Tree Planting Initiatives through STEAM

CALEB STEAM HUB

Olusegun M. Adeniyi | Caleb British International School, Nigeria | Caleb STEAM Hub | https://linktr.ee/calebsteamhub | December 22, 2022
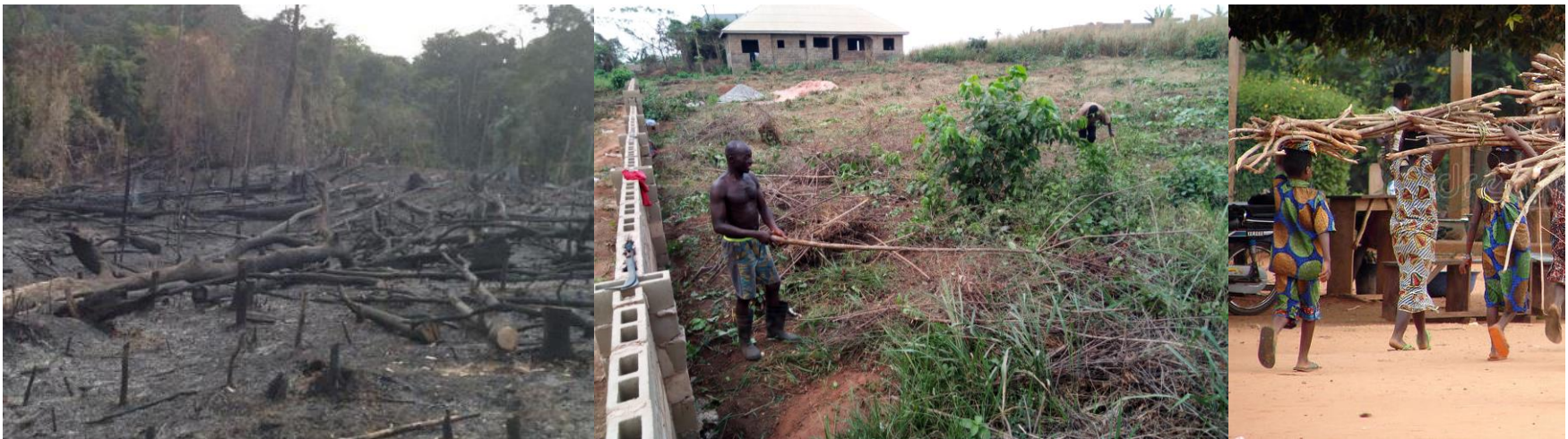
Background of the project

About half the land in Nigeria used to be covered in trees. Today, Nigeria has lost 96 percent of its forest due to deforestation. This is alarming and catastrophic! As of 2005, Nigeria has the highest rate of deforestation in the world according to the Food and Agriculture Organization of the United Nations (FAO). Between 2000 and 2005 the country lost 55.7% of its primary forests, and the rate of forest change increased by 31.2% to 3.12% per annum. Forest has been cleared for logging, timber export, subsistence agriculture and notably the collection of wood for fuel which remains problematic in western Africa.

The fact is that our planet is becoming warmer every day, which is known as global warming. Global warming is one of the greatest problems in the world today. Global warming is a phenomenon of climate change characterized by a general increase in average temperatures of the Earth, which modifies the weather balances and ecosystems for a long time. It is directly linked to the increase of greenhouse gases in our atmosphere, worsening the greenhouse effect. Humans are increasingly influencing the climate and the earth's temperature by burning fossil fuels, cutting down rainforests and farming livestock.

