

Stem Farm team's Final Report



GLOBAL
SOCIAL
LEADERS



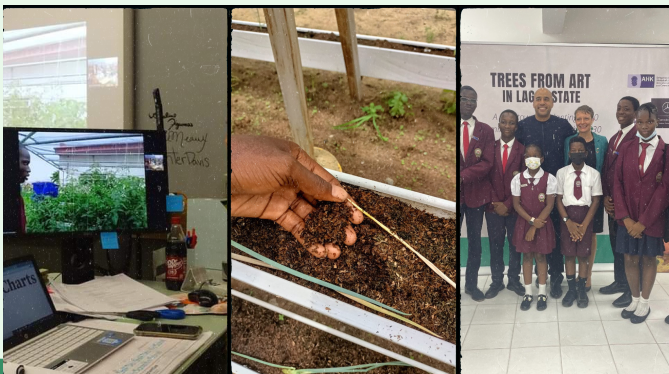
Our path from start to finish

At Caleb British International School, we have an extra-curricular club called the Young Entrepreneurs Club. We were charged to find a solution to a problem that would effectively aid our ecosystem. During one of our club sessions, we held a brainstorming session in which we created a mind map of *global warming* and *food insecurity* as the subject of discussion and we all came up with ideas on possible solutions to global warming and food insecurity and one of us suggested the concept of hydroponics system of farming, which we all decided to look into and chose it as a viable solution to these challenges.

- During our brainstorming session, we realized that SDG 7 "Climate Change" is connected to SDG 2 "Zero hunger" because climate change and deforestation all affect food production and this, in the long run, will cause a reduction in the total amount of food available to the rising global population.
- To achieve our goal of sustainable farming, we have to adopt one of the most vital skills in the world - "collaboration", which is inclined with SDG 17 "Partnership for the Goals".

Our Impact on Others and our Community

With our concept, we participated in many external activities outside our school and; we got global recognition from several organizations and schools like ours. A most notable one we had was a presentation on "the World Food Day", where we shared our concept. We were also allowed to share our idea with fellow students like us outside our country and they were highly impressed by the steps we are taking in combating climate change. We were able to participate in local and international competitions where we gained recognition from top officials in government here in Nigeria and were adopted by an organization called "Green Entrepreneurs" and be given several opportunities to enlighten people more about our concept.



7 AFFORDABLE AND
CLEAN ENERGY



2 ZERO
HUNGER

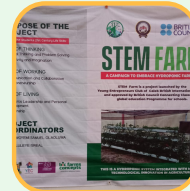


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- STEM Farm is a project whereby we use substrate as a replacement for soil and harness technology with the aid of a responsive drip irrigation tape to effectively distribute water and organic fertilizers automatically.
- Stem Farm is a sub-team from "the Young Entrepreneurs Club" and virtually all participated in it. It is a student-led project and consists of about 50 students and three adults who helped us during the project.
- We commit about three hours a week each to the project and have spent a total of 120 hours in the past 12 months.



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Special Recognition

Our Club coordinator; Mr Samuel Awoyemi

Our school: Caleb British International School

We were able to partner with organizations we met during the course of the project that supported and are still supporting our drive.

The Green Entrepreneurs

The German consulate here in Nigeria that gave us some seeds to plant.

Lagos State Government who we partnered with to plant 10 million trees and many other organizations.