating PR, co-ordinating documentation for outreach and exhibition

The Project Manager is also responsible for resource planning, developing an annual budget, conflict resolution, managing risks and issues, monitoring and reporting progress, developing and co-ordinating team leadership programmes for regional co-ordinators and volunteers, strategic media Influencing, strategic business partnering and controlling quality

Science Advisors

The Science Outreach Programme is the core activity of Young Scientists Tanzania as outlined in the strategic objectives of YST. It is a unique and innovative approach to developing a science culture in secondary schools.

The Science Outreach Programme is an innovative, sustainable approach to development. It encourages research by providing a sympathetic supportive mentoring programme and by facilitating up-skilling workshops for teachers and students. Students' confidence in their ability to undertake scientific research is developed. In return, the students are encouraged to submit project proposals to the Annual YST Exhibition. This provides the students with the opportunity to showcase their research on a national platform. By presenting their projects at the high profile exhibition, with their peers from all over Tanzania, the students are encouraged to believe that they can become active vehicles of change in their country.

Without the Science Outreach Programme, YST would have difficulty in attracting sponsorship as a stand-alone exhibition component. A strong effective Science Outreach Programme is vital for the self-sustainability of YST.

The Science Outreach Programme is developed and implemented by the Science Advisors.

The Science Advisors are responsible for the academic aspect of the exhibition, including mentoring and coordination of projects for the exhibition.

The Science Advisors are responsible for the presentation of high quality relevant projects at the annual exhibition.

During the exhibition, the Science Advisors are responsible for signing the final scoring matrix, thus ensuring the judging process is fair, impartial and unbiased

Senior Science Advisor 1

Responsible for Zone A (North, East and Zanzibar regions). Co-ordinates School Outreach in above regions, Projects generation, Scientific Methodology, Mentoring of projects, Pre exhibition Project Posters. Specific Outreach Advisor in 10 regions: Supervise 10 Regional Co-ordinators

Science Advisor 2

Responsible for Zone B (Central and West regions) Co-ordinates School Outreach in above regions, Projects generation, Scientific Methodology, Mentoring of projects, Pre exhibition Project Posters. Specific Outreach Advisor in 10 regions: Supervise 10 Regional Co-ordinators

Science Advisor 3

Responsible for Zone C (South, East and Dar es Salaam regions) Identify, recruit and maintain a sustainable panel of national and international judges. Chairperson of Judging and Coordinator of Judges at YST Exhibition. Co-ordinates School Outreach in above regions, Project generation and mentoring, Scientific Methodology,

Pre exhibition Project Posters. Specific Outreach Advisor in 10 regions: Supervise 10 Regional Co-ordinators

Accountant/ Book Keeping

Preparation Month end accounts/ liaising with Project Manager and auditors and Board

Government Liaison Officer

Liaises with all Government bodies for the smooth running of YST

Regional Co-ordinators

Science Advisors recruit a Regional Co-ordinator from each region. Regional Co-ordinators are the key element in the cluster organisation of YST, arranging workshops, school visits and visits by Science Advisors

Event Volunteers

One month before the annual YST Exhibition, 40 volunteers are recruited to assist the YST team in the running of the exhibition in areas such as catering, transport, accommodation and assisting event management team.

Event Management Team

Each year, YST holds a high profile YST Exhibition and Awards Ceremony to celebrate the achievements of the Science Outreach Programme. Great emphasis is put on the delivery of this component as it puts the students at the centre stage of the project. A highly professional event management team are recruited to deliver this event

Annual Auditor-Howarth Tanzania Ltd

YST accounts are independently audited annually

Annual Evaluation: An annual review of YST is published



Current

Co-Founders (YSTE Tanzania Ltd 2011)
Joseph Clowry and Dr. Kamugisha Gozibert

Directors: Prof. Eligius Lyamuya, Dr. Gozibert Kamugisha and Joseph Clowry, as determined by the subscribers of the Memorandum of Association of Young Scientists and Technology Exhibition Tanzania Ltd. 11th July 2011.

YSTE Tanzania Ltd Board :

Prof. Yunus Mgya, Prof. Eligius Lyamuya, Dr. Sylvester Rugheiyamu, Dr. Emmanuel Balandya, Dr. Angelina Bijura, Ex-officio: Joseph Clowry and Dr. Gozibert Kamugisha as Co-Founders and as determined by YSTE Ireland for the use of IP for the exhibition component of YST only.

Government Liaison Officer: Titus Mtelka

Science Advisors-Zones A/B/C (Part Time)

Zone A: Joseph Clowry **Zone B:** Dr. Gozibert Kamugisha,

Zone C: Dr. Brendan Doggett

Project Manager (Full Time)

Nabil Karatela

Administrator (Full Time)

Hadija Msafiri

Accountant/ Book Keeping (Part Time)**Regional Co-ordinators (Part Time)****Event Volunteers (Part Time)**





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[#ystanzania](https://twitter.com/ystanzania)