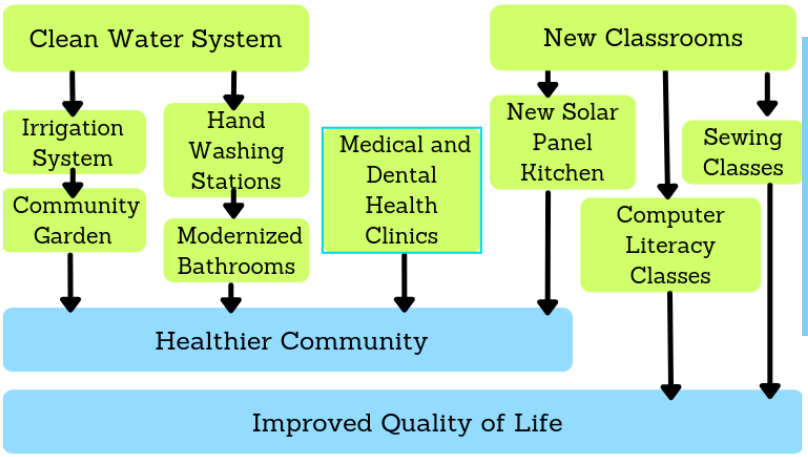
SUNY BROOME

Health For Haiti

Safe & Sustainable Kitchen Design

What is Health For Haiti?

"Health for Haiti" is a SUNY Broome service learning course. Our annual projects are focused on helping the community develop sustainable resources for nutritional food, clean water, adequate shelter, educational opportunities, healthcare and good sanitation.



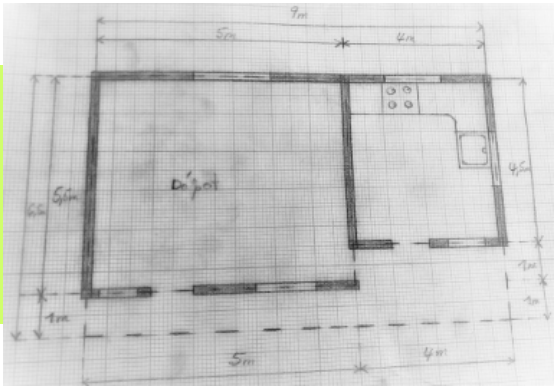
This diagram shows the widespread impacts SUNY Broome's Health for Haiti class has had on the community of Grande-Saline.

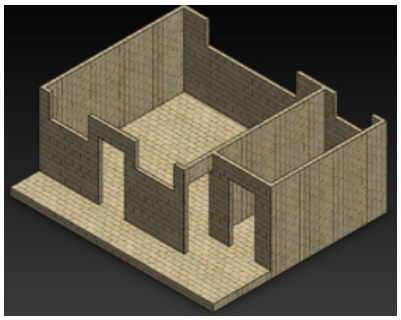
Health for Haiti School Kitchen Project

The school provides a lunch using produce from the community garden. For many, this will be their only meal of the day. Currently, the only system the school has for providing these meals for the 200+ students is by cooking over a charcoal fire. Charcoal fuel causes many problems including deforestation, an unsanitary and unsafe cooking environment, as well as a financial strain on the community. Which spends roughly $3,000 on charcoal each year in order to cook the children's meals.

Here you can see some of the cooking staff preparing lunch for the 200+ school children.

Our Sustainable Kitchen Design





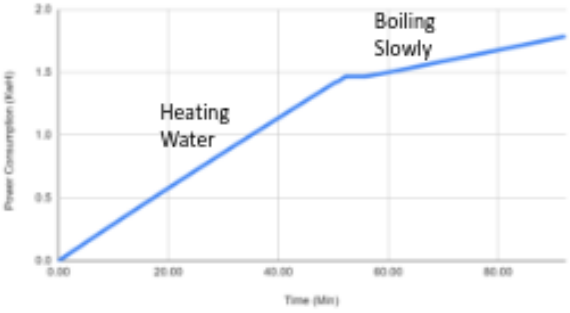
The drawing (above) was created by our partners in Haiti. The model drawing (right) was created by a SUNY Broome Engineering Student.

We are partnering with the school in Grande-Saline to design and build the most modern building in the local community, providing a better, safer, and cleaner kitchen for the women who provide meals to the 200+ children attending the school. This kitchen will be equipped with electricity, induction stoves, and a photovoltaic system. The walls will be constructed with concrete blocks, with a poured concrete floor. The roof will be equipped with solar panels that directly power the induction stoves and other electrical outlets in the kitchen. The sophistication of this technology will provide the community with a source of great pride in their modernized resources and infrastructure.

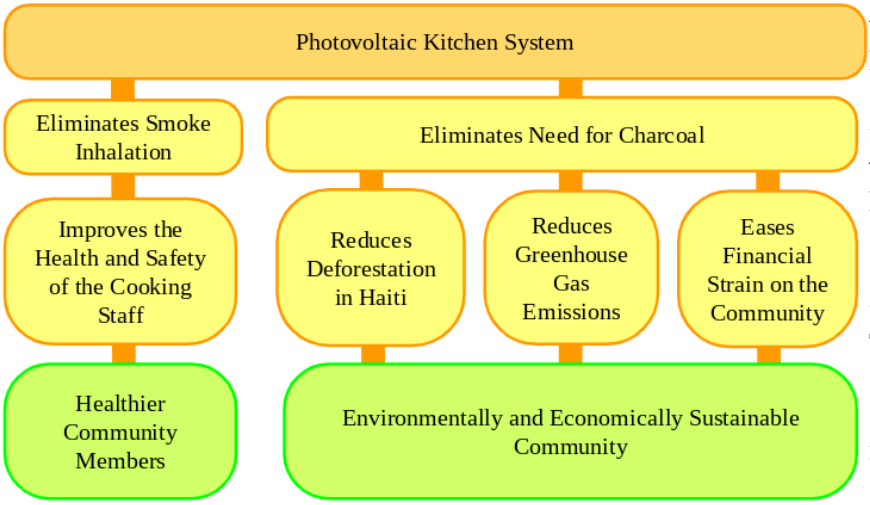
Students Initial Research

SUNY Broome's Engineering Club has been conducting several tests using brand new cooking equipment and information regarding the cooking methods they use at the school in Grande-Saline. Using the collected data we have begun to work with ETM Solar Works to design a system that meets the needs of the community.

Induction Cooking Data (12 Liters)



The Impacts of this Project



The ultimate goal of this project is to help the community of Grande-Saline to become healthier, as well as environmentally and economically sustainable. Through our modern photovoltaic kitchen design they will be able to become self-sustainable, no longer needing to rely on charcoal. This alleviates a huge financial strain on the community, allowing them to use their resources for other needs.
This project will also provide the community with a desperately needed space dedicated to storing all of the produce from the community garden. Once completed, we hope to study the sustainability of this project to see if it is a viable model to use in other communities around the globe.

Finances

Our current cost estimate is between $20,000-$30,000.
We have been financially supported by our local community, Tioga Hills Elementary school has raised over $2000 for this project. SUNY Broome's Engineering Club has raised about $400 through small fundraisers, with the plans to raise even more.