The country's rainforests are fast declining. And if action is not taken, we will continue to experience increase in temperature due to global warming.
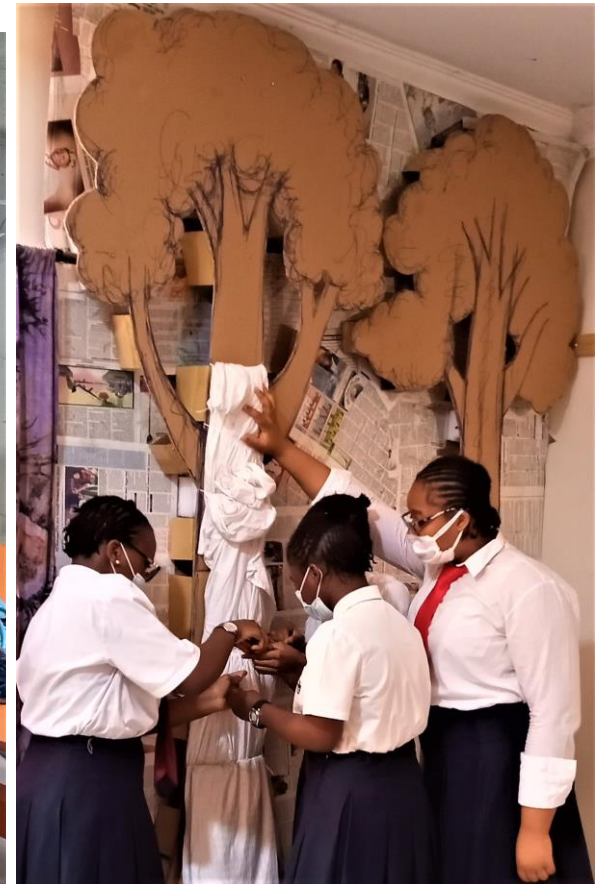
About the project

Credence to the aforementioned, the STEAM students of Caleb British International School, Lagos Nigeria have created 3D sustainability projects to drive Tree planting initiatives, advocacy and action titled: Restoring our Forests (Afforestation and Reforestation). The 3D sustainability project highlights the benefits of planting trees and the practical role rainforest plays in keeping our planet healthy by absorbing carbon dioxide and releasing the oxygen that we depend on for our survival.

