



WATERMARK

# **DOWERGLEN HIGH SCHOOL FOOD SECURITY**

Thursday 16 November 2023

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# CONTEXT

Watermark is a transformative program that has focused on delivering clean water and sanitation infrastructure, farming training, and water education to young people in underserved communities.

Beyond immediate relief, it equips students with vital skills for future employment opportunities in agriculture and water management. The initiative emphasizes sustainable water practices, community engagement, and skill development, aligning with global sustainability goals.

## **The Case for Dowerglen High School:**

1. **Infrastructure Enhancement:** Dowerglen High faces significant infrastructure challenges. Watermark can provide solutions, especially in water infrastructure, addressing immediate needs.
2. **Boosting the Feeding Scheme:** With an existing feeding scheme, Dowerglen can benefit from Watermark's approach, enhancing food security through student-grown produce.
3. **Skill Development:** Watermark offers students hands-on training in farming and water management, preparing them for future opportunities.
4. **Community Engagement:** The initiative fosters community ownership and pride, essential for the school's long-term success.
5. **Promotion of Sustainability:** Adopting Watermark's sustainable practices can lead to lasting benefits for Dowerglen and its community.

In essence, a Watermark investment in Dowerglen High School promises immediate infrastructural improvements, long-term community development, and a brighter future for its students.



# EXECUTION

To ensure the successful implementation of the Watermark initiative at Dowerglen High School, a structured activities approach will be adopted. This structured methodology will ensure that each activity is executed efficiently, leading to the holistic development of the school and its community.

## 1. Garden Establishment:

- Objective: Create a sustainable and productive garden space within the school premises.
- Actions:
  - Identify and allocate a suitable plot within the school grounds.
  - Prepare the soil through tilling and adding necessary organic compost.
  - Design the garden layout, considering factors like sunlight, accessibility, and future expansion.

## 2. Irrigation Installation:

- Objective: Ensure consistent and efficient water supply to the garden.
- Actions:
  - Assess the garden's water needs based on the chosen crops.
  - Install a drip irrigation system to optimize water usage.
  - Train school staff and students on the operation and maintenance of the system.

## 3. Seeding and Planting:

- Objective: Initiate the growth of nutritious crops in the garden.
- Actions:
  - Select a variety of crops that are suitable for the local climate and soil.
  - Organize seeding and planting sessions involving students, promoting hands-on learning.
  - Implement a crop rotation plan to maintain soil fertility and prevent pest infestations.

## 4. Water Audit:

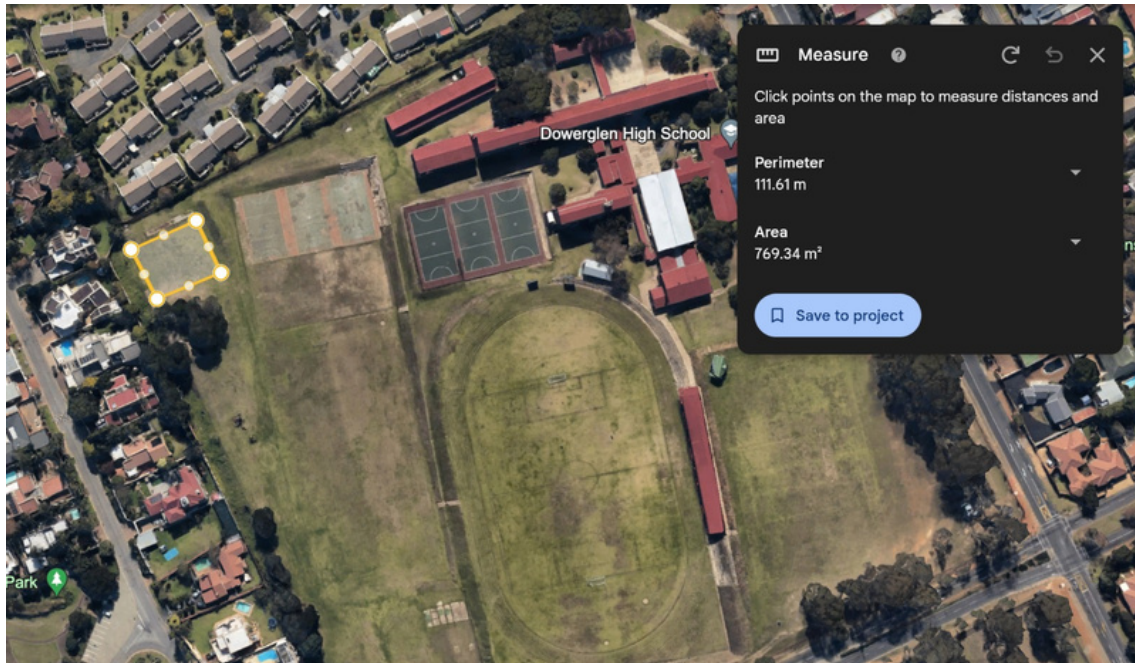
- Objective: Evaluate and optimize the school's overall water usage.
- Actions:
  - Conduct a comprehensive assessment of the school's current water consumption patterns.
  - Identify areas of wastage and recommend water-saving measures.
  - Educate students and staff on the importance of water conservation and sustainable practices.

## 5. Feeding Scheme Support:

- Objective: Enhance the school's existing feeding scheme with fresh produce from the garden.
- Actions:
  - Harvest crops regularly to supply fresh produce to the feeding scheme.
  - Incorporate garden produce into the school's meal plans, ensuring a balanced diet for students.
  - Engage the community by organizing workshops on nutrition and the benefits of locally-grown food.



# SITE LAYOUT





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