The integral part of the project is recycling; recycling is one of the most practical ways of taking action for the survival of our planet. Recycling saves energy and water, lowers pollution and greenhouse gas emissions, and helps to mitigate Global Warming.
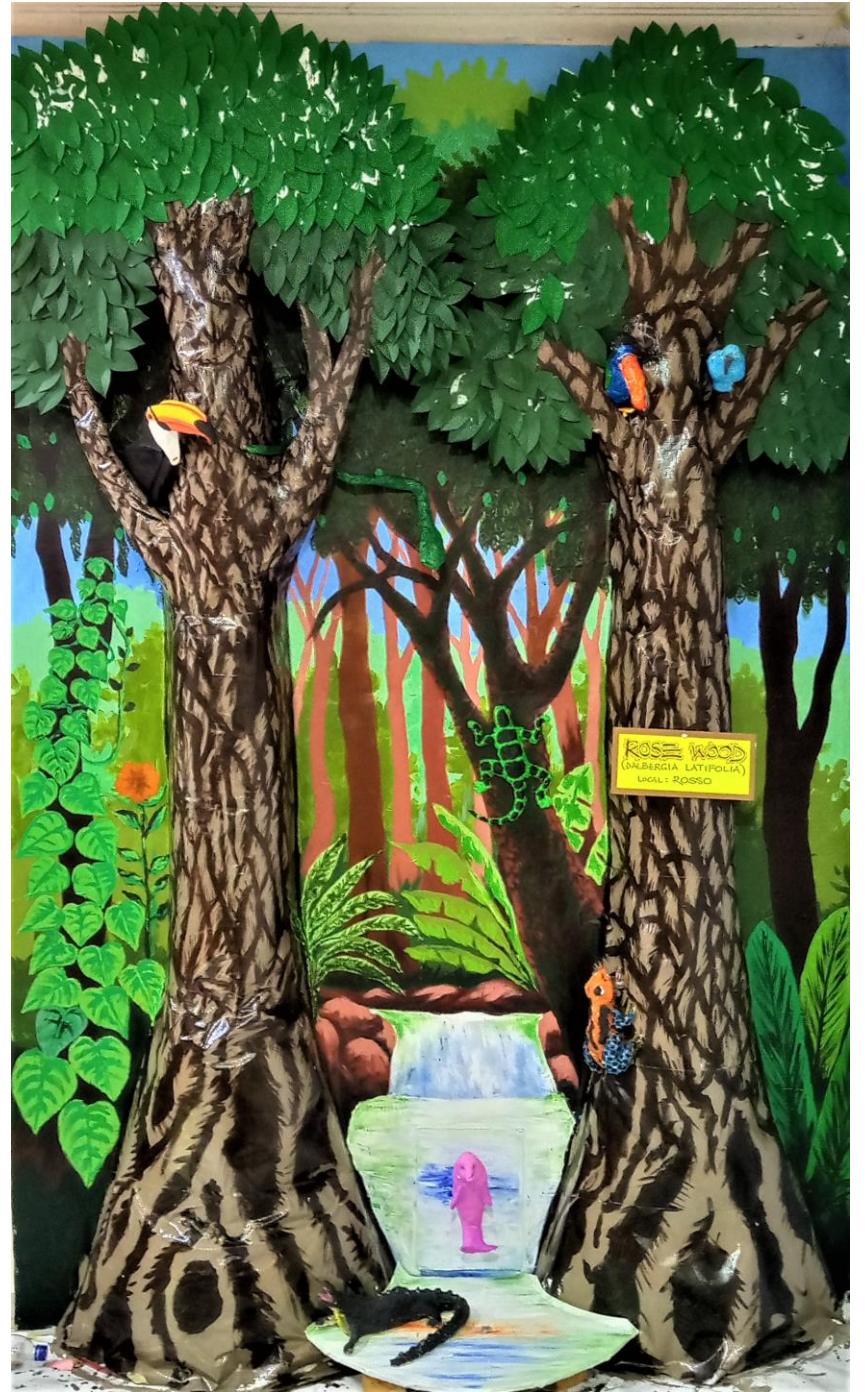
The 3D sustainability project (Recycled Art) is to articulate the significance of forest restoration towards mitigating global warming. The goal of this project is to champion the culture of planting trees in order to:

1. Restore our forests
2. Preserve biodiversity
3. Prevent climate change and
4. Reduce global warming

The making of one of the 3D sustainability projects using recycled materials.

Some of the project participants; Chisom Okonkwo, Kanyinsola Jegede, Milly-Jane Dzikwi and Timandra Usoroh with the Project Coordinator, Prince Olusegun Adeniyi

Integrating SDGs into Art lessons through Project Based Learning

Tree Planting Advocacy Project

Tree Planting Advocacy Project

Tree Planting Advocacy and Action: https://youtu.be/ELg6qJR9UKs

TREE PLANTING ADVOCACY BY THE CBIS PARENTS
POWERED BY: CALEB GREEN CHAMPIONS (ISA ACTIVITY 3 TEAM & CALEB STEAM HUB TEAM)

Caleb STEAM Hub is raising creative and critical thinkers equipped to solve real-world problems. Caleb STEAM Hub explores the holistic and intercultural integration of global citizenship into STEAM education that enables students to solve their community issues. The overall objective is for the CBIS students to participate in, and contribute to contemporary global issues at national and global levels as informed, engaged, responsible and responsive global citizens.

Our project focus has been Sustainability, Advocacy and Recycling to tackle the issues of Climate change (SDG 13) and to protect the lives on our planet, Earth. Advocacy is also important integral of our projects so as to reach wider global audiences to embrace eco-friendly life style, all for the preservation of the future of our planet

The success of our Tree Planting Advocacy was that it has opened the consciousness of Nigerians to Tree planting and many have already started planting trees in their various homes and properties. Our students have planted trees to commemorate the United Nations Days and we got published on Nigerian Newspapers to get Nigeria populace involved in Tree planting.

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